



AGENDA

**REGULAR MEETINGS
OF THE
SANTA FE SPRINGS
PUBLIC FINANCING AUTHORITY
WATER UTILITY AUTHORITY
HOUSING SUCCESSOR
SUCCESSOR AGENCY
AND CITY COUNCIL**

**June 22, 2017
6:00 P.M.**

Council Chambers
11710 Telegraph Road
Santa Fe Springs, CA 90670

William K. Rounds, Mayor
Jay Sarno, Mayor Pro Tem
Richard J. Moore, Councilmember
Juanita Trujillo, Councilmember
Joe Angel Zamora, Councilmember

Public Comment: The public is encouraged to address City Council on any matter listed on the agenda or on any other matter within its jurisdiction. If you wish to address the City Council, please complete the card that is provided at the rear entrance to the Council Chambers and hand the card to the City Clerk or a member of staff. City Council will hear public comment on items listed on the agenda during discussion of the matter and prior to a vote. City Council will hear public comment on matters not listed on the agenda during the Oral Communications period.

Pursuant to provisions of the Brown Act, no action may be taken on a matter unless it is listed on the agenda, or unless certain emergency or special circumstances exist. The City Council may direct staff to investigate and/or schedule certain matters for consideration at a future City Council meeting.

Americans with Disabilities Act: In compliance with the ADA, if you need special assistance to participate in a City meeting or other services offered by this City, please contact the City Clerk's Office. Notification of at least 48 hours prior to the meeting or time when services are needed will assist the City staff in assuring that reasonable arrangements can be made to provide accessibility to the meeting or service.

Please Note: Staff reports, and supplemental attachments, are available for inspection at the office of the City Clerk, City Hall, 11710 E. Telegraph Road during regular business hours 7:30 a.m. – 5:30 p.m., Monday – Thursday and every other Friday. Telephone (562) 868-0511.

1. CALL TO ORDER

2. ROLL CALL

Richard J. Moore, Councilmember
Juanita Trujillo, Councilmember
Joe Angel Zamora, Councilmember
Jay Sarno, Mayor Pro Tem
William K. Rounds, Mayor

PUBLIC FINANCING AUTHORITY

3. CONSENT AGENDA

Consent Agenda items are considered routine matters which may be enacted by one motion and vote. Any item may be removed from the Consent Agenda and considered separately by the Public Financing Authority.

Approval of Minutes

- a. Minutes of the May 25, 2017, Public Financing Authority Meeting

Recommendation: That the Public Financing Authority approve the minutes as submitted.

Monthly Reports

- b. Monthly Report on the Status of Debt Instruments Issued through the City of Santa Fe Springs Public Financing Authority (PFA)

Recommendation: That the Public Financing Authority receive and file the report.

WATER UTILITY AUTHORITY

4. CONSENT AGENDA

Consent Agenda items are considered routine matters which may be enacted by one motion and vote. Any item may be removed from the Consent Agenda and considered separately by the Water Utility Authority.

Approval of Minutes

- a. Minutes of the May 25, 2017, Water Utility Authority Meeting

Recommendation: That the Water Utility Authority:

- Approve the minutes as submitted.

Monthly Reports

- b. Monthly Report on the Status of Debt Instruments Issued through the Water Utility Authority (WUA)

Recommendation: That the Water Utility Authority:

- Receive and file the report.

- c. Status Update of Water-Related Capital Improvement Projects

Recommendation: That the Water Utility Authority:

- Receive and file the report.

- d. Destruction of Water Well No. 1 – Final Payment

Recommendation: That the Water Utility Authority:

- Approve the Final Payment to General Pump Company, San Dimas, California, in the amount of \$68,542.50 for the subject project.

e. Water Well No. 12 Ground Water Treatment System – Construction Management and Inspection Services – Authorization to Advertise Request for Proposals

Recommendation: That the Water Utility Authority:

- Authorize the City Engineer to advertise a Request for Proposals (RFP) to provide Construction Management and Inspection Services for Construction of Water Well No. 12 Ground Water Treatment System.

PUBLIC HEARING

5. Resolution No. 9546 - 2015 Urban Water Management Plan

Recommendation: That the City Council:

- Open the Public Hearing and hear from anyone wishing to speak on the matter and thereafter close Public Hearing;
- Adopt Resolution No. 9546 approving the 2015 Urban Water Management Plan; and
- Authorize the Executive Director to submit the 2015 UWMP to the California Department of Water Resources.

CITY COUNCIL

6. **CITY MANAGER REPORT**

7. **CONSENT AGENDA**

Consent Agenda items are considered routine matters which may be enacted by one motion and vote. Any item may be removed from the Consent Agenda and considered separately by the City Council.

Approval of Minutes

a. Minutes of the May 25, 2017 City Council Meetings

Recommendation: That the City Council:

- Approve the minutes as submitted.

NEW BUSINESS

8. Award of Contract - Provide Planning Services on an As-Needed Planning Basis

Recommendation: That the City Council:

- Award a contract to Sagecrest Planning + Environmental in the amount not to exceed \$350,000.00, to provide Planning Services on an as-needed basis.
- Authorize the Mayor or designee to execute the Agreement with Sagecrest Planning + Environmental to provide Planning Services on an as-needed basis.

9. Approval of Little Lake School District Food Contract for City of Santa Fe Springs Child Care Programs for FY 2017-2018

Recommendation: That the City Council:

- Approve the contract with the Little Lake City School District authorizing the City's Child Care & Preschool programs to purchase meal preparation and delivery

services beginning July 1, 2017 and ending June 30, 2018.

10. Approval of Contracts with State Department of Education for FY 2017-18
Recommendation: That the City Council:
- Approve Resolution No. 9550 authorizing the renewal of Contract CSPP-7168 with the State Department of Education for Fiscal Year 2017/2018 for the purpose of providing child care and development services for preschool age children.
11. Authorize the Purchase of an Air & Light Vehicle from Emergency Vehicle Group, Inc. (EVG), Related Vehicle Communication Equipment, and Vehicle Support Equipment
Recommendation: That the City Council:
- Authorize the Fire Chief to purchase an Air & Light Unit from Emergency Vehicle Group, Inc. (EVG) for an amount not to exceed \$549,363.68.
 - Authorize the Fire Chief to purchase the Air & Light Vehicle's Communication Equipment from Motorola Solutions for an amount not to exceed \$27,867.18.
 - Authorize the Fire Chief to purchase the Air & Light Vehicle's Mobile Data Computer (MDC) unit from Commline Inc. for an amount not to exceed \$4,770.23.
 - Authorize the Fire Chief to purchase additional vehicle support equipment to outfit the Air & Light Vehicle for an amount not to exceed \$17,000.00.
 - Authorize the Fire Chief to enter into a lease financing agreement with Government Capital for a 7 year term at an interest rate of 2.45% and annual payments in the amount of \$92,827.64 commencing at the time of lease origination.
12. Resolution 9551 and 9552 - Approval of Engineer's Report (FY 2017/18) in Conjunction with Annual Levy of Assessment-Heritage Springs Assessment District No. 2001-01 (Hawkins Street & Palm Drive)
Recommendation: That the City Council:
- Adopt Resolution 9551, approving the Engineer's Report (FY 2017/18) in conjunction with the annual levy of assessments for the Heritage Springs Assessment District No. 2001-01; and
 - Adopt Resolution No. 9552, declaring the City of Santa Fe Springs' intention to provide for an annual levy and collection of assessments for Heritage Springs Assessment District No. 2001-01, and setting the public hearing for the Council meeting of July 13, 2017.
13. Resolution 9553 and 9554 - Approval of Engineer's Report (FY 2017/2018) in Conjunction with Annual Levy of Assessments for Street Lighting District No. 1
Recommendation: That the City Council:
- Adopt Resolution No. 9553, approving the Engineer's Report (FY 2017/18) in conjunction with the annual levy of assessments for Street Lighting District No. 1; and
 - Adopt Resolution No. 9554, declaring the City of Santa Fe Springs' intention to provide for an annual levy and collection of assessments for Lighting District No. 1, and setting the public hearing for the Council meeting of July 13, 2017.

Items 14 – 22 will occur in the 7:00 p.m. hour.

- 14. INVOCATION**
- 15. PLEDGE OF ALLEGIANCE**
- 16. INTRODUCTIONS**
 - Representatives from the Chamber of Commerce
- 17. ANNOUNCEMENTS**
- 18. PRESENTATIONS**
 - a. Proclaiming the month of July 2017 as "Parks Make Life Better in Santa Fe Springs"
- 19. APPOINTMENTS TO BOARDS, COMMITTEES, COMMISSIONS**
 - a. Committee Re-Appointments
 - b. Committee Appointments
- 20. ORAL COMMUNICATIONS**

This is the time when comments may be made by interested persons on matters not on the agenda having to do with City business.
- 21. EXECUTIVE TEAM REPORTS**
- 22. ADJOURNMENT**

I hereby certify under penalty of perjury under the laws of the State of California, that the foregoing agenda was posted at the following locations; Santa Fe Springs City Hall, 11710 Telegraph Road; Santa Fe Springs City Library, 11700 Telegraph Road; and the Town Center Plaza (Kiosk), 11740 Telegraph Road, not less than 72 hours prior to the meeting.



Janet Martinez, CMC
City Clerk

June 15, 2017
Date

**FOR ITEM NO. 3A
PLEASE SEE ITEM NO. 7A**



City of Santa Fe Springs

Public Financing Authority Meeting

June 22, 2017

NEW BUSINESS

Monthly Report on the Status of Debt Instruments Issued through the City of Santa Fe Springs Public Financing Authority (PFA)

RECOMMENDATION

That the Public Financing Authority receive and file the report.

BACKGROUND

The Santa Fe Springs Public Financing Authority (PFA) is a City entity that has periodically issued debt for the benefit of the Santa Fe Springs community. The following is a brief status report on the debt instruments currently outstanding that were issued through the PFA.

Water Revenue Bonds, 2005 Series A

Financing proceeds available for appropriation at 5/31/17	None
Outstanding principal at 5/31/17	\$1,960,000

Consolidated Redevelopment Project 2006-A Tax Allocation Bonds

Financing proceeds available for appropriation at 5/31/17	None
Outstanding principal at 5/31/17	\$35,377,675

Consolidated Redevelopment Project 2007-A Tax Allocation Refunding Bonds

Financing proceeds available for appropriation at 5/31/17	None
Outstanding principal at 5/31/17	\$29,270,000

Bond Repayment

The City budget includes sufficient appropriations and adequate revenues are expected to be collected to meet the debt service obligations associated with the 2005 Water Revenue Bonds.

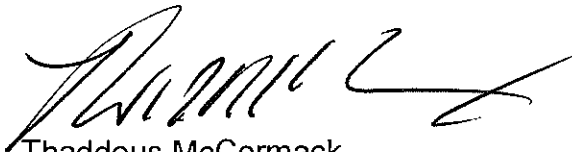
The former Community Development Commission (CDC) issued a number of tax allocation bonds before it was dissolved by State law effective February 1, 2012 which are administered by the City acting as Successor Agency under the oversight of the appointed Oversight Board. The Successor Agency no longer receives tax increment. Instead, distributions from the Redevelopment Property Tax Trust Fund (RPTTF) are received based on approved obligations. It is anticipated that sufficient allocations from the RPTTF will continue to be made to the Successor Agency to meet ongoing debt service obligations.

Unspent Bond Proceeds

Under an approved Bond Expenditure Agreement, unspent bond proceeds of the former CDC in the amount of approximately \$19 million were transferred to the City in July 2014. The funds are to be spent in accordance with the original bond documents. The unspent proceeds continue to be a source of funding within the City's capital improvement program (CIP).

2016 Bond Refunding

In July 2016 the Successor Agency issued its 2016 Tax Allocation Refunding Bonds, which paid off several bond issuances of the former CDC. The bonds were originally issued through the Public Financing Authority and included the 2001 Series A, 2002 Series A, 2003 Series A, the current interest portion of the 2006 Series A, and 2006 Series B bond issuances.

A handwritten signature in black ink, appearing to read 'Thaddeus McCormack', with a stylized flourish at the end.

Thaddeus McCormack
City Manager/Executive Director

**FOR ITEM NO. 4A
PLEASE SEE ITEM NO. 7A**



NEW BUSINESS

Monthly Report on the Status of Debt Instruments Issued through the City of Santa Fe Springs Water Utility Authority (WUA)

RECOMMENDATION

That the Water Utility Authority receive and file the report.

BACKGROUND

The Santa Fe Springs Water Utility Authority (WUA) is a City entity that has issued debt for the benefit of the Santa Fe Springs community. The following is a brief status report on the debt instruments currently outstanding that were issued through the WUA.

Water Revenue Bonds, 2013

Financing proceeds available for appropriation at 5/31/17

None

Outstanding principal at 5/31/17

\$6,890,000

In May 2013 the Water Utility Authority issued the 2013 Water Revenue Bonds in the amount of \$6,890,000. The bonds refunded the existing 2003 Water Revenue Bonds (issued through the Public Financing Authority) and provided additional funds for water improvement projects in the amount of \$2,134,339. The funds were restricted for use on water system improvements. In August 2013 the Water Utility Authority Board appropriated the proceeds for the Equipping Water Well No. 12 Project and all proceeds were since used on this project.

The City budget includes sufficient appropriations and adequate revenues are expected to be collected to meet the debt service obligations associated with the 2013 Water Revenue Bonds.

The WUA was formed in June of 2009. Water revenue bonds issued prior to this date were issued through the City of Santa Fe Springs Public Financing Authority.

A handwritten signature in black ink, appearing to read "Thaddeus McCormack".

Thaddeus McCormack
City Manager/Executive Director



City of Santa Fe Springs

Water Utility Authority Meeting

June 22, 2017

NEW BUSINESS

Status Update of Water-Related Capital Improvement Projects

RECOMMENDATION

That the Water Utility Authority receive and file the report.

BACKGROUND

This report is for informational purposes only. The following is a listing of current active water projects.

Water Well No. 12 Engineering Design Services for Water Treatment System

At the July 28, 2016 City Council meeting, the Water Utility Authority Board directed staff to award a contract to Civiltec Engineering Inc. (Civiltec) to provide water treatment design services for Water Well No. 12. The project is out to bid with the bid opening date set for June 27, 2017. A mandatory pre-bid meeting was held at the well site on June 1, 2017, which had a total of 13 plan holders and 24 contractors in attendance.

FISCAL IMPACT

The Water Well No. 12 Engineering Design Services for Water Treatment System is funded by Water Capital Improvement Plan Funds.

A handwritten signature in blue ink, appearing to read "Thaddeus McCormack".

Thaddeus McCormack
Executive Director

Attachments:

None



City of Santa Fe Springs

Water Utility Authority Meeting

June 22, 2017

NEW BUSINESS

Destruction of Water Well No. 1 – Final Payment

RECOMMENDATION

That the Water Utility Authority approve the Final Payment to General Pump Company, San Dimas California, in the amount of \$68,542.50 for the subject project.

BACKGROUND

At the meeting of October 27, 2016 the Water Utility Authority (WUA) awarded a contract to General Pump Company in the amount of \$98,250.00 for the Destruction of Water Well No. 1.

Water Well No. 1 is now properly destroyed per the State of California Department of Water Resources (DWR) water well destruction requirements. A DWR well destruction closure permit will be issued to the City in the near future.

The following payment detail represents the Final Progress Payment due per terms of the contract for the work which has been completed and found to be satisfactory.

FISCAL IMPACT

The funding for the Destruction of Water Well No. 1 is budgeted and available from the Water CIP Fund. No additional funding is required to complete this project.

INFRASTRUCTURE IMPACT

The destruction of Water Well No. 1 will bring the City into compliance with State requirements and also protect the health and welfare of the community.


Thaddeus McCormack
Executive Director

Attachment:

Final Payment Detail

Report Submitted By:

Noe Negrete, Director
Department of Public Works

Date of Report: June 13, 2017

4D

Payment Detail
DESTRUCTION OF WATER WELL NO. 1

Contractor: General Pump Company
159 N. Acacia Street
San Dimas, CA 91773

Final Payment \$ **68,542.50**

Item No.	Description	Contract			Completed This Period		Completed To Date		
		Quantity	Units	Unit Price	Total	Quantity	Amount	Quantity	Amount
Contract Work									
1.	Mobilization/Demobilization, including permit fees.	1	L.S.	\$ 18,000.00	\$ 18,000.00	40%	\$ 7,200.00	100%	\$ 18,000.00
2.	Remove all obstruction from well casing.	1	L.S.	\$ 2,000.00	\$ 2,000.00	0%	\$ -	100%	\$ 2,000.00
3.	Remove any oil from water surface.	1	L.S.	\$ 1,000.00	\$ 1,000.00	0%	\$ -	100%	\$ 1,000.00
4.	Perform dual-cam down-hole video survey of the well.	1	L.S.	\$ 1,200.00	\$ 1,200.00	0%	\$ -	100%	\$ 1,200.00
5.	Measure total depth and casing diameter to determine amount of sealing material required.	1	L.S.	\$ 100.00	\$ 100.00	0%	\$ -	100%	\$ 100.00
6.	Rip the entire length of casing liner installed within original well casing.	1	L.S.	\$ 19,600.00	\$ 19,600.00	100%	\$ 19,600.00	100%	\$ 19,600.00
7.	Destroy and dispose of existing pump pedestal.	1	L.S.	\$ 8,200.00	\$ 8,200.00	100%	\$ 8,200.00	100%	\$ 8,200.00
8.	Excavate casing a minimum of 6 feet below existing or proposed grade, whichever is lower.	1	L.S.	\$ 700.00	\$ 700.00	100%	\$ 700.00	100%	\$ 700.00
9.	Cut and swage (flare) the casing at five (5) feet depth.	1	L.S.	\$ 1,050.00	\$ 1,050.00	100%	\$ 1,050.00	100%	\$ 1,050.00
10.	Pump a neat cement seal, using tremie pipe, from the bottom of the well to five (5) feet bgs.	1	L.S.	\$ 28,000.00	\$ 28,000.00	100%	\$ 28,000.00	100%	\$ 28,000.00
11.	Pressurize the well to force cement through the ripped liner.	1	L.S.	\$ 2,400.00	\$ 2,400.00	100%	\$ 2,400.00	100%	\$ 2,400.00
12.	Fill a portion of the excavation with cement to allow a "mushroom cap" to form.	1	L.S.	\$ 1,400.00	\$ 1,400.00	100%	\$ 1,400.00	100%	\$ 1,400.00
13.	Fill the excavation to grade with compacted fill.	1	L.S.	\$ 1,100.00	\$ 1,100.00	100%	\$ 1,100.00	100%	\$ 1,100.00



City of Santa Fe Springs

Water Utility Authority

June 22, 2017

NEW BUSINESS

Water Well No. 12 Ground Water Treatment System - Construction Management and Inspection Services - Authorization to Advertise Request for Proposals

RECOMMENDATION

That the Water Utility Authority (WUA) authorize the City Engineer to advertise a Request for Proposals (RFP) to provide Construction Management and Inspection Services for Construction of Water Well No. 12 Ground Water Treatment System.

BACKGROUND

The City Council, at their May 11, 2017 meeting, authorized advertising for bids to construct a Ground Water Treatment System for Water Well No. 12. Bids are due June 27, 2017. A recommendation to the City Council to award a contract is scheduled for July 27, 2017. Construction of the ground water treatment system is currently scheduled to begin in late August 2017. The estimated project completion date is spring 2018.

Staff is recommending that the City Council authorize advertising a RFP to provide construction management and inspection services for construction of the ground water treatment system for Water Well No. 12. Construction of ground water treatment systems are a highly specialized field within the water supply industry. It is critical to have a knowledgeable and experienced individual (firm) representing the interests of the City.

Staff recommends that the City Council authorize the City Engineer to solicit proposals to provide construction management and inspection services from the six (6) on-call engineering firms, and the firm that inspected Water Well No. 12.

FISCAL IMPACT

Funding for Construction Management and Inspection Services for the Ground Water Treatment System for Water Well No. 12 is available from the Water Capital Improvement Plan (CIP) Fund. Staff will request an appropriation for these services when the award of contract is brought to the Council.

INFRASTRUCTURE IMPACT


Water Well No. 12 will provide a high capacity source of water supply for the City's residents and businesses. The new source of water will improve system reliability and efficiency throughout the City's distribution network. Further, it will reduce the City's cost of purchasing water from outside sources which continue to increase their water rates and charges.

A handwritten signature in black ink, appearing to read "Thaddeus McCormack".

Thaddeus McCormack
Executive Director

Attachment:
Request for Proposals

Report Submitted By: Noe Negrete, Director
Department of Public Works

 Date of Report: June 14, 2017

4E

CITY OF SANTA FE SPRINGS

REQUEST FOR PROPOSALS

WATER WELL NO. 12 GROUND WATER TREATMENT SYSTEM - CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES



DEPARTMENT OF PUBLIC WORKS

INQUIRIES REGARDING THIS PROJECT MAY BE DIRECTED TO:

**Frank Beach, Project Manager
City of Santa Fe Springs
11710 Telegraph Road
Santa Fe Springs, CA 90670
Phone: (562) 868-0511, Extension 7568**

REQUEST FOR PROPOSALS

WATER WELL NO. 12 GROUND WATER TREATMENT SYSTEM - CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES

The City of Santa Fe Springs Water Utility Authority (AGENCY) is seeking qualified professional firms and individuals experienced with managing and inspecting the construction of municipal ground water treatment projects, including but not limited to civil, chemical, electrical, geotechnical, hydraulic, instrumentation, mechanical, structural, architectural engineering and design components.

This work is being performed in connection with the installation of a ground water treatment system at Water Well No. 12. The ground water treatment system will address high levels of Iron, Hydrogen Sulfide, brownish water color, and odors.

The AGENCY invites proposals for the above-stated services and will receive such proposals in the **Director of Public Works Office, City of Santa Fe Springs, 11710 Telegraph Road, Santa Fe Springs, California 90670, until 3:00 p.m. on Tuesday, July 18, 2017.** Interested proposers must submit six (6) copies of their proposal labeled **“WATER WELL NO. 12 GROUND WATER TREATMENT SYSTEM - CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES”** to:

Noe Negrete
Director of Public Works
City of Santa Fe Springs
11710 Telegraph Road
Santa Fe Springs, CA 90670

Proposals received after the time and date specified above will not be accepted and will be returned to the proposer unopened. No pre-submittal meeting has been scheduled for this project.

The AGENCY reserves the right to reject any or all proposals, to waive any irregularity in any proposal received, and to be the sole judge of the merits of the respective proposals received and to take all proposals under advisement for a period of 45 days. The award, if made, will be made to the Consultant whose proposal best meets the technical requirements of the RFP as determined by the AGENCY. The proposal submitted by the selected Consultant shall be incorporated as part of the final contract accordingly.

All questions regarding this project must be directed to Frank Beach, Project Manager at (562) 868-0511, ext. 7568.

INSTRUCTIONS TO PROPOSERS

WATER WELL NO. 12 GROUND WATER TREATMENT SYSTEM - CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES

1. PROPOSED SCHEDULE

DESCRIPTION	DATE/TIME
Request for Proposals Released	June 26, 2017
Deadline to Submit Questions	July 5, 2017 at 4:00 pm
Deadline to Receive Proposals	July 18, 2017 at 3:00 pm
Contract Award	August 10, 2017
Notice to Proceed	August 23, 2017

The AGENCY reserves the right to modify any element of the timeline should that become necessary.

2. PRE-SUBMITTAL MEETING

A Pre-Submittal Meeting has not been scheduled for this project.

3. SUBMISSION OF PROPOSALS

To be considered, the Proposals must be received by the **Director of Public Works Office, City of Santa Fe Springs, 11710 Telegraph Road, Santa Fe Springs, California 90670, by 3:00 p.m. on July 18, 2017.**

Consultants must submit six (6) copies of their Proposal labeled: **"WATER WELL NO. 12 GROUND WATER TREATMENT SYSTEM - CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES"** to:

Noe Negrete, Director of Public Works
City of Santa Fe Springs
11710 Telegraph Road
Santa Fe Springs, CA 90670-3658

Proposals, and amendments to proposals, received after the date and time specified above will not be accepted and will be returned to the Consultant unopened.

4. DISSEMINATION OF RFP INFORMATION

From time to time, the AGENCY may issue responses to requests for clarifications, questions, comments, and addenda to this Request for Proposals ("RFP"), or other material related to this solicitation. **By submitting a proposal, Consultants are deemed to have constructive knowledge and notice of all information pertaining to this RFP.**

5. **ADDENDA TO THE RFP**

Any change(s) to the requirements of this RFP initiated by the AGENCY will be made by written addenda to this RFP. Any written addenda issued pertaining to this RFP shall be incorporated into and made a part of the terms and conditions of any resulting agreement. The AGENCY will not be bound to any modifications to or deviations from the requirements set forth in this RFP unless they have been documented by addenda to this RFP. Consultants will be required to document that they are aware of all addenda issued, if any, by the AGENCY in their proposal.

6. **QUESTIONS AND REQUESTS FOR CLARIFICATIONS**

A. **Contact Person for the Project**

All questions or contacts regarding this RFP must be directed to Mr. Frank Beach, Project Manager, and may be reached at (562) 868-0511, extension 7568 or by email at FrankBeach@SantaFeSprings.org.

B. **Clarifications of the RFP**

Consultants are encouraged to promptly notify Mr. Beach of any apparent errors or inconsistencies in the RFP. If a Consultant requires clarifications to this RFP, the Consultant shall notify the AGENCY in writing in accordance with Subsection "A" above. Should it be found that the point in question is not clearly and fully set forth in the RFP, a written addendum clarifying the matter will be issued.

C. **Submitting Requests**

All questions must be submitted to the AGENCY by 4:00 p.m. on Wednesday, July 5, 2017. The AGENCY is not responsible for failure to respond to a request or question that has not been labeled correctly. Questions can be submitted via U.S. Mail, Personal Courier, Fax or Email as long as they are received no later than the date and time specified above. The AGENCY is not liable for any late arrivals due to courier method or electronic delivery.

Requests for clarifications, questions and comments received after 4:00 p.m. on Wednesday, July 5, 2017 will not be responded to.

D. **Agency Responses**

The AGENCY, in its sole discretion, will respond to requests for clarifications, questions and comments. Responses will be emailed to proposers on or before 5:00 p.m. on Wednesday, July 7, 2017.

7. **COST OF PROPOSAL PREPARATION**

Any party responding to this RFP shall do so at their own risk and cost. The AGENCY shall not, under any circumstances, be liable for any pre-contractual expenses incurred by any Consultant who elects to submit a proposal in response to this RFP or by any

Consultant that is selected. Pre-contractual expenses are defined as expenses incurred by Consultants and the selected Consultant, if any, in:

- Preparing a Proposal and related information in response to this RFP;
- Submitting a Proposal to the AGENCY;
- Negotiations with the AGENCY on any matter related to this RFP;
- Costs associated with interviews, meetings, travel or presentations; or
- Any and all other expenses incurred by a Consultant prior to the date of award, if any, of an agreement, and formal notice to proceed.

The AGENCY will provide only the staff assistance and documentation specifically referred to herein and will not be responsible for any other cost or obligation of any kind, which may be incurred by the Consultant.

8. CONFLICT OF INTEREST

By responding to this RFP, each Consultant represents to the best of its knowledge that:

- Neither Consultant, nor any of its affiliates, proposed sub-consultants, and associated staff, have communicated with any member of the AGENCY since the release of this RFP on any matter related to this RFP except to the extent specified in this RFP;
- Neither Consultant, nor any of its affiliates, proposed sub-consultants and associated staff, has obtained or used any information regarding this RFP and the proposed services that has not been generally available to all Consultants, and
- No conflict of interest exists under any applicable statute or regulation or as a result of any past or current contractual relationship with the AGENCY;
- Neither Consultant, nor any of its affiliates, proposed sub-consultants, or associated staff, have any financial interest in any property that will be affected by any of the referenced projects.
- Neither Consultant, nor any of its affiliates, proposed sub-consultants, or associated staff, have a personal relationship with any member of the governing body, officer or employee of the AGENCY who exercises any functions or responsibilities in connection with the referenced projects.

9. KEY PERSONNEL

It is imperative that key personnel proposed to provide services have the background, experience and qualifications to properly undertake all necessary services for the successful completion of the referenced project. The Consultant must identify all proposed key personnel in its Proposal. Key personnel must be well qualified and have sufficient experience in the areas described in the Scope of Services.

The AGENCY reserves the right to approve all key personnel individually for any and all projects authorized by the AGENCY as a result of this solicitation. After an agreement has

been executed, the selected consultant may not replace any key staff without written approval from the AGENCY. The AGENCY must approve replacement staff before a substitute person is assigned to a project. The AGENCY reserves the right to require the Consultant to replace a staff person assigned to the contract should the AGENCY consider replacement to be for the good of the project. Replacement staff will be subject to the AGENCY's approval prior to assignment by Consultant.

10. BASIS FOR AWARD OF CONTRACT

The AGENCY intends to select the Consultant on the basis of demonstrated competence and professional qualifications in accordance with applicable State and Federal regulations. To that end, the contract is to be awarded to the Consultant whose proposal best meets the technical requirements of the RFP as determined by the AGENCY. Should an award be made, the proposal submitted by Consultant shall be incorporated as part of the final contract accordingly.

11. TERM OF AGREEMENT

It is the AGENCY's intent to enter into a "not to exceed" Professional Services Agreement with the selected Consultant.

The AGENCY will compensate the Consultant for actual hours worked by assigned personnel on a monthly basis. Compensation will be based on the fee schedule in the proposal. The consultant will provide an invoice clearly documenting the services performed each day and the number of hours worked.

12. REQUIRED FORMAT FOR PROPOSALS

The AGENCY is requiring all proposals submitted in response to this RFP to follow a specific format. The Proposal, including the Appendices, shall not exceed thirty (30) pages in length, utilizing 8.5" x 11" pages with one-inch margins. As an exception, 11" x 17" pages may be used to display organizational charts. Font size shall not be smaller than 12 point for text or eight (8) point for graphics. Dividers used to separate sections will not be counted. Creative use of dividers to portray team qualifications, etc. is discouraged.

Consultants are required to prepare their written proposals in accordance with the instructions outlined below. Deviations from these instructions may be construed as non-responsive and may be cause for disqualification. Emphasis should be placed on accuracy, completeness, and clarity of content.

The written proposal should be organized as described below. Each section of the written proposal should contain the title of that section, with the response following the title. The following are the required titles with a brief statement as to that section's desired content:

A. Letter of Offer

The Letter of Offer shall be addressed to Noe Negrete, Director of Public Works, City of Santa Fe Springs, and at a minimum, must contain the following:

- Identification of Consulting firm or individual, including name, address and telephone number.
- Name, title, address, and telephone number of Contact Person.
- Federal Tax ID or Social Security No. for firm or individual.
- A statement to the effect that the Proposal shall remain valid for a period of not less than 90 calendar days from the date of submittal.
- Identification of all proposed sub-consultants or subcontractors, including legal name of the company, address and contact person.
- Acknowledgement that Consultant is obligated by all addenda to this RFP.
- Signature of a person authorized to bind Consulting firm to the terms of the Proposal.
- Signed statement attesting that all information submitted with the Proposal is true and correct.

B. Qualifications of the Firm

This section of the Proposal shall explain the ability of the Consultant to satisfactorily perform the required work. More specifically, in this section, the Consultant shall:

- Provide a profile of the Consultant including the types of services offered; the year founded; form of organization (corporate, partnership, sole proprietorship); number, size and location of offices; number of employees.
- Provide a detailed description of Consultant's financial condition, including any conditions (e.g., bankruptcy, pending litigation, outstanding claims in excess of twenty-five thousand dollars (\$25,000) for or against the firm; planned office closures or mergers that may impede Consultant's ability to provide Engineering and Design Services for a Water Treatment System for Water Well No. 12.
- Provide a list of previous projects in which the Consultant and sub-consultants have worked together. The list should clearly identify the previous projects and include a summary of the roles and responsibilities of each party.
- Provide information on the strength and stability of the Consultant; current staffing capability and availability; current work load; and proven record of meeting schedules on similar types of projects.

C. Proposed Staffing and Project Organization

This section of the Proposal should establish the method that will be used by the Consultant to provide Construction Management and Inspection Services for a

Ground Water Treatment System for Water Well No. 12. In addition, this section should also identify key personnel to be assigned and their qualifications and experience.

The Proposal should include the following information:

- The education, experience and applicable professional credentials of project staff. Include applicable professional credentials of "key" staff.
- Brief resumes, not more than two (2) pages each, for the individuals proposed as key personnel. Key personnel must have extensive knowledge and experience with engineering and design of water treatment systems.
- A statement that key personnel will be available to the extent proposed for the duration of the contract and an acknowledgement that no person designated as key personnel shall be removed or replaced without the prior written concurrence of the AGENCY. Identify any constraints, conflicts or situations.

D. Consultants and/or Sub-consultants

The AGENCY desires to enter into a contract with one Consultant that will be responsible for all work, products, and services. There is to be no assignment of any aspect of this project without the prior written authorization of the AGENCY. If the Consultant plans on using consultants and/or subcontractors as part of its implementation plan, then company profile, name, address, and telephone for all consultants and/or subcontractors providing support during the term of this project is required. Define the responsibilities and give a description of services to be provided by consultants and/or subcontractors. Describe the Firm's business and reporting relationship with any consultants and/or subcontractors. Include references and resumes for all third party Firms in your proposal. The AGENCY has the right to accept or reject any changes made to the proposed project team members, including the use of consultants and/or subcontractors.

E. Work Approach

This section of the Proposal shall include a narrative that addresses the Scope of Services and demonstrates that Consultant understands the scope of this project. More specifically, the Proposal should include the Consultant's general approach for completing the activities specified in the Scope of Services. The work approach shall be of sufficient detail to demonstrate Consultant's ability to accomplish the project tasks.

F. Client References

List your three (3) most recent similar clients (including name, address, contact person, and phone number). The AGENCY is most interested in government and California clients and may randomly select agencies to contact from your list as part of the evaluation process.

G. Appendices

This part shall include brief resumes of proposed staff. Consultant information and general marketing materials will not be considered in the ranking of the Proposals.

H. Rights to Materials

All responses, inquiries, and correspondence relating to this RFP and all reports, charts, displays, schedules, exhibits, and other documentation produced by the Consultant that are submitted as part of the proposal and not withdrawn shall, upon receipt by AGENCY, become property of AGENCY.

I. Schedule of Performance

The Schedule of Performance shall depict individual project tasks, and basic hourly rates for specific personnel to be used on the project. Personnel hourly rates will reflect all costs for office overhead, including direct and indirect costs. The Proposal shall include a breakdown of the estimated number of hours, by personnel category, needed to complete each task. In addition, the fee shall reflect all anticipated fee increases during the Contract duration.

J. Fee Proposal.

A Fee Proposal and Schedule of Performance shall be provided in a separately sealed envelope and shall comply with the following guidelines:

Two copies of a Fee Proposal and Schedule of Performance shall be submitted in a separately sealed envelope plainly labeled "Fee Proposal" with the name of the Consultant and project title "Construction Management and Inspection Services, Ground Water Treatment System - Water Well No. 12". This information shall be presented in a manner that allows the AGENCY to understand the Fee and Schedule for each task and deliverable. The terms and conditions for obtaining 'reimbursable costs' shall be identified in the Proposal.

13. PROPOSAL EVALUATION PROCESS AND CRITERIA

A. GENERAL

All proposals will be evaluated based on the technical information and qualifications presented in the proposal, reference checks, and other information, which may be gathered independently. Requests for clarification and/or additional information from any proposer may be requested at any point in the evaluation process. Pricing (Consultant fees) will be an important criterion; however, the AGENCY reserves the right to select a firm that presents the best qualifications, but not necessarily the lowest price.

B. EVALUATION CRITERIA

- Completeness of proposal.
- Consultant and key project team member's experience in performing similar work.
- Consultant and key project team member's record in accomplishing work assignments for projects.

- Consultant's demonstrated understanding of the scope of work.
- Quality of work previously performed by the firm as verified by reference checks.
- Relevant project experience.
- Fee proposal.

C. EVALUATION PROCESS

After evaluating all proposals received, the AGENCY will rank the firms and a maximum the three (3) most qualified firms will be invited to an interview with the AGENCY Evaluation Committee, if deemed necessary by the AGENCY.

D. INTERVIEW (If Necessary)

For the interview, the Consultant should have available the project manager and key project personnel to discuss the following:

- Major elements of the proposal
- Proposed project team
- Description of related experience for key project personnel
- Proposed project schedule

E. FINAL SELECTION

The final selection will be the consultant which, as determined by the AGENCY, is the most responsive and responsible, meets the AGENCY's requirements in providing this service, and is in the AGENCY's best interest. The AGENCY maintains the sole and exclusive right to evaluate the merits of the proposals received.

14. EXCEPTIONS OR ADDITIONS

The Proposal shall include a detailed description of all of the exceptions to the provisions and conditions of this RFP upon which the Consultant's submittal is contingent and which shall take precedence over this RFP.

15. INSURANCE REQUIREMENTS

Prior to the start of contract negotiations, the highest qualified Consultant will be required to submit to the AGENCY the required insurance certificates for the Consultant and its team. Insurance certificates will also be required, in advance, for any Consultant subsequently identified for negotiations with the AGENCY.

The successful Consultant shall indemnify and hold AGENCY and its officers, agents, employees, and assigns harmless from any liability imposed for injury whether arising before or after completion of work hereunder or in any manner directly or indirectly caused, occasioned, or contributed to, or claims to be caused, occasioned, or contributed to, in whole or in part, by reason of any act or omission, including strict liability or negligence of Consultant, or of anyone acting under Consultant's direction or control or on its behalf, in connection with, or incident to, or arising out of the performance of this contract.

The Consultant selected will be required to maintain the following levels of insurance coverage for the duration of the services provided, as well as any sub-consultants hired by the Consultant:

- Worker's Compensation insurance with statutory limits, and employer's liability insurance with limits not less than \$1,000,000 per accident
- Commercial general liability insurance or equivalent form, with a combined single limit of not less than \$2,000,000 per occurrence
- Business automobile liability insurance, or equivalent form, with a combined single limit of not less than \$1,000,000 per occurrence. Such insurance shall include coverage for owned, hired and non-owned automobiles.
- Professional liability (errors and omissions) insurance, with a combined single limit of not less than \$1,000,000 per occurrence.

16. RIGHTS OF THE AGENCY

The AGENCY reserves the right, in its sole discretion and without prior notice, to terminate this RFP; to issue subsequent RFPs; to procure any project-related service by other means; to modify the scope of the Project; to modify the AGENCY's obligations or selection criteria; or take other actions needed to meet the AGENCY's goals. In addition, the AGENCY reserves the following rights:

- The right to accept or reject any and all proposals, or any item or part thereof, or to waive any informalities or irregularities in any proposal.
- The right to amend, withdraw or cancel this RFP at any time without prior notice.
- The right to postpone proposal openings for its own convenience.
- The right to request or obtain additional information about any and all proposals.
- The right to conduct a back-ground checks of any Consultant. This may include, but is not limited to, contacting individuals and organizations regarding capabilities and experience of the potential candidate.
- The right to waive minor discrepancies, informalities and/or irregularities in the RFP or in the requirements for submission of a Proposal.
- The right to modify the response requirements for this RFP. This may include a requirement to submit additional information; an extension of the due date for submittals; and modification of any part of this RFP, including timing of RFP decisions and the schedule for presentations.
- The right to disqualify any potential candidate on the basis of real or perceived conflict of interest that is disclosed or revealed by information available to the AGENCY.

- The right at any time, subject only to restrictions imposed by a written contractual agreement, to terminate negotiations with any potential candidate and to negotiate with other potential candidates who are deemed qualified.
- Although cost is an important factor in deciding which proposal will be selected, it is only one of the criteria used to evaluate consultants. The AGENCY reserves the absolute right, in its sole discretion, to award a contract, if any, which under all the circumstances will best serve the public interest.
- The AGENCY reserves the right to reject any or all proposals or to make no award at all, to determine whether any alternate proposals are equal to the specifications and general requirements, and to accept proposals with minor variations from the Request for Proposals and/or conditions. The AGENCY reserves the right to negotiate for a higher level, lower level or additional services.

This RFP is not a contract or commitment of any kind by the AGENCY. This RFP does not commit the AGENCY to enter into negotiations with any consultant and the AGENCY makes no representations that any contract will be awarded to any consultant that responds to this RFP. Proposals received by the AGENCY are public information and will be made available to any person upon request after the AGENCY has completed the proposal evaluation. Submitted proposals are not to be copyrighted.

Should a contract be subsequently entered into between the AGENCY and Consultant, it shall be duly noted that entering into such an agreement shall be interpreted, construed, and given effect in all respects according to the laws of the State of California.

Waiver of Proposals

Proposals may be withdrawn by submitting written notice to the AGENCY's Contact Person at any time prior to the submittal deadline. Upon submission, the Proposal and all collateral material shall become the property of the AGENCY.

17. CALIFORNIA PUBLIC RECORDS ACT DISCLOSURES

The Consultant acknowledges that all information submitted in response to this RFP is subject to public inspection under the California Public Records Act unless exempted by law. If the Consultant believes any information submitted should be protected from such disclosure due to its confidential, proprietary nature or other reasons, it must identify such information and the basis for the belief in its disclosure. **Any proposal submitted with a blanket statement or limitation that would prohibit or limit such public inspection shall be considered non-responsive and shall be rejected.** Notwithstanding that disclaimer, it is the intention of the AGENCY to keep all submittals confidential until such time as negotiations are successfully concluded.

SCOPE OF SERVICES

WATER WELL NO. 12 GROUND WATER TREATMENT SYSTEM - CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES

Pre-Construction Meeting

The AGENCY's Project Manager will coordinate, schedule and run the pre-construction Meeting. The Construction Inspector will attend the pre-construction meeting. The purpose of the meeting is to introduce project participants, review project procedures, and address any comments or concerns regarding the proposed work.

Construction Meetings

The Construction Inspector will coordinate regularly scheduled construction meetings with the Contractor. The construction meetings are intended to review construction progress and address project issues. In general, construction meetings will address the following:

- Work completed the previous 2 weeks
- Schedule of work to be completed in the next 2 weeks
- Schedule review
- Future items requiring coordination
- Submittal status
- RFI status
- Progress payments
- Materials and equipment delivered
- Safety/Site maintenance

The meetings will be held at the construction site. It is assumed that construction meetings will be held every two weeks throughout the entire project duration.

Project Schedule Review

The Construction Inspector will review the project schedule on a monthly basis. The Construction Inspector will identify and correct errors in the schedule and anticipate upcoming construction issues. Issues which may impact the local community will be identified and communicated to the AGENCY's Project Manager.

Monthly Meetings with the AGENCY

The Construction Inspector will meet with the AGENCY's Project Manager on a monthly basis to review construction progress, construction schedule, future work, and resolve outstanding issues.

Review Progress Payments

The Construction Inspector will review Contractor invoices for progress payments and forward recommendations to the AGENCY's Project Manager for review and approval.

Response to Requests for Information

All requests for information (RFI) will be forwarded to the AGENCY's Project Manager. Response to issues pertaining solely to construction activities will generally be addressed by the Construction Inspector in consultation with the AGENCY. Issues pertaining to project design will be forwarded to the Project's Design Engineer for review and response.

Change Orders

Potential change orders will be brought to the immediate attention of the AGENCY by the Construction Inspector. Change order proposals will be received by the Construction Inspector, and will be reviewed for merit and reasonableness of cost. If determined to be appropriate, the change order will be forwarded to the AGENCY for review and comment. Change orders approved by the AGENCY will be processed by the AGENCY's Project Manager, with the appropriate direction provided to the Contractor. The Construction Inspector will not authorize work by the Contractor without prior written approval by the AGENCY.

Shop Drawing Review

All shop drawing submittals will be reviewed by the Design Engineer and the AGENCY's Project Manager for completeness and conformity with the contract requirements for shop drawing submittals.

Daily Inspection Reports

The Construction Inspector will maintain daily inspection reports of the construction activities. The reports will summarize: Contractor manpower and equipment on site; weather conditions; details of completed work witnessed while on site; directives given to the Contractor; and all construction issues which may have been identified.

Photos and Details

A photo log, with captions, will be prepared and submitted to the AGENCY's Project Manager on a monthly basis and at the completion of the project. Electronic files of the photos will also be furnished to the AGENCY.

CONSTRUCTION INSPECTION SERVICES

Construction Inspection Services

The Construction Inspector will provide inspection services to ensure conformance of the constructed work with the contract documents and specifications, and to verify that the quality of work is equal to or better than industry standards. Inspection duties include, but are not limited to:

- Monitor conformance with the Contract documents, plans and specifications
- Schedule compaction and material testing as required

- Schedule special inspections as required
- Prepare a Punch List and manage Contractor compliance to completion
- Review Contractor As-Built Drawings and provide comments to Project Engineer and AGENCY's Project Manager

Materials Testing

Compaction testing services will be provided by the AGENCY. Compaction testing will be ordered by the Construction Inspector to verify that trench backfill, structure subgrade, pavement subgrade, and pavement installation, meet the requirements of the Contract Documents.

Start-Up Testing

Prior to commencing start-up, the Construction Inspector will conduct an inspection of the facility and verify that all required work has been completed, calibrated, and pre-tested by the Contractor before conducting start-up testing of the facility.

Procedures for conducting start-up testing will be prepared by the Construction Inspector, with input from the AGENCY, Design Engineer, and Contractor. The Construction Inspector will also ensure that the Contractor has the required equipment and manufacturer support staff present during testing. The results of the start-up testing will be summarized in the final report and furnished to the AGENCY.

Prepare Project Close-Out Documents - Final Report

The Construction Inspector will prepare project close-out documents and a final report that includes all necessary documentation pertaining the project, including but not limited to:

- Daily inspection reports, photos
- RFIs and responses
- A record of all Change Orders
- Minutes for all Construction Meetings
- A record of all compaction and materials testing
- A report of compliance with Punch List items
- A record of any special testing
- A report summarizing the results of the start-up testing



City of Santa Fe Springs

Water Utility Authority Meeting

June 22, 107

PUBLIC HEARING

Resolution No. 9546 – Adopting the 2015 Urban Water Management Plan

RECOMMENDATION

That the Water Utility Authority take the following actions:

- Open the Public Hearing and hear from anyone wishing to speak on the matter and thereafter close Public Hearing;
- Adopt Resolution No. 9546 approving the 2015 Urban Water Management Plan; and
- Authorize the Executive Director to submit the 2015 UWMP to the California Department of Water Resources.

BACKGROUND

Water Code Sections 10610 through 10656 of the Urban Water Management Planning Act (Act) require every urban water supplier providing water for municipal purposes to more than 3,000 customers or supplying more than 3,000 acre-feet (AF) of water annually to prepare, adopt, and file an Urban Water Management Plan (UWMP) with the California Department of Water Resources (DWR) every five years in the years ending in zero and five. This 2015 UWMP satisfies the 2015 UWMP update to the DWR. The DWR set a submission date of July 1, 2016 for the 2015 UWMP but the guidelines for completing the plan were not released until March of 2016. The delay of producing the urban water management guidelines created difficulties to adhere to the July 1, 2016 date. There is no impact to the City of Santa Fe Springs Water Utility Authority (WUA) for not completing the plan by the deadline set by the DWR. However, the DWR has the ability on a case by case basis to disallow grant funding to be received by agencies that have not submitted a completed UWMP, currently the WUA is not up for any grant funded projects.

This UWMP provides DWR with a detailed summary of the present and future water resources and demands within the WUA service area and assesses its water resource needs. Specifically, the UWMP provides water supply planning for a 25-year planning period in five-year increments and identifies water supplies needed to meet existing and future demands. The City's 2015 UWMP updates the 2010 UWMP in compliance with the requirements of the Act as amended in 2009, and includes a discussion of:

- Water Service Area and Facilities
- Water Sources and Supplies
- Water Use by Customer Type
- Demand Management Measures
- Water Supply Reliability
- Planned Water Supply Projects and Programs
- Water Shortage Contingency Plan
- Recycled Water Use

Report Submitted By:

Noe Negrete, Director
Department of Public Works

Date of Report: June 15, 2017

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Since the original Act's passage in 1983, several amendments have been added. One of the most recent changes affecting the 2015 UWMP includes Senate Bill 7 as part of the Seventh Extraordinary Session (SBx7-7) and SB 1087. SBx7-7, or the Water Conservation Act of 2009, which is part of the Delta Action Plan that stemmed from the Governor's goal to achieve a 20 percent statewide reduction in urban per capita water use by 2020 (20 by 2020). SBx7-7 requires each urban retail water supplier to develop urban water use targets to achieve the 20 by 2020 goal (20% reduction) and the interim 10 percent goal by 2015.

Table 5-2 compares the City's 2015 water use target to its actual 2015 consumption. Based on this comparison, the City is in compliance with its 2015 interim target (18% reduction).

2015 Compliance		
<i>Retail Agency or Regional Alliance Only*</i>		
Actual 2015 GPCD	2015 Interim Target GPCD	Did Supplier Achieve Targeted Reduction for 2015? Y/N
83	101	Yes
<i>*All values are in Gallons per Capita per Day (GPCD)</i>		

Additionally, the City is a member of the Gateway Regional Alliance formed by the Gateway Integrated Regional Water Management (Gateway IRWM) group. This regional alliance consists of 15 retail agencies as described in CBMWD's 2015 UWMP. The regional water use target is the weighted average of the individual retail agencies' targets (by population). The Gateway Regional Alliance 10-year baseline is 116 GPCD (Gallons Per Capita per Day); the weighted 2015 interim target is 111 GPCD. The actual 2015 water use in the region is 109 GPCD, therefore, the region is also in compliance with the 2015 GPCD interim target.

The other recent amendment, made to the UWMP on September 19, 2014, is set forth by SB 1420, Distribution System Water Losses. SB 1420 requires water purveyors to quantify distribution system losses for the most recent 12-month period are available. The water loss quantification is based on the water system balance methodology developed by the American Water Works Association (AWWA). Water losses are essentially the amount of water purchased and/or produced minus the amount of water distributed for consumption. One of the primary components of water losses is the water that is used to flush water mains, hydrants, and wells. Others could be attributed to water leaks and repair work in the water system.

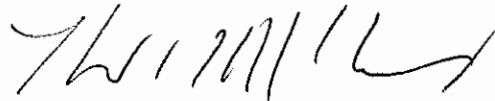
SUMMARY

The 2015 UWMP outlines demand and supply projections through the year 2040. Those projections indicate that the available water supply based on diversified

supplies (groundwater and imported sources) will meet projected demands assuming water infrastructure projects are implemented. The 2015 UWMP will be updated again in the year 2020.

FISCAL IMPACT

None.



Thaddeus McCormack
Executive Director

Attachments:

1. Executive Summary
2. Resolution No. 9546
3. 2015 UWMP

EXECUTIVE SUMMARY
CITY OF SANTA FE SPRINGS
2015 URBAN WATER MANAGEMENT PLAN UPDATE

BACKGROUND AND PURPOSE

The City of Santa Fe Springs (City) is required to prepare an Urban Water Management Plan (Plan) in accordance with the California Urban Water Management Planning Act (UWMP Act) which was established in 1983. The Act requires every “urban water supplier” to prepare and adopt a Plan, periodically review its Plan at least once every five years and make any amendments or changes which are indicated by the review. Pursuant to California Water Code Section 10617, an “Urban Water Supplier” is defined as a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually. The objectives of the UWMP Plan is to direct urban water suppliers to identify the reliability of their existing and projected water supplies from both a water quantity and water quality standpoint; identify current and projected water demands over the next 20 years; evaluate conservation efforts; and, to the extent practicable, review and implement alternative and supplemental water conservation measures. The UWMP Act is directed primarily at retail water purveyors where programs can be immediately affected upon the consumer.

Section 10621(a) of the California Water Code states, “Each water supplier shall update its plan at least once every five years on or before December 31, in years ending in five and zero.”

UWMP ORGANIZATION

The City's 2015 Plan was prepared consistent with the recommended organization provided in the Department of Water Resources' (DWR) Final “Guidebook for Urban

Water Suppliers”, dated March 2016. The City’s 2015 Plan consists of the following Chapters:

- Chapter 1 - Introduction and Overview
- Chapter 2 - Plan Preparation
- Chapter 3 - System Description
- Chapter 4 - System Water Use
- Chapter 5 - Baselines and Targets
- Chapter 6 - System Supplies
- Chapter 7 - Water Supply Reliability
- Chapter 8 - Water Shortage Contingency Planning
- Chapter 9 - Demand Management Measures
- Chapter 10 - Plan Adoption, Submittal, and Implementation

Pursuant to California Water Code requirements, the City’s 2015 Plan incorporates DWR’s standardized tables for the reporting and submittal of UWMP data. The City will also submit the UWMP data (standardized tables) electronically through DWR’s Online Submittal Tool.

The City’s 2015 Plan provides supporting documents (in the appendices) including notification letters of the UWMP update, public notice of the UWMP hearing, adoption resolution from the City’s governing body, and the City’s Resolution No. 5592 on Water Shortage Contingency Plan.

UWMP AND GRANT OR LOAN ELIGIBILITY

Pursuant to DWR’s Final “Guidebook for Urban Water Suppliers,” “In order for an urban water supplier to be eligible for any water management grant or loan administered by DWR, the agency must have a current UWMP on file that has been determined by DWR to address the requirements of the CWC. A current UWMP must also be maintained by the water supplier throughout the term of any grant or loan administered by DWR...

An UWMP may also be required in order to be eligible for other State funding, depending on the conditions that are specified in the funding guidelines.” **Submittal of the City’s 2015 Plan does not necessarily make the City eligible for grants and loans administered by the State and/or DWR (that is a function of the terms of the specific program); however, the City would be automatically ineligible for grants and loans administered by the State and/or DWR if the City does not submit a 2015 Plan.**

SIGNIFICANT ELEMENTS OF UWMP

As previously noted, each Plan is organized into ten chapters pursuant to DWR’s Guidebook. Significant elements of the City’s Plan are briefly addressed below.

Baselines and Targets

The Water Conservation Act of 2009 (or SB X7-7) required retail urban water suppliers to determine target water use for the years 2015 and 2020 in order to help the state achieve a 20 percent reduction in urban water use by the year 2020. The City utilized DWR methodologies for calculating baseline and compliance daily urban per capita water use for the consistent implementation of the Water Conservation Act of 2009. Determination of the 10-year baseline period included a review of historical water use on a “per capita” basis over a 15-year period, which resulted in a baseline period water use of 101 gallons per capita day (based on a continuous 10-year period between fiscal year 1998-99 through fiscal year 2007-08). The baseline period water use factor was subjected to “reduction factors” prescribed by DWR to determine the 2015 Interim Target and the 2020 Urban Water Use Target. The City’s gallons per capita per day (gpcd) water use factors/targets are summarized below:

- | | |
|--------------------------------------|----------|
| • Baseline (1998-99 through 2007-08) | 101 gpcd |
| • 2015 Interim Target | 101 gpcd |
| • 2020 Urban Water Use Target | 100 gpcd |

The City's fiscal year 2014-15 water use was 83 gpcd, which places the City in compliance with the 2015 Interim Target. *See Chapter 5 of the City's 2015 Plan for more information. (Please note: the baseline and targets noted above are separate from the Governor's Executive Order B-29-15, requiring statewide mandatory water use reductions.)*

Water System Supplies and Reliability

The City's main water supply sources include local groundwater pumped from City wells, treated groundwater through the Central Basin Water Quality Protection Program (CBWQPP), treated imported water purchased from Metropolitan Water District of Southern California (MWD) through Central Basin Municipal Water District (CBMWD) and recycled water supplies provided by CBMWD. In addition, the City can receive emergency water supply from the City of Whittier during critical periods of water shortage. **Collectively, the portfolio of water resources available to the City have been deemed reliable and adequate to meet existing and projected demands over the next 20 years.** *See Chapters 6 and 7 of the City's 2015 Plan for more information.*

Water Shortage Contingency Planning

The City has taken action over the years to encourage and enforce water conservation measures. The City adopted Resolution No. 5592 on September 12, 1991, which established an Emergency Water Conservation Plan. The Emergency Water Conservation Plan is to be implemented when a water shortage emergency exists. The purpose and intent of the Emergency Water Conservation Plan is to establish a water conservation and supply shortage program that will reduce water consumption within the City's jurisdiction through conservation, enable effective water supply planning, assure reasonable and beneficial use of water, prevent waste of water, and maximize the efficient use of water within the City to avoid and minimize the effect and hardship of water shortage to the greatest extent possible.

Demand Management Measures

The City has implemented all Demand Management Measures required by the DWR UWMP Guidebook. Those measures consist of:

- Adoption of water waste prevention ordinances (*see Sections 9.2.1 and 9.3.1*)
- Metering of all customer connections (*see Sections 9.2.2 and 9.3.2*)
- Conservation pricing tiered rate structure (*see Sections 9.2.3 and 9.3.3*)
- Public education and outreach (*see Sections 9.2.4 and 9.3.4*)
- Programs to assess and manage distribution system "losses" (*see Sections 9.2.5 and 9.3.5*)
- Water conservation program coordination and staffing support (*see Sections 9.2.6 and 9.3.6*)

PLAN COORDINATION AND SUBMITTAL

The City has complied with all required notification processes, as summarized below.

Coordination

The City coordinated the preparation of the Urban Water Management Plan with the County of Los Angeles, CBMWD, City of Norwalk, City of Downey, and the City of Santa Fe Springs. The City notified these agencies at least sixty (60) days prior to the public hearing of the preparation of the 2015 Plan, invited them to participate in the development of the Plan, and, subsequently, provided a notice of public hearing to these agencies.

The City encouraged the active involvement of the population within its service area prior to and during the preparation of the Plan by publishing a notice of public hearing

in the newspaper during the weeks of May 14, 2017 and May 21, 2017, and by posting a notice of public hearing throughout the City of Santa Fe Springs and on the City's website. To ensure that the Plan was available for review, the City placed a copy of the 2015 draft Plan at the City Clerk's Office located at City Hall and made a copy available for review on its website.

Submitting a UWMP to DWR

Within 30 days of adoption of the 2015 Plan by the City Council, the City will submit the adopted 2015 Plan to DWR. The 2015 Plan will be submitted through DWR's "Water Use Efficiency (WUE) Data Online Submittal Tool" website.

Submitting a UWMP to Cities and Counties

Within 30 days of adoption of the 2015 Plan by the City Council, a copy of the 2015 Plan will be submitted to the County of Los Angeles Registrar / Records office, the City of Santa Fe Springs' Clerk office, the City of Norwalk's Clerk office and the City of Downey's Clerk office. A copy of the submittal letters will be maintained in the City's file.

Public Availability

Within 30 days after submittal of the 2015 Plan to DWR, the City will make the 2015 Plan available at the City Clerk's Office located at City Hall during normal business hours and on the City's website.

IMPLEMENTATION

The City is committed to the implementation of the 2015 Plan in accordance with Section 10643 of the Act, including the water Demand Management Measures (DMMs) and water conservation requirements. The City continues to be committed to the concept of good water management practices and intends to expand its water conservation

program as budgets and staffing allow. The City's water conservation program will periodically be reevaluated and modified to institute additional methods or techniques as the need arises.

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RESOLUTION NO. 9546

**A RESOLUTION OF THE SANTA FE SPRINGS WATER UTILITY AUTHORITY
BOARD ADOPTING THE 2015 URBAN WATER MANAGEMENT PLAN**

WHEREAS, the California Legislature enacted Assembly Bill 797 (Water Code Section 10610 et seq., known as the Urban Water Management Planning Act) during the 1983-84 Regular Session, and as amended subsequently, which mandates that every supplier providing water for municipal purposes to more than 3,000 customers or supplying more than 3,000 acre feet of water annually, prepare an Urban Water Management Plan, the primary objective of which is to plan for the conservation on efficient use of water; and

WHEREAS, the Water Utility Authority Board of Santa Fe Springs Water Utility Authority is an urban supplier of water providing water to over 3,000 customers; and

WHEREAS, the Plan shall be periodically reviewed at least once every five years, and that the Water Utility Authority shall make any amendments or changes to its plan which are indicated by the review; and

WHEREAS, the Plan must be adopted after public review and hearing, and filed with the California Department of Water Resources within thirty days of adoption; and

WHEREAS, the Water Utility Authority Board has therefore prepared and circulated for public review a draft Urban Water Management Plan, and a properly noticed public hearing regarding said Plan was held by the Water Utility Authority Board on June 22, 2017.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Water Utility Authority of Santa Fe Springs as follows:

Section 1. The 2015 Urban Water Management Plan is hereby adopted and ordered filed with the City Clerk; and

Section 2. The Executive Director is hereby authorized and directed to file the 2015 Urban Water Management Plan with the California Department of Water Resources.

PASSED, APPROVED and ADOPTED this 22nd day of June 2017 by the following roll call vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

William K. Rounds, Mayor

ATTEST:

Janet Martinez, CMC, City Clerk

Section 2. The foregoing rates and charges shall apply to all water used after August 12, 2016.

APPROVED and ADOPTED this 11th day of August, 2016.


AYES: Councilmembers Sarno, Trujillo, Zamora, Mayor Pro Tem Rounds and Mayor Moore

NOES: None

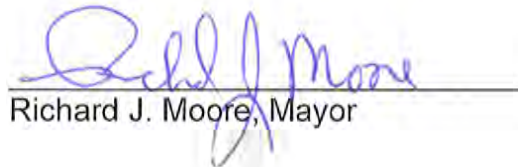
ABSENT: None

ABSTAIN: None

ATTEST:

A handwritten signature in blue ink, appearing to read 'Janet Martinez', is written over a horizontal line.

Janet Martinez, CMC, City Clerk

A handwritten signature in blue ink, appearing to read 'Richard J. Moore', is written over a horizontal line.
Richard J. Moore, Mayor

FINAL DRAFT

City of Santa Fe Springs

2015 Urban Water Management Plan

May 2017



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Northern California ▪ Southern California ▪ Arizona ▪ Colorado

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CHAPTER 1

PLAN PREPARATION

1.1 BACKGROUND AND PURPOSE

The City of Santa Fe Springs (City) is a water supplier and is required to prepare an Urban Water Management Plan (Plan) in accordance with the California Urban Water Management Planning Act (UWMP Act) which was established in 1983. The Act requires every “urban water supplier” to prepare and adopt a Plan, periodically review its Plan at least once every five years and make any amendments or changes which are indicated by the review. Pursuant to California Water Code Section 10617, an “Urban Water Supplier” is defined as a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 AF of water annually.” The primary objective of the UWMP Act is to direct urban water suppliers to evaluate their existing water conservation efforts and, to the extent practicable, review and implement alternative and supplemental water conservation measures. The UWMP Act is directed primarily at retail water purveyors where programs can be immediately affected upon the consumer. The UWMP Act, originally known as Assembly Bill (AB) 797, is included in Appendix A.

Section 10621(a) of the California Water Code states, “Each water supplier shall update its plan at least once every five years on or before December 31, in years ending in five and zero.” However, due to recent changes in Urban Water Management Plan requirements, California State law has extended the deadline for the 2015 Plans to July 1, 2016. The City’s 2015 Plan is an update to the City’s 2010 Plan.



1.2 URBAN WATER MANAGEMENT PLANNING AND THE CALIFORNIA WATER CODE

1.2.1 URBAN WATER MANAGEMENT PLANNING ACT OF 1983

The City is a water supplier and is required to prepare a Plan in accordance with the UWMP Act established in 1983. The UWMP Act is included in the California Water Code (CWC) under Sections 10610 through 10656. A copy of the UWMP Act is provided in Appendix A. The UWMP Act requires water agencies to develop UWMPs which provide a framework for long-term water planning as well as information regarding long-term resource planning to ensure sufficient water supplies are available to meet existing and future demands. Urban water suppliers are required to report, describe, and evaluate water deliveries and uses, water supply sources, efficient water uses, demand management measures, and water shortage contingency planning.

1.2.2 APPLICABLE CHANGES TO THE WATER CODE SINCE 2010

In compliance with the UWMP Act, the City last updated its Urban Water Management Plan in 2011. There have been new amendments added and some reorganization of the CWC sections since the City's last update. The following tabulation is a summary of the new requirements which were incorporated in the City's 2015 Plan, as applicable:



Change Number	Topic	CWC Section	Legislative Bill	Summary	Guidebook Section
1	Demand Management Measures	10631 (f)(1) and (2)	AB 2067, 2014	Requires water suppliers to provide narratives describing their water demand management measures, as provided. Requires retail water suppliers to address the nature and extent of each water demand management measure implemented over the past 5 years and describe the water demand management measures that the supplier plans to implement to achieve its water use targets.	Chapter 9
2	Submittal Date	10621 (d)	AB 2067, 2014	Requires each urban water supplier to submit its 2015 plan to the Department of Water Resources by July 1, 2016.	Chapter 10
3	Electronic Submittal	10644 (a) (2)	SB 1420, 2014	Requires the plan, or amendments to the plan, to be submitted electronically to the department.	Chapter 10
4	Standardized Forms	10644 (a) (2)	SB 1420, 2014	Requires the plan, or amendments to the plan, to include any standardized forms, tables, or displays specified by the department.	CH 1, Section 1.4
5	Water Loss	10631 (e) (1) (J) and (e) (3) (A) and (B)	SB 1420, 2014	Requires a plan to quantify and report on distribution system water loss.	Appendix L
6	Estimating Future Water Savings	10631 (e) (4)	SB 1420, 2014	Provides for water use projections to display and account for the water savings estimated to result from adopted codes, standards, ordinances, or transportation and land use plans, when that information is available and applicable to an urban water supplier.	Appendix K
7	Voluntary Reporting of Energy Intensity	10631.2 (a) and (b)	SB 1036, 2014	Provides for an urban water supplier to include certain energy-related information, including, but not limited to, an estimate of the amount of energy used to extract or divert water supplies.	Appendix O
8	Defining Water Features	10632	AB 2409, 2010	Requires urban water suppliers to analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas.	CH 8, Section 8.2.4

Source: Department of Water Resources' "Guidebook for Urban Water Suppliers" dated March 2016

1.2.3 WATER CONSERVATION ACT OF 2009 (SB X7-7)

The Water Conservation Act of 2009 (SB X7-7) required retail urban water suppliers to report the following conservation goals in their 2010 UWMPs:

- Base Daily per Capita Water Use;
- 2015 Interim Urban Water Use Target;
- 2020 Urban Water Use Target; and
- Compliance Daily per Capita Water Use



A discussion addressing the requirements of the Water Conservation Act is found in Chapter 5 of the City's 2015 Plan.

1.3 URBAN WATER MANAGEMENT PLANNING IN RELATION TO OTHER PLANNING EFFORTS

The City is a member agency of Central Basin Municipal Water District (CBMWD), a wholesale water agency. CBMWD prepared a 2015 Plan which is incorporated in the City's 2015 Plan by reference. In addition, the City provided its 2015 Plan to CBMWD which includes water use projections in five-year increments for normal, single dry, and multiple dry year conditions over the next 20 years.

1.4 UWMP ORGANIZATION

The City's 2015 Plan was prepared consistent with the recommended organization provided in the Department of Water Resources' (DWR) Final "Guidebook for Urban Water Suppliers", dated March 2016. The City's 2015 Plan consists of the following Chapters:

- Chapter 1 - Introduction and Overview
- Chapter 2 - Plan Preparation
- Chapter 3 - System Description
- Chapter 4 - System Water Use
- Chapter 5 - Baselines and Targets
- Chapter 6 - System Supplies



Chapter 7 - Water Supply Reliability

Chapter 8 - Water Shortage Contingency Planning

Chapter 9 - Demand Management Measures

Chapter 10 - Plan Adoption, Submittal, and Implementation

Pursuant to California Water Code requirements, the City's 2015 Plan incorporates DWR's standardized tables for the reporting and submittal of UWMP data. The standardized tables are provided in Appendix B. The City also submitted the UWMP data (standardized tables) electronically through DWR's Online Submittal Tool.

The City's 2015 Plan also provides supporting documents (appendices) including notification letters of the UWMP update, public notice of the UWMP hearing, adoption resolution from the City's governing body, and the City's Water Shortage Contingency Plan. Further discussions regarding these supporting documents are provided within the individual Chapters of the City's 2015 Plan.

1.5 UWMP AND GRANT OR LOAN ELIGIBILITY

Pursuant to DWR's Draft "Guidebook for Urban Water Suppliers", *"In order for an urban water supplier to be eligible for any water management grant or loan administered by DWR, the agency must have a current UWMP on file that has been determined by DWR to address the requirements of the CWC. A current UWMP must also be maintained by the water supplier throughout the term of any grant or loan administered by DWR... An UWMP may also be required in order to be eligible for other State funding, depending on the conditions that are specified in the funding guidelines."* The City's 2015 Plan has been prepared in order to meet eligibility requirements for grants and loans administered by the State and / or DWR.



1.6 TIPS FOR UWMP PREPARERS

The City's 2015 Plan is considered an update to the City's 2010 Plan. However, the 2015 Plan is considered a stand-alone document. As discussed in Section 1.4, the City's 2015 Plan was prepared consistent with the recommended organization provided in DWR's Final "Guidebook for Urban Water Suppliers," dated March 2016. A checklist of specific UWMP requirements is included in Appendix C. The checklist includes the page number where the required elements are addressed to assist in DWR's review of the submitted Plan.



CHAPTER 2

PLAN PREPARATION

2.1 BASIS FOR PREPARING A PLAN

CWC 10617.

"Urban water supplier" means a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 AF of water annually. An urban water supplier includes a supplier or contractor for water, regardless of the basis of right, which distributes or sells for ultimate resale to customers.

CWC 10620.

(b) Every person that becomes an urban water supplier shall adopt an urban water management plan within one year after it has become an urban water supplier.

CWC 10621.

(a) Each urban water supplier shall update its plan at least once every five years on or before December 31, in years ending in five and zero, except as provided in subdivision (d).

(d) Each urban water supplier shall update and submit its 2015 plan to the department by July 1, 2016.

This Plan was prepared in accordance with the UWMP Act which was established in 1983. The UWMP Act requires every "urban water supplier" to prepare and adopt a Plan, to periodically review its Plan at least once every five years and make any amendments or changes which are indicated by the review. An "Urban Water Supplier" is defined as a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet (AF) of water annually. The primary objective of the UWMP Act is to direct urban water suppliers to prepare a Plan that describes and



evaluates sources of supply, reasonable and practical efficient uses, reclamation, and demand management activities. **The UWMP Act is directed primarily at retail water purveyors where programs can be immediately applied to the consumers.** Sections 10610 through 10656 of the California Water Code, Urban Water Management Planning Act, were enacted in 1983. The UWMP Act, originally known as Assembly Bill (AB) 797, is included in Appendix A.

Section 10621(a) of the California Water Code states, “Each water supplier shall update its plan at least once every five years on or before December 31, in years ending in five and zero.” However, because of recent changes in Urban Water Management Plan requirements, California State law has extended the deadline for the 2015 Plans to July 1, 2016.

The City is an “urban water supplier” pursuant to Section 10617 of the California Water Code and directly serves potable water to more than 3,000 customers and supplies more than 3,000 AF per year (AFY) at retail for municipal purposes. The City does not provide water at wholesale for municipal purposes. This 2015 Plan is an update to the City’s 2010 Plan.



2.1.1 PUBLIC WATER SYSTEMS

CWC 10644.

(a)(2) The plan, or amendments to the plan, submitted to the department ... shall include any standardized forms, tables, or displays specified by the department.

CWC 10608.52.

(a) The department, in consultation with the board, the California Bay-Delta Authority or its successor agency, the State Department of Public Health, and the Public Utilities Commission, shall develop a single standardized water use reporting form to meet the water use information needs of each agency, including the needs of urban water suppliers that elect to determine and report progress toward achieving targets on a regional basis as provided in subdivision (a) of Section 10608.28. (b) At a minimum, the form shall be developed to accommodate information sufficient to assess an urban water supplier's compliance with conservation targets pursuant to Section 10608.24... The form shall accommodate reporting by urban water suppliers on an individual or regional basis as provided in subdivision (a) of Section 10608.28.

California Health and Safety Code 116275.

(h) "Public water system" means a system for the provision of water for human consumption through pipes or other constructed conveyances that has 15 or more service connections or regularly serves at least 25 individuals daily at least 60 days out of the year.

Pursuant to California Water Code requirements, the City's 2015 Plan incorporates DWR's standardized tables for the reporting and submittal of UWMP data. The standardized tables are provided within the body of the 2015 Plan text as well as in Appendix B. The City also submitted the UWMP data (standardized tables) electronically through DWR's Online Submittal Tool. In addition, the City is a Public Water System and is regulated by the State Water Resources Control Board - Division of Drinking Water (SWRCB-DDW). The SWRCB-DDW requires water agencies provide the number of connections, water usage, and other information annually. The



information provided to SWRCB-DDW indicates the City serves potable water to more than 3,000 customers and supplies more than 3,000 AFY.

2.1.2 AGENCIES SERVING MULTIPLE SERVICE AREAS / PUBLIC WATER SYSTEMS

The City serves only a single Public Water System. Table 2-1 provides the name and number of the City's Public Water System.

2.2 REGIONAL PLANNING

The City has developed its 2015 Plan reporting solely on its service area to address all requirements of the California Water Code. The City's 2015 Plan was not developed as a Regional Plan.

2.3 INDIVIDUAL OR REGIONAL PLANNING AND COMPLIANCE

As shown in Table 2-2, the City's 2015 Plan is an "Individual UWMP". The City has developed its 2015 Plan reporting solely on its service area to address all requirements of the California Water Code. The City notified and coordinated with appropriate regional agencies and constituents (See Section 2.5).

2.3.1 REGIONAL UWMP

CWC 10620.

(d)(1) An urban water supplier may satisfy the requirements of this part by participation in areawide, regional, watershed, or basinwide urban water management planning where those plans will reduce preparation costs and contribute to the achievement of conservation and efficient water use.



As indicated in Table 2-2, the City's 2015 Plan was developed as an "Individual UWMP" and not part of a Regional Plan.

2.3.2 REGIONAL ALLIANCE

CWC 10608.20.

(a)(1) ...Urban retail water suppliers may elect to determine and report progress toward achieving these targets on an individual or regional basis, as provided in subdivision (a) of Section 10608.28...

CWC 10608.28.

(a) An urban retail water supplier may meet its urban water use target within its retail service area, or through mutual agreement, by any of the following:

- (1) Through an urban wholesale water supplier.*
- (2) Through a regional agency authorized to plan and implement water conservation, including, but not limited to, an agency established under the Bay Area Water Supply and Conservation Agency Act (Division 31 (commencing with Section 81300)).*
- (3) Through a regional water management group as defined in Section 10537.*
- (4) By an integrated regional water management funding area.*
- (5) By hydrologic region.*
- (6) Through other appropriate geographic scales for which computation methods have been developed by the department.*

(b) A regional water management group, with the written consent of its member agencies, may undertake any or all planning, reporting, and implementation functions under this chapter for the member agencies that consent to those activities. Any data or reports shall provide information both for the regional water management group and separately for each consenting urban retail water supplier and urban wholesale water supplier.

As indicated in Table 2-2, the City's 2015 Plan was developed as an "Individual UWMP." However, the City is also a participating agency in the Gateway Water Management Authority's (GWMA) "Gateway Regional Water Conservation Alliance Report" (Gateway Regional Alliance report). GWMA is a coalition comprised of 28 cities and water agencies in the Los Angeles Gateway Region and was formed to integrate regional watershed activities. The City is a member agency of the GWMA. The GWMA



prepared a “Summary of Baseline and Compliance Urban per Capita Water Use Determination” in June 2016 to assist its member agencies in an alternative way of calculating Baseline and Urban per Capita Water Use compliance as a region, as shown in Appendix D. The City chose to estimate its Baseline and Urban per Capita Water Use as an individual, which is discussed in detail in Chapter 5.

2.4 FISCAL OR CALENDAR YEAR AND UNITS OF MEASURE

CWC 10608.20.

(a)(1) Urban retail water suppliers...may determine the targets on a fiscal year or calendar year basis.

2.4.1 FISCAL OR CALENDAR YEAR

The data provided in the City’s 2015 Plan is reported on a calendar year basis, unless noted otherwise, as show in Table 2-3. A calendar year begins on January 1 of every year.

2.4.2 REPORTING COMPLETE 2015 DATA

The data provided in the City’s 2015 Plan is provided on a calendar year basis through December 31, 2015.



2.4.3 UNITS OF MEASURE

As shown in Table 2-3, the data provided in the City's 2015 Plan is reported in units of acre-feet (AF), unless noted otherwise.

2.5 COORDINATION AND OUTREACH

CWC 10631.

(j) An urban water supplier that relies upon a wholesale agency for a source of water shall provide the wholesale agency with water use projections from that agency for that source of water in five-year increments to 20 years or as far as data is available. The wholesale agency shall provide information to the urban water supplier for inclusion in the urban water supplier's plan that identifies and quantifies, to the extent practicable, the existing and planned sources of water as required by subdivision (b), available from the wholesale agency to the urban water supplier over the same five-year increments, and during various water-year types in accordance with subdivision (c). An urban water supplier may rely upon water supply information provided by the wholesale agency in fulfilling the plan informational requirements of subdivisions (b) and (c).

2.5.1 WHOLESALE AND RETAIL COORDINATION

The City is a member agency of the wholesale water agency CBMWD. As indicated in Table 2-4, the City has provided its 2015 Plan to CBMWD which includes water use projections in five-year increments for normal, single dry, and multiple dry year conditions over the next 20 years.



2.5.2 COORDINATION WITH OTHER AGENCIES AND THE COMMUNITY

CWC 10620.

(d)(2) Each urban water supplier shall coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.

CWC 10642.

Each urban water supplier shall encourage the active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan.

The City is a retail water supplier that serves the majority of the residents within the City of Santa Fe Springs. The City is required to coordinate the preparation of the Plan with appropriate agencies in the area, including appropriate water suppliers that share a common source. Therefore, the City coordinated the preparation of the Plan with the County of Los Angeles, CBMWD, City of Norwalk, City of Downey, and the City of Santa Fe Springs. As discussed in Section 10.2, the City notified these agencies, as well as to the cities and county within which the City provides water supplies, at least sixty (60) days prior to the public hearing of the preparation of the 2015 Plan and invited them to participate in the development of the Plan.

2.5.3 NOTICE TO CITIES AND COUNTIES

CWC 10621.

(b) Every urban water supplier required to prepare a plan pursuant to this part shall, at least 60 days before the public hearing on the plan required by Section 10642, notify any



city or county within which the supplier provides water supplies that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan.

As discussed in Section 10, notification was provided to the cities and county within which the City provides water supplies that the City was reviewing and considering amendments (updates) to the 2010 Plan, and as a result prepare the 2015 Plan Update.



CHAPTER 3

SYSTEM DESCRIPTION

3.1 GENERAL DESCRIPTION

CWC 10631.

(a) Describe the service area of the supplier.

The City's water service area is approximately 8.9 square miles in size, and covers approximately 90 percent of the land within the City's municipal boundaries, as well as a small area in the City of Downey. Figure 1 shows the City's water service area. The City is bounded on the north by the City of Whittier, on the east by the City of La Mirada, on the southeast by the City of Cerritos, on the southwest by the City of Norwalk, on the west by the City of Downey, and on the northwest by the City of Pico Rivera.

Land use within the City's service area is approximately 85 percent commercial and industrial, and approximately 15 percent residential. Most of the residential land use is concentrated along the western perimeter of the City.

3.2 SERVICE AREA BOUNDARY MAP

As discussed in Section 3.1, the City's current water service area covers approximately 8.9 square miles encompassing the majority of the City. A service area boundary map is provided in Figure 1. The City's service area boundary relative to the City of Santa Fe Springs' municipal boundary is provided in Figure 2.



3.2.1 MAP FORMAT RECOMMENDATIONS

The City's service area map was submitted online through DWR's Population Tool in a "KML" file format (i.e. Google Earth format). The KML file was originally created in a Geographical Information Systems (GIS) shape file format and converted into a KML format. To the extent information was available, metadata was included in the KML file (including map projection, contact information, start and end dates for which the map is valid, constraints, attribute table definitions, and digitizing base).

3.3 SERVICE AREA CLIMATE

CWC 10631.

(a) Describe the service area of the supplier, including... climate...

The monthly historical average temperatures (including minimum and maximum), monthly historical average rainfall, and monthly evapotranspiration (ETo) in the vicinity of the City's service area is summarized in the tabulation below. Historical climate information was obtained from the Western Regional Climate Center (WRCC) and from DWR's California Irrigation Management Information System (CIMIS).

**Service Area Climate Information**

Month	Average Temperature (F)	Average Min. Temperature (F)	Average Max. Temperature (F)	Average Total Precipitation (Inches)	ETo (Inches)
January	55.6	41.9	69.1	2.78	2.20
February	57.0	43.7	70.2	3.37	2.41
March	58.9	45.9	71.7	2.20	3.71
April	62.1	49.1	75.2	0.87	4.36
May	65.7	53.5	77.7	0.21	5.29
June	69.9	57.2	82.5	0.06	5.78
July	74.9	61.1	88.7	0.03	6.55
August	75.6	61.6	89.7	0.08	6.02
September	73.9	59.5	88.1	0.27	4.87
October	68.2	53.8	82.2	0.51	3.40
November	61.0	46.4	75.3	1.36	2.38
December	55.9	41.9	69.8	2.01	1.90
Annual	64.7	51.3	78.4	13.74	48.87

Source:

Historical average monthly precipitation information was obtained from the Los Angeles County Department of Public Works and is based on data collected from Station 106Z (Whittier City Yard) from 1959 through 2015. Historical monthly temperature information was obtained from the Western Regional Climate Center (<http://www.wrcc.dri.edu/>) and is based on data collected from Station 047785 (San Gabriel Fire Department) from 1939 through 2015. Historical monthly average ETo information was obtained from the California Irrigation Management Information Systems (<http://www.cimis.water.ca.gov>) and is based on data collected from Station 159 (Monrovia).

The historical average rainfall in the vicinity of the City's service area is about 13.74 inches. Annual rainfall near the City's service area from 1959 to 2015 is provided as Appendix E. The City's service area has a dry climate and summers can reach average daily temperatures in the high 80s. Although changes in climatic conditions will have an impact, the projected water supply demands will be based on average year, single dry year and multiple-dry years, based on historical data and projected demands.



3.3.1 CLIMATE CHANGE (OPTIONAL)

DWR had deemed Section 3.3.1 as optional. The City is not required by DWR to complete this section. GWMA is a coalition comprised of 28 cities and water agencies in the Los Angeles Gateway Region and was formed to integrate regional watershed activities. The City is a member agency of the GWMA. The GWMA's 2013 Integrated Regional Water Management Plan¹ (IRWMP) addresses baseline climate conditions and the potential quantitative effect of climate change on the Gateway Region, including effects on local water supplies and demands and imported water supplies. The 2013 GWMA IRWMP is incorporated in the City's 2015 Plan by reference.

A discussion on single-dry year and multiple dry years is provided in Section 7.2 and a discussion on potential impacts to basin management practices is provided in Section 6.2. A discussion regarding the regional impacts of climate change on demand and supply are provided in Metropolitan Water District of Southern California's (MWD's) 2015 Plan, which is incorporated by reference.

3.4 SERVICE AREA POPULATION AND DEMOGRAPHICS

CWC 10631.

(a) Describe the service area of the supplier, including current and projected population... The projected population estimates shall be based upon data from the state, regional, or local service agency population projections within the service area of the urban water supplier and shall be in five-year increments to 20 years or as far as data is available.

¹ <http://gatewaywater.org/grants/completed-projects/gateway-integrated-regional-water-management-plan/>



The City provides water service to an area with a 2015 population of about 14,700. Table 3-1 presents the current and projected population of the area encompassed by the City from 2015 to 2040. The City is projected to have a population of approximately 18,000 by 2040. Projected populations in the City's service area were based on projections obtained from the Southern California Association of Governments (SCAG). The SCAG data incorporates demographic trends, existing land use, general plan land use policies, and input and projections from the Department of Finance (DOF) and the US Census Bureau. The population estimate for FY 2014-15 in Table 3-1 is consistent with DWR requirements discussed in Section 5.4.1.

3.4.1 OTHER DEMOGRAPHIC FACTORS

CWC 10631.

(a) Describe the service area of the supplier, including... other demographic factors affecting the supplier's water management planning.

No other demographic factors affect the City's water management planning. However, increased population will have an impact on water demand.



CHAPTER 4

SYSTEM WATER USE

4.1 RECYCLED VERSUS POTABLE AND RAW WATER DEMAND

Chapter 4 addresses the City's potable water demands. Recycled water demands are addressed separately in Section 6.5; however, a summary is provided in Table 4-3. Raw water is not served by the City and is not applicable.

4.2 WATER USES BY SECTOR

CWC 10631(e).

(1) Quantify, to the extent records are available, past and current water use, over the same five-year increments described in subdivision (a), and projected water use, identifying the uses among water use sectors, including, but not necessarily limited to, all of the following uses:

- (A) Single-family residential.*
- (B) Multifamily.*
- (C) Commercial.*
- (D) Industrial.*
- (E) Institutional and governmental.*
- (F) Landscape.*
- (G) Sales to other agencies.*
- (H) Saline water intrusion barriers, groundwater recharge, or conjunctive use, or any combination thereof.*
- (I) Agricultural.*

(2) The water use projections shall be in the same five-year increments described in subdivision (a).

The City's past and current, and projected water demands are provided in five-year increments through 2040 in Tables 4-1, 4-2 and 4-3. Water demand sectors are also identified (see Section 4.2.1). The City's total water demand projections are based on the SB X7-7 calculations prepared in Section 5.7. The water demands for each



individual water demand sector were projected based on the percentage breakdown of water demands from each individual water demands sector in 2015 (the percentages were then applied to the projected total water demands).

4.2.1 DEMAND SECTORS LISTED IN WATER CODE

As shown in Table 4-1, the City's service area includes the following water demand sectors listed in the California Water Code:

- Single-family residential
(A single-family dwelling unit is a lot with a free-standing building containing one dwelling unit that may include a detached secondary dwelling. Single-family residential water demands are included in retail demands.)
- Commercial
(Commercial users are defined as water users that provide or distribute a product or service. Commercial water demands are included in retail demands.)
- Distribution system losses
(Distribution system losses are discussed in Section 4.3)
- Other
(Unbilled water)



4.2.2 DEMAND SECTORS IN ADDITION TO THOSE LISTED IN THE WATER CODE

The City's service area does not include other water demand sectors which are not listed in the California Water Code (including exchanges, surface water augmentation, transfers, and wetlands or wildlife habitat).

4.3 DISTRIBUTION SYSTEM WATER LOSSES

CWC 10631(e)(1).

Quantify, to the extent records are available, past and current water use, over the same five-year increments described in subdivision (a), and projected water use, identifying the uses among water use sectors, including, but not necessarily limited to, all of the following uses:...

(J) Distribution system water loss

CWC 10631(e)(3).

(A) For the 2015 urban water management plan update, the distribution system water loss shall be quantified for the most recent 12-month period available. For all subsequent updates, the distribution system water loss shall be quantified for each of the five years preceding the plan update.

(B) The distribution system water loss quantification shall be reported in accordance with a worksheet approved or developed by the department through a public process. The water loss quantification worksheet shall be based on the water system balance methodology developed by the American Water Works Association.

The City has reviewed its distribution system water losses by using the American Water Works Association's (AWWA) water audit software which is a spreadsheet-based water audit tool. The City has submitted the reporting worksheet from the AWWA water



audit in an Excel format through DWR's Online Submittal Tool. In addition, a copy of the reporting worksheet from the AWWA water audit is provided in Appendix F.

The City's distribution system water losses during calendar year 2015 are provided in Table 4-1. The City's projected distribution system water losses are provided in Table 4-2. In addition, the City's distribution system water losses during the most recent 12-month period available (fiscal year 2015-16) are provided in Table 4-4.

4.4 ESTIMATED FUTURE WATER SAVINGS

CWC 10631(e)(4).

(A) If available and applicable to an urban water supplier, water use projections may display and account for the water savings estimated to result from adopted codes, standards, ordinances, or transportation and land use plans identified by the urban water supplier, as applicable to the service area.

(B) To the extent that an urban water supplier reports the information described in subparagraph (A), an urban water supplier shall do both of the following: (i) Provide citations of the various codes, standards, ordinances, or transportation and land use plans utilized in making the projections. (ii) Indicate the extent that the water use projections consider savings from codes, standards, ordinances, or transportation and land use plans. Water use projections that do not account for these water savings shall be noted of that fact.

The City's water demand projections are provided in Chapter 7 and are based on the water use targets identified in Section 5.7 pursuant to the Water Conservation Act of 2009 (or SB X7-7). The water demand projections incorporate water savings, or "passive savings," which are the result of implementation of new plumbing codes along with consumer awareness of the need to conserve water. On May 28, 2015, the City passed Ordinance No. 1065, which updated and implemented water conservation regulations. Prior to 2015, the City's residential water use rate averaged about 101 gallons per capita day (gpcd). As identified in Section 5.8, the City's actual water use



rate during 2015 was 83 gpcd, which is a decrease of about 18 gpcd from the recent historical average and includes passive savings. The City's projected water use targets identified in Section 5.7 incorporate ongoing water passive savings and reduced water use. As indicated in Table 4-5, estimated future water savings have been considered as part of the City's water use projections.

4.5 WATER USE FOR LOWER INCOME HOUSEHOLDS

CWC 10631.1.

(a) The water use projections required by Section 10631 shall include projected water use for single-family and multifamily residential housing needed for lower income households, as defined in Section 50079.5 of the Health and Safety Code, as identified in the housing element of any city, county, or city and county in the service area of the supplier.

California Health and Safety Code 50079.5.

(a) "Lower income households" means persons and families whose income does not exceed the qualifying limits for lower income families... In the event the federal standards are discontinued, the department shall, by regulation, establish income limits for lower income households for all geographic areas of the state at 80 percent of area median income, adjusted for family size and revised annually.

The City's water use projections (See Section 7.3) through 2040 include projected water demands for lower income single-family and multi-family households. The total number of lower income households within the City's service area was estimated based on billing records provided by the City, a review of median household income statistics provided by the U.S. Census Bureau's American FactFinder and a review of GIS maps of Disadvantaged Communities² (DACs), including block groups,

² GIS information for DACs is based on data from the US Census showing census block groups, tracts, and places identified as



tracts, and places, provided by DWR. The estimated number of lower income households within the City's service area is approximately 35 percent of its total number of households. As indicated in Table 4-2, the total projected residential (single family and multi-family) water demands within the City in 2040 is estimated at about 1,612 AFY. Based on a 35 percent use factor of total residential water demands, the projected water demand for lower income households is about 570 AFY by the year 2040. The projected water demands for lower income households were included in the City's total projected water demands, as indicated in Table 4-5.

4.6 CLIMATE CHANGE (OPTIONAL)

DWR had deemed Section 4.6 as optional. The City is not required by DWR to complete this section. However, as discussed in Section 3.3.1, GWMA's 2013 IRWMP addresses baseline climate conditions and the potential quantitative effect of climate change on the Gateway Region, including effects on local water supplies and demands and imported water supplies. The 2013 GWMA IRWMP is incorporated in the City's 2015 by reference.

A discussion on single-dry year and multiple dry years is provided in Section 7.2 and a discussion on potential impacts to basin management practices is provided in Section 6.2. A discussion regarding the regional impacts of climate change on demand and supply are provided in MWD's 2015 Plan, which is incorporated by reference.

disadvantaged communities (less than 80 percent of the State's median household income) or severely disadvantaged communities (less than 60 percent of the State's median household income)



CHAPTER 5

SB X7-7 BASELINE AND TARGETS

The Water Conservation Act of 2009 (or SB X7-7) required retail urban water suppliers to determine target water use for the years 2015 and 2020 in order to help the state achieve a 20 percent reduction in urban water use by the year 2020. Methodologies for calculating baseline and compliance daily urban per capita water use for the consistent implementation of the Water Conservation Act of 2009 were previously published by DWR's "Methodologies for Calculating Baseline and Compliance Urban Per Capita Water Use", dated October 1, 2010. DWR provided updated methodologies in its DWR's "Methodologies for Calculating Baseline and Compliance Urban Per Capita Water Use", dated February 2011. DWR's guidance documents were used by the City to determine the required water use parameters which are discussed below. The City developed the baselines and targets individually and not regionally. A copy of the Water Conservation Act of 2009 is provided in Appendix G.

5.1 GUIDANCE FOR WHOLESALE AGENCIES

CWC 10608.36.

Urban wholesale water suppliers shall include in the urban water management plans... an assessment of their present and proposed future measures, programs, and policies to help achieve the water use reductions required by this part.

The City is not a wholesale agency and is not required by DWR to complete Section 5.1.



5.2 UPDATING CALCULATIONS FROM 2010 UWMP

CWC 10608.20.

(g) An urban retail water supplier may update its 2020 urban water use target in its 2015 urban water management plan required pursuant to Part 2.6 (commencing with Section 10610).

Methodologies DWR 2010, Methodology 2 Service Area Population.

Page 27 - Water suppliers may revise population estimates for baseline years between 2000 and 2010 when 2010 census information becomes available. DWR will examine discrepancy between the actual population estimate and DOF's projections for 2010; if significant discrepancies are discovered, DWR may require some or all suppliers to update their baseline population estimates.

5.2.1 TARGET METHOD

The methodology selected in the City's 2010 Plan to determine the City's 2015 and 2020 urban water use targets was:

- "Method 1" and was based on eighty percent of the urban water supplier's baseline water use over a specific 10-year period.
- "Method 3" and was based on ninety-five percent of the applicable state hydrologic region target as stated in the State's April 30, 2009, draft 20x2020 Water Conservation Plan.

Because 2010 U.S. Census data was not available during the preparation of the City's 2010 Plan, the City is required to recalculate its "baseline population" (See Section 5.2.2) as well as its target water use for the 2015 Plan (See Section 5.7.1).



However, “Target Method 3” (as discussed in Section 5.7.1) is incorporated in this 2015 Plan.

5.2.2 REQUIRED USE OF 2010 U.S. CENSUS DATA

The City has incorporated 2010 U.S. Census data into baseline population calculations in this 2015 Plan (See Section 5.4). As a result, the City updated its baseline population as well as its water use targets (See Section 5.7).

5.2.3 SB X7-7 VERIFICATION FORM

The required SBX7-7 Verification Form is provided in Appendix H.

5.3 BASELINE PERIODS

CWC 10608.20.

(e) An urban retail water supplier shall include in its urban water management plan due in 2010...the baseline daily per capita water use...along with the bases for determining those estimates, including references to supporting data.

(g) An urban retail water supplier may update its 2020 urban water use target in its 2015 urban water management plan required pursuant to Part 2.6 (commencing with Section 10610).

The Baseline Daily Per Capita Water Use is defined as the average water use, expressed in gallons per capita per day (GPCD), for a continuous, multi-year baseline period. There were two different baseline periods (including a 10-year baseline period³

³ Pursuant to CWC 10608.12(b)(1), the 10-year baseline period is based on “a continuous 10-year period ending no earlier than December 31, 2004, and no later than December 31, 2010”



and a 5-year baseline period⁴) for calculating Baseline Daily Per Capita Water Use in the City's 2010 Plan. The baseline periods applicable for the City's 2015 Plan have been reviewed and are presented below.

5.3.1 DETERMINATION OF THE 10-15 YEAR BASELINE PERIOD (BASELINE GPCD)

CWC 10608.12.

(b) "Base daily per capita water use" means any of the following:

(1) The urban retail water supplier's estimate of its average gross water use, reported in gallons per capita per day and calculated over a continuous 10-year period ending no earlier than December 31, 2004, and no later than December 31, 2010.

(2) For an urban retail water supplier that meets at least 10 percent of its 2008 measured retail water demand through recycled water that is delivered within the service area of an urban retail water supplier or its urban wholesale water supplier, the urban retail water supplier may extend the calculation described in paragraph (1) up to an additional five years to a maximum of a continuous 15-year period ending no earlier than December 31, 2004, and no later than December 31, 2010.

The California Water Code allows an urban water supplier to calculate up to a 15-year baseline period if at least 10 percent of its 2008 retail water demands were met through recycled water deliveries within its service area, otherwise calculation of a 10-year baseline period is required. The City received about 186 AF of recycled water deliveries in 2008, which is more than 10 percent of its total retail water demands. Consequently, a 10- to 15-year baseline period water use can be used to determine the baseline period. A 10-year baseline period of 101 GPCD for the City was determined and incorporated into this 2015 Plan and is based on a continuous 10-year period

⁴ Pursuant to CWC 10608.12(b)(3), the 5-year baseline period is based on "a continuous five-year period ending no earlier than December 31, 2007, and no later than December 31, 2010"



between 1999 and 2008 (See SB X7-7 Table 1, Appendix H). A further discussion of determining water use targets based on the 10-year baseline period water use is discussed further in Section 5.7.

5.3.2 DETERMINATION OF THE 5-YEAR BASELINE PERIOD (TARGET CONFIRMATION)

CWC 10608.12.

(b)(3) For the purposes of Section 10608.22, the urban retail water supplier's estimate of its average gross water use, reported in gallons per capita per day and calculated over a continuous five-year period ending no earlier than December 31, 2007, and no later than December 31, 2010.

CWC 10608.22.

...an urban retail water supplier's per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use as defined in paragraph (3) of subdivision (b) of Section 10608.12. This section does not apply to an urban retail water supplier with a base daily per capita water use at or below 100 gallons per capita per day

According to Section 10608.22 of the California Water Code, if an urban retail water supplier's 5-year baseline period water use is greater than 100 GPCD, the calculated 2020 water use target (See Section 5.7) must be greater than or equal to 95 percent of the 5-year baseline period water use. A 5-year baseline period water use of 106 GPCD for the City was determined and incorporated into this 2015 Plan and is based on a continuous 5-year period between 2003 and 2007 SB X7-7 Table 1, Appendix H). A further discussion of the 2020 water use target confirmation based on the 5-year baseline period water use is discussed further in Section 5.7.2.



5.4 SERVICE AREA POPULATION

CWC 10608.20.

(e) An urban retail water supplier shall include in its urban water management plan due in 2010...the baseline daily per capita water use...along with the bases for determining those estimates, including references to supporting data.

(f) When calculating per capita values for the purposes of this chapter, an urban retail water supplier shall determine population using federal, state, and local population reports and projections.

CWC 10644.

(a)(2) The plan... shall include any standardized forms, tables, or displays specified by the department.

For the purposes of projecting water use targets (See Section 5.7), agencies must determine the population that they served for each baseline year in both of the baseline periods (identified in Section 5.3) and for the 2015 compliance year. The City has incorporated U.S. Census data through 2010 into baseline population calculations in this 2015 Plan (See Section 5.4.1). According to DWR, the full 2010 U.S. Census data was not available until 2012. As a result, the City updated its baseline population as well as its water use targets (See Section 5.7), previously calculated in its 2010 Plan.

5.4.1 POPULATION METHODOLOGY

The annual populations within the City's service area for each year during the baseline periods (identified in Section 5.3) and for the 2015 compliance year were estimated by DWR's online Population Tool (See SB X7-7 Table 2, Appendix H). As discussed in Section 3.2.1, the City's service area boundary was submitted to the Population Tool in a "KML" file format (i.e. Google Earth format). The submitted KML file represents the City's service area boundary from 1990 to present (2015). The



Population Tool utilized U.S. Census data from 1990, 2000, and 2010, along with the City's service area boundary, to estimate the population served by the City in 1990, 2000, and 2010. The annual amounts of residential service connections⁵ within the City's service area for each year from 1990 through 2015 were also entered into the Population Tool. Based on the actual population data (1990, 2000, and 2010) as well as the annual residential service connections (from 1990 through 2015), DWR's Population Tool estimated the annual population within the City's service area for each year from 1990 to 2015. The City's estimated populations during the baseline periods are provided in SB X7-7 Table 3, Appendix H.

5.5 GROSS WATER USE

CWC 10608.12.

(g) "Gross water use" means the total volume of water, whether treated or untreated, entering the distribution system of an urban retail water supplier, excluding all of the following:

- (1) Recycled water that is delivered within the service area of an urban retail water supplier or its urban wholesale water supplier.
- (2) The net volume of water that the urban retail water supplier places into long-term storage.
- (3) The volume of water the urban retail water supplier conveys for use by another urban water supplier.
- (4) The volume of water delivered for agricultural use, except as otherwise provided in subdivision (f) of Section 10608.24.

California Code of Regulations Title 23 Division 2 Chapter 5.1 Article 1, Section 596.

(a) An urban retail water supplier that has a substantial percentage of industrial water use in its service area is eligible to exclude the process water use of existing industrial water customers from the calculation of its gross water use to avoid a disproportionate burden on another customer sector.

⁵ The annual number of residential service connections was estimated based on information provided by the City. The number of residential service connections is a total of single family and multi-family connections.



Annual gross water use amounts within the City for each year of the 10-year baseline year (1999 to 2008) identified in Section 5.3.1, and for each of the 5-year baseline year (2003 to 2007) identified in Section 5.3.2, and for 2015, are provided in SB X7-7 Table 4 (Appendix H) and are based on the total amount of water entering the City's distribution system from its water supply sources (groundwater production wells and imported water connections).

5.5.1 GROSS WATER TABLES

Annual gross water use amounts within the City for each year of the 10-year baseline year (1999 to 2008), identified in Section 5.3, and for 2015, are provided in SB X7-7 Table 4 (Appendix H).

The City currently does not use indirect recycled water within its service area. The City is not required by DWR to complete SB X7-7 Table 4-B.

5.6 BASELINE DAILY PER CAPITAL WATER USE

The "daily per capita water use" is based on the water used per person per day (GPCD) within the City. The daily per capita water use is estimated by dividing gross water use (See Section 5.5 and Appendix H, SBX7-7 Table 4) by the service area population (See Section 5.4 and Appendix G, SBX7-7 Table 3). The City's baseline daily per capita water uses were determined for each baseline year (1999 to 2008) for the year 2015 and are provided in SBX7-7 Table 5 (Appendix H).



5.7 2015 AND 2020 TARGETS

CWC 10608.20.

(e) An urban retail water supplier shall include in its urban water management plan due in 2010... urban water use target, interim urban water use target,... along with the bases for determining those estimates, including references to supporting data.

(g) An urban retail water supplier may update its 2020 urban water use target in its 2015 urban water management plan....

As discussed in Section 5.2.1, “Target Method 3” has been incorporated in the City’s 2015 Plan to determine the City’s 2015 and 2020 urban water use targets. A further discussion regarding the selected target method is provided below.

5.7.1 SELECT AND APPLY A TARGET METHOD

Calculation of the 2020 Urban Water Use Target includes adoption of one of four available methods (pursuant to California Water Code Section 10608.20(b)). The City reviewed the following available methods.

Target Method 1: *Eighty percent of the urban retail water supplier’s Baseline Per Capita Daily Water Use.*

Using this target method, the Urban Water Use Target for the City was calculated as **81 GPCD**, based on 80 percent of the City’s Baseline Per Capita Daily Water Use of 101 GPCD (See SB X7-7 Table 7-A, Appendix H).



Target Method 2: *Estimate using the sum of the specified three performance standards specified in California Water Code Section 10608.20(b)(2).*

Due to insufficient data, this target method was not considered.

Target Method 3: *Ninety-five percent of the applicable state hydrologic region target, as set forth in the state's 20x2020 Water Conservation Plan.⁶*

The City's service area lies entirely within the "South Coast" Hydrologic Region. According to SB X7-7 Table 7-E (Appendix H), the 2020 regional water use target for the South Coast Hydrologic Region is 149 GPCD. The Target Method 3 regional use target for the South Coast Hydrologic Region (or 95 percent of the 2020 regional water use target) is 142 GPCD.

Target Method 4: *Water Savings (DWR Provisional Method 4)*

Due to insufficient data, this target method was not considered.

The City's Urban Water Use Target was initially determined to be **142 GPCD** for 2020 and is based on Target Method 3 above, as indicated in SBX7-7 Table 7 (Appendix H).

⁶ California Department of Water Resources, State Water Resources Control Board, California Bay-Delta Authority, California Energy Commission, California Department of Public Health, California Public Utilities Commission, and California Air Resources Board. *20x2020 Water Conservation Plan*. February 2010.



5.7.2 5-YEAR BASELINE – 2020 TARGET CONFIRMATION

CWC 10608.22.

Notwithstanding the method adopted by an urban retail water supplier pursuant to Section 10608.20, an urban retail water supplier's per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use as defined in paragraph (3) of subdivision (b) of Section 10608.12. This section does not apply to an urban retail water supplier with a base daily per capita water use at or below 100 gallons per capita per day.

As discussed in Section 5.3.2, if an urban retail water supplier's 5-year baseline period water use is greater than 100 GPCD, the calculated 2020 Urban Water Use Target (See Section 5.7.1) must be reduced to 95 percent of the 5-year baseline period water use (unless it is already below 95 percent of the 5-year baseline period). The City's calculated 5-year baseline period water use was 106 GPCD (see Section 5.3.2). The value calculated for 95 percent of the 5-year baseline period water use is **100 GPCD**. The City's 2020 Urban Water Use Target was initially determined using Target Method 3 above to be 142 GPCD, which is more than the value calculated in this step (100 GPCD). Therefore, an adjustment is needed and the City's confirmed 2020 Urban Water Use Target is **100 GPCD**, which is reflective of SB X7-7 Table 7-F, Appendix H.

5.7.3 CALCULATE THE 2015 INTERIM URBAN WATER USE TARGET

The City's 2015 Interim Target is based on the value mid-point between the 10-year baseline period water (101 GPCD, See Section 5.3.1 and SBX7-7 Table 5, Appendix H) and the confirmed 2020 Urban Water Use Target (100 GPCD, See Section 5.7.2 and SBX7-7 Table 7, Appendix H). The City's 2015 Interim Target is **101 GPCD** as indicated in SBX7-7 Table 8 (Appendix H).



5.7.4 BASELINE AND TARGETS SUMMARY

A summary of the City's baseline water use and targets is provided in Table 5-1.

5.8 2015 COMPLIANCE DAILY PER CAPITA WATER USE (GPCD)

CWC 10608.12.

(e) "Compliance daily per capita water use" means the gross water use during the final year of the reporting period...

CWC 10608.24.

(a) Each urban retail water supplier shall meet its interim urban water use target by December 31, 2015.

CWC 10608.20.

(e) An urban retail water supplier shall include in its urban water management plan due in 2010 ... compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.

5.8.1 MEETING THE 2015 TARGET

As discussed in Section 5.7.3, the City's 2015 Interim Target is **101 GPCD**. The City's actual water use during fiscal year 2014-15 was **83 GPCD**. The City is currently in compliance with the 2015 Interim Target, as show in SB X7-7 Table 9 (Appendix H).



5.8.2 2015 ADJUSTMENTS TO 2015 GROSS WATER USE

CWC 10608.24(d).

(1) When determining compliance daily per capita water use, an urban retail water supplier may consider the following factors:

(A) Differences in evapotranspiration and rainfall in the baseline period compared to the compliance reporting period.

(B) Substantial changes to commercial or industrial water use resulting from increased business output and economic development that have occurred during the reporting period.

(C) Substantial changes to institutional water use resulting from fire suppression services or other extraordinary events, or from new or expanded operations, that have occurred during the reporting period.

(2) If the urban retail water supplier elects to adjust its estimate of compliance daily per capita water use due to one or more of the factors described in paragraph (1), it shall provide the basis for, and data supporting, the adjustment in the report required by Section 10608.40.

Methodology Document, Methodology 4.

This section discusses adjustments to compliance-year GPCD because of changes in distribution area caused by mergers, annexation, and other scenarios that occur between the baseline and compliance years.

As discussed in Section 5.8.1, the City is currently in compliance with its 2015 Interim Target. As a result, adjustments to the City's 2015 gross water use were not incorporated into the City's 2015 Plan (See Table 5-2).

5.9 REGIONAL ALLIANCE

As discussed in Section 2.3.2, the City's 2015 Plan was not developed as part of a Regional Alliance. Information from the City's 2015 Plan is not required to be reported in a Regional Alliance report.



CHAPTER 6

SYSTEM SUPPLIES

The City's historical water supply sources included local groundwater pumped from City wells, treated groundwater through the Water Quality Protection Program (CBWQPP), treated imported water purchased from MWD through CBMWD and recycled water supplies provided by CBMWD. A tabulation of historical groundwater, imported water, and recycled water supplies from 1994 to 2015 is shown below.

Calendar Year	Groundwater			Imported Water (MWD)	Recycled Water (CBMWD)	Total
	City Wells	CBWQPP	Subtotal			
1994	2,051	0	2,051	5,868	723	8,642
1995	3,954	0	3,954	3,367	849	8,170
1996	3,435	0	3,435	3,226	998	7,659
1997	3,255	0	3,255	3,786	1,013	8,054
1998	3,245	0	3,245	3,807	836	7,888
1999	4,083	0	4,083	3,658	787	8,528
2000	3,451	0	3,451	4,395	864	8,710
2001	3,277	0	3,277	4,190	884	8,351
2002	4,023	0	4,023	3,831	894	8,748
2003	3,882	0	3,882	3,710	788	8,380
2004	2,978	173	3,151	4,253	674	8,078
2005	2,974	2,115	5,089	2,273	657	8,019
2006	2,096	1,518	3,614	3,669	683	7,966
2007	1,575	1,527	3,102	4,492	779	8,373
2008	1,445	1,646	3,091	4,083	689	7,863
2009	908	1,861	2,769	3,722	598	7,089
2010	950	1,755	2,705	3,484	533	6,722
2011	1,210	2,127	3,337	2,947	489	6,773
2012	1,314	2,138	3,452	3,138	585	7,175
2013	1,310	2,432	3,742	2,831	834	7,407
2014	20	2,855	2,875	3,227	1,032	7,134
2015	0	2,716	2,716	2,714	939	6,369

Source:

City records and Central Basin Watermaster Annual Reports



6.1 PURCHASED OR IMPORTED WATER

The City purchases treated groundwater through CBWQPP and receives treated imported water from MWD through CBMWD, which are summarized below. The City's 2015 and projected volumes of purchased water are provided in Tables 6-8 and 6-9 (See Section 6.9). A discussion regarding the reliability of the treated imported water purchased by the City is provided in Section 7.1.

6.1.1 CBWQPP

The CBWQPP provides treated groundwater to some of its retail agencies, including the City of Santa Fe Springs, which has a contracted minimum purchase amount of 2,016 AFY. The City purchases treated groundwater from the CBWQPP, which has a capacity of 2,200 gallons per minute, through an interconnection with the City of Whittier. In 2015, the City purchased approximately 2,716 AF of treated groundwater water from the CBWQPP. The City's 2015 and projected volumes of treated groundwater from the CBWQPP are provided in Tables 6-8 and 6-9 (See Section 6.9).

6.1.2 TREATED IMPORTED WATER

As a wholesale agency, MWD distributes imported water to 26 member agencies throughout Southern California. CBMWD is one of the member agencies served by MWD. CBMWD distributes water to its retail agencies, including the City of Santa Fe Springs. The City purchases imported water from CBMWD through its CENB-30 and CENB-42 connections, which have capacities of 10 cubic feet per second and 16 cubic feet per second, respectively. In 2015, the City has purchased approximately 2,714 AF of treated imported water from CBMWD. The City's 2015 and projected volumes of purchased water are provided in Tables 6-8 and 6-9 (See Section 6.9).



6.2 GROUNDWATER

According to the Central Basin Judgment (described below), the City has an “Allowed Pumping Allocation” (or adjudicated pumping right) to the Central Basin of 4,036 AFY. City owns three wells: Wells No. 1, 2 and 12. Well No. 1 was placed on standby in 2014 as a result of poor water quality, and is planned to be destroyed. Well No. 2 has been on standby since 2008 due to water quality problems. Well No. 12 was drilled in 2013 and has been inactive since 2013 due to water quality issues. Wells No. 2 and No. 12 have production capacities of 1,900 and 2,000 gallons per minute, respectively. Water treatment facilities are planned for Wells No. 2 and No. 12. The City produced groundwater from Central Basin from 2009 to 2014 from Well No. 1. The City’s past groundwater production in Central Basin over the past five years is shown on Table 6-1 (See Section 6.2.4). The City did not pump any groundwater in 2015 from its wells.

In addition, and as previously discussed in Section 6.1.1, the City receives treated groundwater water through the CBWQPP.

6.2.1 BASIN DESCRIPTION

CWC 10631.

(b) If groundwater is identified as an existing or planned source of water available to the supplier, all of the following information shall be included in the plan:

(2) A description of any groundwater basin or basins from which the urban water supplier pumps groundwater.



Central Basin is located in Los Angeles County approximately 20 miles southeasterly of downtown Los Angeles, as shown on Figure 3. On its north, Central Basin is bounded by the Hollywood Basin, and that boundary runs through the City of Los Angeles. The remainder of the northern boundary of Central Basin extends along the Merced Hills, across Whittier Narrows, and then along Puente Hills. DWR divided the Central Basin into four sections; the Los Angeles Forebay, the Montebello Forebay, the Whittier Area, and the Pressure Area. The northern Basin boundary terminates at the Orange County line, which forms the eastern boundary of the Central Basin. This boundary is a political and not a geologic one, and the aquifers in this area reach into the East Coastal Plain area of Orange County. The south-southwest boundary of the Central Basin is known as the Newport-Inglewood Uplift (NIU), separating Central and West Basin from Long Beach up to the Baldwin Hills just north of the City of Inglewood. DWR Bulletin 118 does not identify Central Basin as currently being in overdraft.

6.2.1.1 GEOLOGY

Central Basin is one of two groundwater basins in the Coastal Plain of Los Angeles County. It is comprised of Quaternary-age sediments (less than 1.8 million years old) of gravel, sand, silt, and clay that were deposited from the erosion of nearby hills and mountains, and from historical beaches and shallow ocean floors that covered the area in the past. Underlying these Quaternary sediments are basement rocks such as the Pliocene Pico Formation that generally do not provide sufficient quantities of groundwater for pumping. Separating the Central Basin from the West Coast Basin is the NIU, a series of discontinuous faults and folds that form a prominent line of northwest trending hills including the Baldwin Hills, Dominguez Hills, and Signal Hill.

Central Basin covers approximately 270 square miles and is bounded on the north by the Hollywood Basin and the Elysian, Repetto, Merced, and Puente Hills, to the east by the Los Angeles County/Orange County line, and to the south and west by the



NIU. DWR divided the Central Basin into four sections; the Los Angeles Forebay, the Montebello Forebay, the Whittier Area, and the Pressure Area.

The two forebays represent areas of unconfined aquifers that allow percolation of surface water down into the deeper aquifers to replenish the basins. The Whittier Area and Pressure Area are confined aquifer systems that receive relatively minimal recharge from surface water. They are replenished from the up-gradient forebay areas and adjacent groundwater basins.

6.2.1.2 HYDROGEOLOGY

The aquifers of Central Basin received their water supply primarily from the surface and subsurface inflow of water from the San Gabriel Valley. The water originates as rainfall in the San Gabriel Mountains, the runoff from which is conveyed to the Los Angeles River, the Rio Hondo, and the San Gabriel River. The Los Angeles River enters Central Basin through the Los Angeles Narrows, crosses the Los Angeles Forebay Area, and proceeds south across Central Basin, exiting Central Basin through the Dominguez Gap in West Basin. The Rio Hondo, enters Central Basin at Whittier Narrows parallel to the San Gabriel River, proceeds southwesterly across the Montebello Forebay Area and joins the Los Angeles River midway across the Basin. The San Gabriel River also enters Central Basin through the Whittier Narrows, crosses the Montebello Forebay, and runs south to the Pacific Ocean near Long Beach at the Orange County line.

As the Rio Hondo and San Gabriel Rivers flow through the Upper San Gabriel Valley toward Whittier Narrows, much of their flow percolates into the Main San Gabriel Basin (Main Basin). This water crosses the Whittier Narrows and enters Central Basin as subsurface flow into the aquifers of Central Basin. At the same time, the surface flows of the Rio Hondo and the San Gabriel River percolate downward into the aquifers



of Central Basin in the Montebello Forebay. In the Montebello Forebay, the underground aquifers merge and are unconfined, and thus are capable of receiving large quantities of water from percolation through the sand and gravel surface of the forebay area.

The Los Angeles Forebay area is also favorably situated for percolation from the flows of the Los Angeles River, but the Los Angeles Forebay has been largely eliminated as a source of fresh water replenishment to Central Basin, due to lining of the Los Angeles River channel and the paving over of the forebay area. In the Montebello Forebay area, by contrast, flood flows have been largely controlled through the construction of the Whittier Narrows Dam, and the river channels have not been lined in the area, so percolation can still occur.

Groundwater in the Central Basin provides a substantial portion of the water supply needed by residents and industries in the overlying area. Groundwater occurs in the pore spaces of the sediments in the basin. The major aquifers identified in Central Basin include the following, from shallowest to deepest: a) the Gaspur and semi-perched aquifers of the Holocene Alluvium Formation; b) the Exposition, Artesia, Gage, and Gardena aquifers of the Upper Pleistocene Lakewood Formation; c) the Hollydale, Jefferson, Lynwood, and Silverado aquifers of the Lower Pleistocene Upper San Pedro Formation; and d) the Sunnyside Aquifer of the Lower Pleistocene Lower San Pedro Formation. Water levels have exhibited a general recovery since the Basin was adjudicated in the early 1960s, as shown on Figure 2. Aquifer depths can reach more than 2,000 feet in Central Basin although production wells generally do not need to be drilled this deep to tap sufficient water.



6.2.2 GROUNDWATER MANAGEMENT

CWC 10631(b).

(b) If groundwater is identified as an existing or planned source of water available to the supplier, all of the following information shall be included in the plan:

(1) A copy of any groundwater management plan adopted by the urban water supplier ... or any other specific authorization for groundwater management.

(2) ...For basins that a court or the board has adjudicated the rights to pump groundwater, a copy of the order or decree adopted by the court or the board and a description of the amount of groundwater the urban water supplier has the legal right to pump under the order or decree.

Groundwater production in Central Basin is restricted to adjudicated rights fixed by the Central Basin Judgment and managed by a court-appointed Watermaster. The City was a defendant in Central Basin Judgment⁷ and as such had participation. The following section provides a historical overview based on the Central Basin Watermaster Annual Report.

6.2.2.1 CENTRAL BASIN JUDGMENT

On January 2, 1962, the Central and West Basin Water Replenishment District (now WRD) filed Case No. 786,656 in the Superior Court, County of Los Angeles, naming more than 700 parties as defendants. It sought to adjudicate water rights of groundwater and regulate pumping from the Central Basin. By September 1962, a proposed agreement had been approved by a sufficient number of water producers (producers owning over 75 percent of the Assumed Relative Rights within Central

⁷ Central and West Basin Water Replenishment District, etc. vs. Charles E. Adams etc., Los Angeles County Case No. 786,656, Judgment entered in 1965.



Basin) to guarantee control over groundwater pumping in Central Basin. On September 28, 1962, the Court signed the “Order Pursuant to Stipulation and Interim Agreement and Petition for Order” and appointed DWR as Watermaster.

Subsequently, a stipulated judgment was drafted. Approval was received by public utility water companies and other producers representing well over 200,000 AF, or 75 percent, of the total rights within Central Basin. This was a prerequisite to filing the stipulated judgment with the Court. On May 17, 1965, the case went to trial before Judge Edmund M. Moor. Following testimony on engineering, geology, hydrology, and safe yield of Central Basin and arguments on water right entitlement, the case was continued to August 25, 1965. Shortly thereafter, Judge Moor appointed DWR as Watermaster. The final Judgment was signed on October 11, 1965 and became effective on October 1, 1966.⁸ A copy of the Central Basin Judgment is located in Appendix I.

The Judgment was amended on March 21, 1980, to provide for a transition in the administrative year from a water year (October 1 to September 30) to a fiscal year (July 1 to June 30). Under the Judgment, this transition in turn contained a “short” administrative year of nine months – October 1, 1980 to June 30, 1981. The administrative year starting July 1, 1981 was on a fiscal year basis.

The Judgment was again amended on July 19, 1985, modifying the annual budget (\$20 minimum assessment) and exchange pool provisions. The second amended Judgment of May 6, 1991 modified the carryover and overproduction provisions (to 20 percent of allowed pumping allocation or 20 AF, whichever is greater, from 10 percent of allowed pumping allocation or 10 AF), and defined drought carryover, and provided for exemptions for extractors of contaminated groundwater.

⁸ Central and West Basin Water Replenishment District, etc. v. Charles E. Adams, et al, Los Angeles County Case No. 786,656.



On January 12, 2001, by order of the Central Basin Watermaster, WRD issued Non-Consumptive Use Permit No. 2000-01 to the Southeast Water Coalition for the “Central Basin Early Remediation Project” to remedy or ameliorate groundwater contamination that originated in the San Gabriel Valley and that has moved into the northeast portion of the Central Basin.

In December 2013, the Court approved amendments to the Central Basin Judgment which implement a water storage program. The amendment states, “...a party may store up to 200 percent of the party’s Allowed Pumping Allocation, if space is available.” In addition, the amendments allow parties to convert unused Allowed Pumping Allocation to stored water and revised the amount of carryover to be equal to 100 percent of the party’s Allowed Pumping Allocation minus the amount of carryover water set aside for storage, as noted above. The purpose of the storage program creates an added reliability in water supply from the Central Basin. In addition, the amendments allow for transfer of water between Central Basin and West Basin by permitting parties with water rights in Central Basin to increase production in Central Basin, while another party decreases production in West Basin by the corresponding amount.

Under the Judgment, water rights are fixed and do not vary year to year. Water producers cannot exceed their water rights by more than 20 percent or 20 AF, whichever is greater, in any year and an adjustment is made the following year. In addition, water producers cannot carry over more than 20 percent or 20 AF, whichever is greater, of their water rights for use in the following year.

California Statewide Groundwater Elevation Monitoring Program

The 2014 Sustainable Groundwater Management Act (SGMA) directed DWR to establish initial groundwater basin priorities for the basins identified and defined in



DWR's Bulletin 118. DWR finalized the basin prioritization in June 2014 through the California Statewide Groundwater Elevation Monitoring (CASGEM)⁹ program. The CASGEM basin prioritization program is being used by DWR to focus resources towards implementing legislation to require all groundwater basins be monitored for seasonal and long-term groundwater elevation trends. DWR plans to evaluate the status of groundwater level monitoring in "High" or "Medium" priority groundwater basins. If DWR determines that groundwater levels in all or part of a High or Medium Priority basin are not being monitored, DWR will work cooperatively with local entities to establish a monitoring program. Compliance with DWR requirements allows the basin monitoring entities to be eligible to receive State water grants or loans. The Central Basin (Basin 4-11.04) has been identified through CASGEM as a "high" priority basin and will be required to comply with specific SGMA regulations.

6.2.3 OVERDRAFT CONDITIONS

CWC 10631(b).

(2) For basins that have not been adjudicated, information as to whether the department has identified the basin or basins as overdrafted or has projected that the basin will become overdrafted if present management conditions continue, in the most current official departmental bulletin that characterizes the condition of the groundwater basin, and a detailed description of the efforts being undertaken by the urban water supplier to eliminate the long-term overdraft condition.

The City intends to produce groundwater from the Central Basin, which is an adjudicated basin as discussed in Section 6.2.2. The City is not required by DWR to complete Section 6.2.3.

⁹ http://www.water.ca.gov/groundwater/casgem/basin_prioritization.cfm



6.2.4 HISTORICAL GROUNDWATER PUMPING

CWC 10631(b).

(b) If groundwater is identified as an existing or planned source of water available to the supplier, all of the following information shall be included in the plan:

(3) A detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.

From 2009 to 2014, the City has pumped groundwater from Central Basin through one well, Well No. 1. The City did not pump groundwater in 2015. The City's historical groundwater production in the Central Basin over the past five years is shown on Table 6-1. The City plans to pump groundwater from its wells once treatment facilities are in place.

From 2004 to 2015, the City received treated groundwater through CBWQPP. Historical purchased treated groundwater from CBWQPP over the past five years is shown on Table 6-1.

According to the Central Basin Adjudication, the City has an allowed pumping allocation of 4,036 AFY. The Central Basin Adjudication allows Parties to the Judgment to pump up to 20 percent more of its annual allowed pumping allocation plus any carry-over as described in Chapter 3.2.2.1. In December 2013, the Court approved amendments to the Judgment which implement a water storage program. The amendment states, "...a party may store up to 200 percent of the party's Allowed Pumping Allocation, if space is available." In addition, the amendments allow parties to convert unused Allowed Pumping Allocation to stored water and revised the amount of



carryover to be equal to 100 percent of the party's Allowed Pumping Allocation minus the amount of carryover water set aside for storage. The purpose of the storage program creates an added reliability in water supply from the Central Basin. Based on the amendments, the City may store up to 200 percent of its Allowed Pumping Allocation of 4,036 AF, which equates to about 8,072 AF ($200\% \times 4,036 \text{ AF}$). This stored water may be used as an additional source of supply within the Central Basin.

Historical data indicate the Central Basin has been well managed for over its adjudication period, resulting in a stable and reliable water supply. There are no contemplated basin management changes, other than the planned use of recycled water for groundwater replenishment. Based on these historical and on-going management practices, the groundwater supply in the Central Basin has been reliable and the City will be able to rely on the Central Basin for adequate supply over the next 20 years under single year and multiple year droughts. Table 6-1 describes the total water produced by the City from Central Basin over the last five years.

6.3 SURFACE WATER

The City does not use surface water supplies to meet its water demands.

6.4 STORMWATER

The City does not use stormwater to meet its water demands.

6.5 WASTEWATER AND RECYCLED WATER

Recycled water is used within the City's service area for landscape irrigation at City parks, schools, athletic fields, roadway medians, and business complexes, as well as industrial purposes, including carpet manufacturing, concrete mixing, and cooling



tower use. Table 6-4 summarizes current and projected recycled water use within the City from 2015 to 2040. The following sections provide a description of the City's current recycled water use and its plans to expand the use of recycled water as a source of water supply over the next 25 years.

6.5.1 RECYCLED WATER COORDINATION

CWC 10633.

The plan shall provide, to the extent available, information on recycled water and its potential for use as a water source in the service area of the urban water supplier. The preparation of the plan shall be coordinated with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area...

The City is a member agency of CBMWD, which provides recycled water produced from Los Angeles County Sanitation Districts' (LACSD) Los Coyotes Water Reclamation Plant (LCWRP) in Cerritos and San Jose Creek Water Reclamation Plant (SJCWRP) in Whittier. CBMWD has developed a recycled water program within its service area to provide direct delivery of recycled water to serve non-potable demands, thereby offsetting reliance on imported water supplies. CBMWD continues to expand its recycled water system, as discussed in its 2015 Plan which is incorporated by reference. The City has coordinated the preparation of its 2015 Plan with CBMWD.



6.5.2 WASTEWATER COLLECTION, TREATMENT, AND DISPOSAL

CWC 10633(a).

(Describe) the wastewater collection and treatment systems in the supplier's service area, including a quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.

CWC 10633(b).

(Describe) the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.

Wastewater from the City's service area is collected and treated in the LACSD's LCWRP and Long Beach Water Reclamation Plant (LBWRP). LCWRP and LBWRP also receive wastewater from other cities served by LACSD. Table 6-2 shows the wastewater collected and treated within the City's service area. No wastewater is disposed of within the City's service area.

LCWRP, which began operation in 1970, has a current design capacity of 37.5 MGD. LCWRP plant serves a population of approximately 370,000 people. The method of disposal when treated recycled water is not used (non-recycled) is discharge to the San Gabriel River and eventually flows to the ocean.

LBWRP, which began operation in 1973, is located in Long Beach, California and has a current design capacity of 25 MGD. The LBWRP plant serves a population of approximately 250,000 people. The method of disposal when treated recycled water is not used (non-recycled) is discharge to Coyote Creek, a tributary of the San Gabriel River that flows to the ocean.



LACSD estimates approximately 60 gallons of wastewater is generated per person per day within LACSD's service area. Based on the City's 2015 population of 14,700 within its service area, the estimated volume of residential wastewater generated and collected in 2015 is approximately 990 AF, as shown in Table 6-2.

6.5.3 RECYCLED WATER SYSTEM

Section 10633

(c) (Describe) the recycled water currently being used in the supplier's service area, including, but not limited to, the type, place, and quantity of use

Recycled water use within the City began in 1992 when CBMWD completed construction of the Century recycled water distribution system (Century system). Recycled water delivered to the City is part of the Century system, which delivers recycled water from LCWRP and SJCWRP. Recycled water use within the City's service area is used in industry (carpet manufacturing, cooling towers, and concrete mixing) and for irrigation at the City's parks (Heritage Park, Lake Center Park, Lakeview Park, Little Lake Park, and Los Nietos Park), athletic fields, schools, roadway medians, business park landscaping, and along the California Department of Transportation freeways and highways. Current recycled water demand within the City's service area is shown on Table 6-4.



6.5.4 RECYCLED WATER BENEFICIAL USES

Section 10633

- (d) A description and quantification of the potential uses of recycled water, including, but not limited to, agricultural irrigation, landscape irrigation, wildlife habitat enhancement, wetlands, industrial reuse, groundwater recharge, indirect potable reuse, and other appropriate uses, and a determination with regard to the technical and economic feasibility of serving those uses.*
- (e) The projected use of recycled water within the supplier's service area at the end of 5, 10, 15 and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected pursuant to this subdivision*

Section 10633

- (e) (Provide) a description of the actual use of recycled water in comparison to uses previously projected pursuant to this subdivision.*
-

As shown in Table 6-4 and previously discussed in Section 6.5.3, the City has several recycled water connections within its service area to deliver recycled water to its customers. Recycled water use within the City's service area is used in industry (carpet manufacturing, cooling towers, and concrete mixing) and for irrigation at City parks (Heritage Park, Lake Center Park, Lakeview Park, Little Lake Park, and Los Nietos Park), athletic fields, schools, roadway medians, business park landscaping, and along the California Department of Transportation freeways and highways. The City continues to retrofit landscape irrigation systems to use recycled water where available. The City has continued to add pipelines connecting to the CBMWD distribution system since 1992. In 2015, industrial use of recycled water has accounted for approximately 40 percent of the City's total recycled water use.



Projected recycled water demand within the City's service area is shown on Table 6-4. The City's actual use of recycled water in 2015 was 939 AF, while the 2010 Plan had projected a recycled water use of 779 AF for 2015, as shown in Table 6-5.

6.5.5 ACTIONS TO ENCOURAGE AND OPTIMIZE FUTURE RECYCLED WATER USE

Section 10633

- (f) *(Describe the) actions, including financial incentives, which may be taken to encourage the use of recycled water, and the projected results of these actions in terms of AF of recycled water used per year.*
 - (g) *(Provide a) plan for optimizing the use of recycled water in the supplier's service area, including actions to facilitate the installation of dual distribution systems, to promote recirculating uses, to facilitate the increased use of treated wastewater that meets recycled water standards, and to overcome any obstacles to achieving that increased use.*
-

The City's recycled water is provided by CBMWD. In June 2008, CBMWD prepared a "Recycled Water Master Plan Update" report which identified potential recycled water customers within CBMWD's service area. The Recycled Water Master Plan Update report also provided details of a proposed Capital Improvement Program for the expanded recycled water system, including prioritization of projects and capital requirements. As a member agency of CBMWD, the City has the advantage of receiving financial assistance for plumbing retrofits necessary to receive recycled water. CBMWD advances funds for the necessary plumbing retrofits, which are then reimbursed. In addition, CBMWD offers recycled water at a lower rate and the savings are passed on to City customers with non-potable water demands. CBMWD also promotes the use of recycled water within its system as a more reliable water source than imported water.



The City does not have a recycled water program, but CBMWD's recycled water program is available to customers of the City. Additional details on CBMWD's recycled water program are available in CBMWD's 2015 Plan which is incorporated by reference.

6.6 DESALINATED WATER OPPORTUNITIES

Section 10631(h)

Describe the opportunities for development of desalinated water, including, but not limited to, ocean water, brackish water, and groundwater, as a long-term supply.

The City does not have opportunities to incorporate desalinated water into its supply. Based on the City's 2015 Consumer Confidence Report (CCR), the average Total Dissolved Solids (TDS) concentrations for the Central Basin groundwater is 550 milligrams per liter (mg/l), which is less than the secondary Maximum Contaminant Level (MCL) of 1,000 mg/l. Consequently, the City has not needed to investigate the use of desalination to develop or reestablish a new long-term supply. However, there may be opportunities for use of desalinated ocean water as a potential water supply source in the future, through coordination with other agencies that have ocean desalination programs.

6.7 EXCHANGES OR TRANSFERS

Section 10631(d)

Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.



6.7.1 EXCHANGES

The City does not have any current or planned water exchanges.

6.7.2 TRANSFERS

The City does not anticipate any current or planned water transfers.

6.7.3 EMERGENCY INTERTIES

Emergency interconnections are distribution system interconnections between water agencies for use during critical situations where one system or the other is temporarily unable to provide sufficient potable water to meet its water demands and/or fire protection needs. An emergency interconnection will allow a water system to continue serving water during critical situations such as local water supply shortages as a result of earthquakes, fires, prolonged power outages, and droughts.

The City has an emergency interconnection with the City of Whittier which serve as short-term emergency exchange opportunities. This is a 6-inch connection that consists of a 6-inch pressure-reducing valve tied to an 8-inch main and is capable of providing up to 2,200 gallons per minute (gpm). This emergency source would be chlorinated through an existing 2-inch tap by using one of the City's portable chlorination units.



6.8 FUTURE WATER PROJECTS

Section 10633

- (g) ...The urban water supplier shall include a detailed description of expected future projects and programs... that the urban water supplier may implement to increase the amount of the water supply available to the urban water supplier in average, single-dry, and multiple-dry water years. The description shall identify specific projects and include a description of the increase in water supply that is expected to be available from each project. The description shall include an estimate with regard to the implementation timeline for each project or program.
-

As discussed in Section 6.2, the City has not pumped any groundwater from its wells since 2014 due to water quality issues. The City plans to install a water treatment facility to treat iron, manganese, hydrogen sulfite and color at its Well No. 12. The proposed treatment facility is currently in the planning stages and is scheduled to start fiscal year 2017-18. With treatment, the City's groundwater pumping capacity in the Central Basin will be approximately 2,000 gpm (see Table 6-7) The City is also conducting a new well siting study for two new wells in its Zone I pressure zone.

6.9 SUMMARY OF EXISTING AND PLANNED SOURCES OF WATER

Section 10631

- (b) Identify and quantify, to the extent practicable, the existing and planned sources of water available to the supplier over the same five-year increments described in subdivision 10631(a).
- (4) (Provide a) detailed description and analysis of the amount and location of groundwater that is projected to be pumped by the urban water supplier. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.
-



As discussed in Chapter 6, the City's water supply sources include treated imported water, treated local groundwater through CBWQPP, local groundwater pumped from its wells and recycled water supply sources. The actual quantities of the water supply sources available to the City in 2015 are summarized in Table 6-8. The reliable quantities of projected water supply sources available to the City in five-year increments through 2040 during average years are summarized in Table 6-9.

6.10 CLIMATE CHANGE IMPACTS TO SUPPLY

The California Water Code does not require the City to address climate change. However, as discussed in Section 3.3.1, GWMA's 2013 IRWMP addresses baseline climate conditions and the potential quantitative effect of climate change on the Gateway Region, including effects on local water supplies and demands and imported water supplies. The 2013 GWMA IRWMP is incorporated in the City's 2015 by reference.

A discussion on single-dry year and multiple dry years is provided in Section 7.2 and a discussion on potential impacts to basin management practices is provided in Section 6.2. A discussion regarding the regional impacts of climate change on demand and supply are provided in MWD's 2015 Plan, which is incorporated by reference.



CHAPTER 7

WATER SUPPLY RELIABILITY ASSESSMENT

7.1 CONSTRAINTS ON WATER SOURCES

Section 10631(c)

(2) For any water source that may not be available at a consistent level of use, given specific legal, environmental, water quality, or climatic factors, describe plans to supplement or replace that source with alternative sources or water demand management measures, to the extent practicable.

Section 10634

The plan shall include information, to the extent practicable, relating to the quality of existing sources of water available to the supplier over the same five-year increments as described in subdivision (a) of Section 10631, and the manner in which water quality affects water management strategies and supply reliability.

When the City had water quality issues at its wells and ceased groundwater production in 2014, the City was able to meet its demands by using other water supply sources from treated imported water from MWD, treated groundwater from the CBWQPP and recycled water from CBMWD. Consequently, the City did not experience water supply constraints or deficiencies in order to meet its demands. In addition, the City plans to construct a treatment facility at its Well No. 12 to treat iron, manganese, hydrogen sulfite and color and will be able to have treated groundwater as a water supply source starting in fiscal year 2017-18. The quality of the CBWQPP, imported water supply from MWD, and treated groundwater supply from Well No. 12 is discussed below.



7.1.1 TREATED GROUNDWATER FROM CBWQPP

The City receives treated groundwater from the CBWQPP. CBWQPP is approved by SWRCB-DDW. All water delivered to the City's customers meets SWRCB-DDW guidelines and is not expected to change over the next 20 years. A copy of the City's 2015 Consumer Confidence Report is provided in Appendix J.

7.1.2 IMPORTED WATER FROM MWD

Imported water from MWD is delivered to the City by CBMWD. MWD's water quality meets all state and federal water quality standards. Water quality plays a vital role in MWD's availability of a useful water supply. Water quality affects the reliability of groundwater storage, recycled water and impacts the CALFED Bay-Delta. To the extent possible, MWD responds to water quality concerns by concentrating on protecting the quality of the source water and developing water management programs that maintain and enhance water quality. As discussed in MWD's 2015 Regional Plan, MWD anticipates no significant reductions in water supply availability from these sources due to water quality concerns. MWD's efforts and water quality data are explained in its 2015 Regional Plan, which is incorporated by reference.

7.1.3 TREATED GROUNDWATER PRODUCED FROM CITY WELL NO. 12

In 2015, the City did not produce groundwater from its City wells, which are located in the Central Basin. The City encountered VOCs exceeding MCLs at Well No. 1 in 2014. The City has encountered arsenic concentrations exceeding the MCL at Well No. 2 since 2002. The City has also encountered water quality issues at Well No. 12. The City plans to install a treatment system facility at its Well No. 12 to iron, manganese, hydrogen sulfite and color and provide treated potable water to its



customers. With the installation of the treatment facility at its Well No. 12, treated groundwater supply will provide a reliable source of water for the City for the next 20 years.

7.2 RELIABILITY BY TYPE OF YEAR

Section 10631(c)

- (1) Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage, to the extent practicable, and provide data for each of the following:*
- (a) an average water year,*
 - (b) a single dry water year,*
 - (c) multiple dry water years.*
-

Information regarding the reliability of the groundwater supplies from Central Basin is based on historical rainfall data in the vicinity of the City's service area (See Appendix E), which results in stormwater which is used to replenish the groundwater basins, and past data on the availability of water supply to meet demands during seasonal or climatic shortage. As discussed in Section 3.3, the annual average rainfall in the vicinity of the City's service area is about 13.74 inches. Therefore, calendar year 2010 (water year 2009-10) represents an average year for the City in which the total amount of rainfall was about 16.8 inches. A single dry year for the City was represented in calendar year 2012 (water year 2011-12) in which the total amount of rainfall was about 7.34 inches. A multiple dry year sequence for the City is represented from calendar years 2012 to 2014 (water years 2011-12, 2012-13, and 2013-14), where the total amount of rainfall was about 7.34 inches, 5.01 inches, and 6.04 inches, respectively. Table 7-1 summarizes these "base years" for average, single dry, and multiple dry years and provides the total amount of water supplies available to the City during those base years.



7.2.1 TYPES OF YEARS

The City's base years for average, single dry, and multiple dry years are provided in Section 7.2 and are summarized in Table 7-1. As indicated in Chapter 6, the City's purchased water and groundwater supplies were sufficient in meeting the City's historical water demands under all base years, including during normal, single, and multiple dry years. A normal or average year was based on a year during the past 20 years with a total precipitation similar to the historical average precipitation in the vicinity of the City's service area. Because a single dry year or a multiple dry year period will not compromise the City's ability to provide a reliable supply of water to its customers, a single dry year in this Plan was selected based on the first year of a multiple dry year period during the past 20 years. The multiple dry year period was based on a period of three consecutive dry years during the past 20 years.

7.2.2 AGENCIES WITH MULTIPLE WATER SOURCES

As discussed in Section 7.3 and shown in Table 7-2, Table 7-3, and Table 7-4, a single dry year or a multiple dry year period will not compromise the City's ability to provide a reliable supply of water to its customers.

7.3 SUPPLY AND DEMAND ASSESSMENT

Section 10635

- (a) *Every urban water supplier shall include, as part of its urban water management plan, an assessment of the reliability of its water service to its customers during normal, dry, and multiple dry water years. This water supply and demand assessment shall compare the total water supply sources available to the water supplier with the total projected water use over the next 20 years, in five-year increments, for a normal water year, a single dry water year, and multiple dry water years. The water service reliability assessment shall be based upon the information compiled pursuant to*



Section 10631, including available data from state, regional or local agency population projections within the service area of the urban water supplier.

As previously discussed, the City's projected normal year water demands over the next 26 years in five-year increments were based on the City's 2020 Urban Water Use Target of 101 GPCD. The Urban Water Use Target Goals and City's expected demands were then applied to estimate the City's projected normal year demands in 2015, 2020, 2025, 2030, 2035, and 2040 as shown in Table 4-3. The City's projected normal year supplies in 2015, 2020, 2025, 2030, 2035, and 2040 were based on the reliability of supply in the Central Basin, as discussed in Section 6.9 and shown on Table 4-3. The City will continue to use groundwater and recycled water as its future water supplies through 2040. Table 7-2, Table 7-3, and Table 7-4 summarize the City's projected water demands and supplies over the next 25 years in five-year increments, including during normal, single, and multiple dry years. These tables indicate the City can meet water demands during normal, single dry, and multiple dry years over the next 25 years.

7.4 REGIONAL SUPPLY RELIABILITY

Section 10620

(f) An urban water supplier shall describe in the plan water management tools and options used by that entity that will maximize resources and minimize the need to import water from other regions.

As discussed in Section 6.2.2, Central Basin has been adjudicated and is well managed. The successful management of the reduction in groundwater withdrawals by the Central Basin Judgment, combined with the spreading program and the guaranteed minimum inflow from the Main Basin (see Section 4.2.1.1), resulted in recovery of water



levels in wells throughout the Central Basin. In each drought cycle the Central Basin has been managed to maintain water levels. Therefore, based on historical and on-going management practices, the City will be able to rely on the Central Basin for adequate supply over the next 20 years under single year and multiple year droughts.

Chapter 6 provides a description of the management of groundwater resources in the Central Basin, as well as information on basin management. Chapter 6 also demonstrates that the management structure of Central Basin provides a reliable source of groundwater supply for the City during average, single-dry and multiple-dry water years. Historical data indicates Central Basin has been well managed through its adjudication, resulting in a stable and reliable water supply. There are no contemplated basin management changes, other than increasing direct use of recycled water (see Section 6.5). Therefore, the groundwater supplies in the Central Basin are deemed reliable.



CHAPTER 8

WATER SHORTAGE CONTINGENCY PLAN

Section 10632

- (a) The plan shall provide an urban water shortage contingency analysis that includes each of the following elements that are within the authority of the urban water supplier.*
-

The City adopted Resolution No. 5592 on September 12, 1991, which established an Emergency Water Conservation Plan (see Appendix H). The Emergency Water Conservation Plan is to be implemented when a water shortage emergency exists.

8.1 STAGES OF ACTION

Section 10632(a)

- (1) Stages of action to be undertaken by the urban water supplier in response to water supply shortages, including up to a 50 percent reduction in water supply, and an outline of specific water supply conditions which are applicable to each stage.*
-

The City must provide the minimum health and safety water needs of the community at all times. During water shortage emergencies, the City will implement its Water Shortage Contingency Plan, Resolution No. 5592 (see Appendix H), which can impose up to a 50 percent mandatory reduction in water use. The City will also work in conjunction with MWD to implement water shortage plans and supply allocations on a regional level. The City's potable water sources are local groundwater, treated



groundwater from CBWQPP, treated imported water from MWD and recycled water. Rationing stages may be triggered by a shortage in one source or a combination of sources, and water supply shortages may trigger a stage at any time. As noted in Resolution No. 5592, a Stage (Phase) I water supply shortage triggers up to a 10 percent reduction in water use. Stages (Phases) II through V water supply shortage triggers up to a 10 to 50 percent reduction in water use.

Table 8-1 provides a description of the stages of action which may be triggered by a shortage in one or more of the City's water supply sources, depending on the severity of the shortage and its anticipated duration.

8.2 PROHIBITIONS ON END USES

Section 10632(a)

- (4) *Additional, mandatory prohibitions against specific water use practices during water shortages, including, but not limited to, prohibiting the use of potable water for street cleaning*
 - (5) *Consumption reduction methods in the most restrictive stages. Each urban water supplier may use any type of consumption reduction methods in its water shortage contingency analysis that would reduce water use, are appropriate for its area, and have the ability to achieve a water use reduction consistent with up to a 50 percent reduction in water supply.*
-

In 2015, the City declared a Stage I water shortage and passed Ordinance No. 1065, which requires certain reduction measures to be imposed on all water users in the City. In accordance with the City's Ordinance No. 1065 (see Appendix L), water use restrictions are enacted during times of water supply shortage. Restrictions are based on severity of shortage include, but are not limited to, the following:



- Limits on watering days
- No washing down of driveways and sidewalks
- Limits on filling ornamental lakes/ponds
- Establishment of water allocations, including penalty rates for water used above an allocation (beginning Stage 2)

As the water purveyor, the City must provide the minimum health and safety water needs within its service area at all times. The water shortage response is designed to provide a minimum of fifty percent (50%) of normal supply during a severe or extended water shortage. The various consumption reduction methods undertaken by the City are included in Table 8-2.

8.2.1 LANDSCAPE IRRIGATION

- The application of potable water to outdoor landscapes in a manner that causes runoff is prohibited.
- The application of potable water to outdoor landscapes during and within 48 hours after measurable rainfall is prohibited.
- The irrigation with potable water of ornamental turf on public street medians is prohibited. The irrigation with potable water of landscapes outside of newly constructed homes and buildings in a manner inconsistent with regulations or other requirements established by the California Building Standards Commission and the Department of Housing and Community Development.
- Outdoor irrigation of ornamental landscapes or turf with potable water is limited to no more than two days per week, no more than 10 minutes per area.
- Residential and commercial landscape areas shall not be watered between the hours of 8:00 a.m. and 8:00 p.m.



- Properties located north of Lakeland Road may only be watered on Mondays and Thursdays. Properties located south of Lakeland Road may only be watered on Tuesdays and Fridays.

8.2.2 COMMERCIAL, INDUSTRIAL, AND INSTITUTIONAL (CII)

- To promote water conservation, operators of hotels and motels shall provide guests with the option of choosing not to have towels and linens laundered daily.
- Restaurants or other public places where food is served or offered for sale, shall not serve drinking water to any customer, unless expressly requested.

8.2.3 SWIMMING POOLS

Under the City's Water Conservation Plan, there is no prohibition on swimming pools.

8.2.4 DEFINING WATER FEATURES

Section 10632

- (b) Commencing with the urban water management plan update due July 1, 2016, for purposes of developing the water shortage contingency analysis pursuant to subdivision (a), the urban water supplier shall analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas, as defined in subdivision (a) of Section 115921 of the Health and Safety Code.*

Health and Safety Code Section 115921

As used in this article the following terms have the following meanings: (a) "Swimming pool" or "pool" means any structure intended for swimming or recreational bathing that contains water over 18 inches deep. "Swimming pool" includes in-ground



and aboveground structures and includes, but is not limited to, hot tubs, spas, portable spas, and non-portable wading pools.

Water shall not be used to clean, fill or maintain levels in decorative fountains, unless a re-circulating system is used.

8.2.5 OTHER

- There shall be no hose washing of walkways, driveways, or parking areas except as needed for sanitary or safety purposes.
- Water hoses used to wash motor vehicles must be fitted with a shut-off nozzle.
- All water leaks shall be promptly repaired.
- No water customer shall use water contrary to the provisions stated above.
- For Stages II through V, no water customer or user shall use or permit the use of water from the City in an amount in excess of the following projected reductions of the corresponding billing period of the historic base period.

8.3 PENALTIES, CHARGES, OTHER ENFORCEMENT OF PROHIBITIONS

Section 10632(a)

(6) Penalties or charges for excessive use, where applicable.

The City imposes the following penalties, in ascending order:

- Written notice to the customer on or with the current water bill;



- A surcharge of 10% of the total water bill, charged in addition to the regular water charges;
- In addition to the regular rate, a minimum over usage charge of \$1.25 per 100 cubic feet of water used over the target quantity;
- In addition to the regular rate, a minimum over usage charge of \$2.00 per 100 cubic feet of water used over the target quantity;
- In addition to the regular rate, a minimum over usage charge of \$4.00 per 100 cubic feet of water used over the target quantity shall be charged;
- In addition to the regular rate, a minimum over usage charge of \$10 per 100 cubic feet of water used over the target quantity shall be charged;
- The taking of any action prohibited by the City restrictions is an infraction, punishable by a fine as set forth in Section 36900 of the California Government Code, not to exceed \$500 for each day in which the violation occurs.

For a third or subsequent failure to comply with the water restrictions, the City may install a flow restricting device at a customer's water service connection. Tampering or removal of a flow restricting device may result in water service discontinuation. Each of these penalties results following a notice of subsequent violation and failure to comply, when the City is in Stage II through Stage V.

8.4 CONSUMPTION REDUCTION METHODS

Section 10632(a)

(5) Consumption reduction methods in the most restrictive stages. Each urban water supplier may use any type of consumption reduction methods in its water shortage contingency analysis that would reduce water use, are appropriate for its area, and



have the ability to achieve a water use reduction consistent with up to a 50 percent reduction in water supply.

During more restrictive stages of water shortage (Stages II through V), the City's consumption reduction methods include graduated percentage reductions in hospitals, convalescent homes, schools, hotels and motels, oil field injectors and all other water service customers, as shown below.

Customer Group	Maximum Allowable Percentages of Base Period			
	Stage II	Stage III	Stage IV	Stage V
Hospitals	100	100	95	90
Convalescent Homes	100	100	95	90
Schools	100	100	100	90
Hotels and Motels	90	90	90	85
Oil Field Injectors	80	75	70	65
All Other Customers	90	90	90	80

8.4.1 CATEGORIES OF CONSUMPTION REDUCTION METHODS

The City's consumption reduction methods are provided in Table 8-3. These consumption reduction methods include offering water use surveys, provide rebates on plumbing fixtures and devices, reduce system water loss, and expand public information campaign.



8.5 DETERMINING WATER SHORTAGE REDUCTIONS

Section 10632(a)

(9) A mechanism for determining actual reductions in water use pursuant to the urban water shortage contingency analysis.

The City may use one or more of the following measures to determine actual reductions in water consumption:

- Establish a normalized/averaged water use baseline
- Review water production on a more frequent basis
- Read customer meters on a more frequent basis
- Perform leak detections and repair on a more frequent basis
- Perform meter checking and repair on a more frequent basis
- Perform periodic water system audits
- Continue monitor utility actions
- Continue enforcing penalties for violations

The City measures and determines reductions in water use by using SWRCB's Drought Response Tool pursuant to SWRCB's [Executive Order](#) B-29-15. Beginning October 2014, urban water suppliers were required to estimate and report the number of gallons of water per person per day used by residential customers it serves using the tool for submitting monthly water production data. The Drought Response Tool allows the City to calculate residential GPCD on a monthly basis for comparison with the City's baseline year 2013, which is set by the SWRCB.



8.6 REVENUE AND EXPENDITURE REPORTS

Section 10632(a)

(7) An analysis of the impacts of each of the actions and conditions described in paragraphs (1) to (6), inclusive, on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts, such as the development of reserves and rate adjustments.

8.6.1 DROUGHT RATE STRUCTURE AND SURCHARGES

The City's source of revenue is 1) user service charges, which consist of monthly fixed water meter charges based on meter size and fire service; 2) a consumption charge per unit of water consumed; 3) a reclaimed water rate; 4) a City facility rate; and 5) a senior citizen lifeline rate. The monthly fixed meter charge is sufficient to meet about 50 percent of the City's fixed expenses. The revenue from the consumption charge is designed to be sufficient to fund the remaining 50 percent of the fixed expenses plus all of the variable expenses associated with the cost of water. In addition, the City's consumption charge is based on 5 tiers of water uses and rates designed to promote water conservation. The current water rates are provided in Appendix M.

8.6.2 USES OF FINANCIAL RESERVES

The City maintains financial operating reserves, which may be used for water system expenditures to make up for unanticipated shortfalls in water revenue as the result of reduced water sales.



8.7 RESOLUTION OR ORDINANCE

Section 10632(a)

(8) A draft water shortage contingency resolution or ordinance.

In 1991, Santa Fe Springs' City Council adopted Resolution No. 5592, establishing an Emergency Water Conservation Plan (Appendix K). On May 28, 2015, the City passed Ordinance No. 1065, which updated and implemented water conservation regulations (Appendix L).

8.8 CATASTROPHIC SUPPLY INTERRUPTION

Section 10632(a)

(3) Actions to be undertaken by the urban water supplier to prepare for, and implement during, a catastrophic interruption of water supplies including, but not limited to, a regional power outage, an earthquake, or other disaster.

A water shortage emergency could be a catastrophic event such as result of drought, failures of transmission facilities, a regional power outage, earthquake, flooding, supply contamination from chemical spills, or other adverse conditions.

In the event of a catastrophic supply interruption, the City will implement a water shortage contingency plan which is included and within the Urban Water Management Plan and updated every five years. This plan includes specific supplier actions designed to minimize the impacts of supply interruption in the City's service area. Below shows possible catastrophe and an action summary.



Possible Catastrophe: *Regional Power Outage.* The City continuously trains employees to execute the Emergency Response Plan for such a catastrophe. The City has a list of trained personnel that can transport to, connect, and operate an emergency standby generator at a well site to maintain a water supply to the City.

Possible Catastrophe: *Earthquake.* Expect MWD to use free-chlorine instead of chloramines for disinfection as stated May 25, 1993. The City receives notification of the chlorination change via Member Agency Response System (MARS) or by telephone within eight hours of the earthquake.

The City continuously trains employees to execute the Emergency Response Plan for such a catastrophe. The City has portable chlorinators that can be installed at the well sites. The City maintains these units in its current equipment inventory. The City has a list of State-Certified water treatment operators to operate and adjust the chlorinators after notification to chlorinate by the Department of Health Services.

Possible Catastrophe: *Unknown Loss in System Pressure.* According to the City Emergency Response Plan, the City will follow four necessary steps prior to a public notification program:

1. Determine the reasons for loss in system pressure. A survey of the system should reveal the cause, such as a break in a main, reservoir, or well.
2. Take appropriate action to reduce loss of water supply. Shut down appropriate facilities and/or close distribution system valves. Each valve that is closed shall be logged on the Emergency Valve Closure Log.
3. Define the type of potential contamination that may occur and identify possible sources.



4. Determine the area that is potentially affected by the problem.

After the above steps have been completed, sampling locations will be selected to verify that contamination has occurred. Notification of relevant agencies will occur prior to public notification process.

Possible Catastrophe: *Unknown Event that Requires that the Entire Water System be Disinfected at a Rate of 5mg/L.* City source water and stored water will be chlorinated in the following manner:

Well #2

This is an electrically operated well that produces a maximum of approximately 1,900 gallons-per-minute directly into the distribution system. This well is equipped with redundant chlorine metering pumps and an on-site 500 gallon chlorine storage tank. The City will fill and draw from this tank on site and maintain a minimum of 200 gallons of 12.5% sodium hypochlorite. The existing chlorination system is capable of chlorination to 5 mg/L.

Well #12

This is an electrically operated well that produces a maximum of approximately 2,000 gallons-per-minute directly into the distribution system. This well is equipped with redundant chlorine metering pumps and an on-site 300 gallon chlorine storage tank. The City can fill and draw from this tank on site and maintain a minimum of 200 gallons of 12.5% sodium hypochlorite. The existing chlorination/chloramination system is capable of chlorination to 5 mg/L.

Reservoir #1

This is a 4-million gallon above-ground water storage reservoir. It loads through a 12" pressure sustaining control valve and discharges via a natural gas booster pump



or an emergency standby diesel booster directly into the distribution system. This reservoir is equipped with redundant chlorine metering pumps and an on site 600 gallon chlorine storage tank. The City will fill and draw from this tank on site and maintain a minimum of 300 gallons of 12.5% sodium hypochlorite. The chlorination system is capable of raising the chlorine level to 5 mg/L in the reservoir. The reservoir can be also chlorinated to 5 mg/L with 65% calcium hypochlorite granules through hand holes in the top of the tank.

Reservoir #2

This is a 4-million gallon above-ground water storage reservoir. It loads through a 12" pressure sustaining control valve and discharges via a natural gas booster pump or an emergency standby diesel booster directly into the distribution system. The reservoir is equipped with a chloramination system consisting of chemical metering pumps tied into a 3" bypass valve and a water circulation piping grid on the bottom of the tank. This system is capable of raising the chlorine level to 5 mg/L with 12% sodium hypochlorite supplied by 55 gallon DOT approved drums delivered by trailer. The reservoir can be also chlorinated to 5 mg/L with 65% calcium hypochlorite granules through hand holes in the top of the tank.

Whittier Connection

This is a 6" connection that consists of a 6" pressure-reducing valve tied to an 8" main and is capable of providing up to 2,200 GPM. This source would be chlorinated to 5 mg/L through an existing 2" tap by using one of the City's portable chlorination units.

Metropolitan Water District Connection #30

This connection is a 12" pressure-reducing valve tied to a 96" MWD water main which yields 10 CFS maximum.



Metropolitan Water District Connection #42

This connection is a 12" and a 6" pressure-reducing valve tied to a 96" MWD water main which yields 16 CFS maximum. This connection would not be used unless absolutely necessary, and would be dependent upon the scope of the causative incident, the level and type of disinfection being employed by MWD at the time, and the demands upon the City's water system. If this "connection were to be used, the City would have to limit the water flow to the chlorinating capacity of the portable chlorination units. The City would chlorinate to 5 mg/L through an existing 1" tap. A 24-hour manned operation would be established to maintain water flow at a fixed rate.

Portable Chlorination Units

The City currently has one portable chlorination unit which consists of two 100 GPD, 100 psi metering pumps, and a 1 HP booster pump all connected together. The trailer contains multiple 55 gallon DOT approved chemical drums. The City is in the process of assembling at least two more portable units that will not include a booster pump.

Chlorination Chemicals

As previously stated, the City's two operational wells are equipped with 500 gallon chlorine storage tanks. These tanks are refilled by Univar before the chlorine level falls below 200 gallons. The City also maintains a 600 gallon sodium hypochlorite tank at the Municipal Services Yard to supply the 4MG reservoir. This tank is kept at least half-full and could be used to fill DOT approved drums for distribution to other locations in case of an emergency. Univar is also available to make emergency deliveries of chemicals citywide. Additionally, the City also maintains a minimum of 500 pounds of calcium hypochlorite at the Aquatic Center that could be used for water system chlorination in emergencies.



8.9 MINIMUM SUPPLY NEXT THREE YEARS

Section 10632(a)

- (2) An estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency's water supply.*
-

As discussed in Section 7.3, the City experienced multiple dry years from 2012 to 2014. The minimum water supply available during each of the next three water years based on the driest three-year historical sequence (2012 to 2014) for the City's water supply is provided in Table 8-4.



CHAPTER 9

DEMAND MANAGEMENT MEASURES

The City is committed to implementing water conservation programs and works collaboratively with CBMWD to provide water conservation programs for the City's customers. As a member of CBMWD, the City's residents have the benefit of participating in CBMWD's conservation efforts. CBMWD offers an extensive program throughout its service area and is a signatory to the Memorandum of Understanding regarding Urban Water Conservation in California (MOU) and is therefore a member of the California Urban Water Conservation Council (CUWCC). Although the City did not sign the MOU regarding Urban Water Conservation in California and is not a member of the CUWCC, the City takes advantage of its relationship with CBMWD as a member agency. The following sections describe the City's implementation of the Demand Management Measures (DMMs) required in the UWMP Act.

9.1 DEMAND MANAGEMENT MEASURES FOR WHOLESALE AGENCIES

Section 10632(a)

(f) Provide a description of the (wholesale) supplier's water demand management measures. This description shall include all of the following:

(1)(B) The narrative pursuant to this paragraph shall include descriptions of the following water demand management measures:

- (ii) Metering.*
- (iv) Public education and outreach.*
- (vi) Water conservation program coordination and staffing support.*
- (vii) Other demand management measures that have a significant impact on water use as measured in gallons per capita per day, including innovative measures, if implemented.*

(2) For an urban wholesale water supplier, as defined in Section 10608.12, (provide) a narrative description of the items in clauses (ii), (iv), (vi), and (vii) of subparagraph



(B) of paragraph (1), and a narrative description of its distribution system asset management and wholesale supplier assistance programs.

The City is not a wholesale agency and is not required by DWR to complete Section 9.1.

9.2 DEMAND MANAGEMENT MEASURES FOR RETAIL AGENCIES

Section 10631(f)

- (A) The narrative shall describe the water demand management measure that the supplier plans to implement to achieve its water use targets pursuant to Section 10608.20.*
- (B) The narrative pursuant to this paragraph shall include descriptions of the following water demand management measures:*
- (i) Water waste prevention ordinances.*
 - (ii) Metering.*
 - (iii) Conservation pricing.*
 - (iv) Public education and outreach.*
 - (v) Programs to assess and manage distribution system real loss.*
 - (vi) Water conservation program coordination and staffing support.*
 - (vii) Other demand management measures that have a significant impact on water use as measured in gallons per capita per day, including innovative measures, if implemented.*
-

9.2.1 WATER WASTE PREVENTION ORDINANCES

The City Council passed Resolution No. 5592 on September 12, 1991 establishing an emergency water conservation plan (see Appendix K). The City Council passed Ordinance No. 1065 on May 28, 2015, which implemented water conservation regulations (see Appendix L). As discussed in Section 8.2, measures to prevent water waste include landscape irrigation during specified hours and days, laundry options at



lodging establishments, use of recirculated water in decorative water features, and prohibition of washing down hard or paved surfaces.

9.2.2 METERING

CWC 526

- (a) *Notwithstanding any other provisions of law, an urban water supplier that, on or after January 1, 2004, receives water from the federal Central Valley Project under a water service contract or subcontract... shall do both of the following:*
- (1) *On or before January 1, 2013, install water meters on all service connections to residential and nonagricultural commercial buildings... located within its service area.*

CWC 527

- (a) *An urban water supplier that is not subject to Section 526 shall do both the following:*
- (1) *Install water meters on all municipal and industrial service connections located within its service area on or before January 1, 2025.*
-

The City is fully metered for all connections within its service area. Water service charges for the City are based on the customers' connection size. Section 9.2.3 provides greater detail about the City's fees and conservation pricing. In addition, the City requires a separate meter and an appropriate backflow device for each service line (i.e. fire, landscape, and domestic use) in new developments.

9.2.3 CONSERVATION PRICING

As discussed in Section 8.6.1, the City utilizes a water rate structure that provides financial incentives for customers to conserve water. The water rate structure includes a meter service charge, tiered commodity charge, and a fire line charge. The service charge is a fixed charge based on the size of the customer's connection. The



fire line charge is also a fixed charge based on the size of the customer's connection. In addition, the City utilizes tiered commodity water rates for recycled water, which are lower than potable water rates.

9.2.4 PUBLIC EDUCATION AND OUTREACH

In coordination with MWD and CBMWD, a variety of water conservation public information programs are available to the public within the City. MWD's water education programs provide free teacher workshops, classroom materials, field trips, and class instruction to schools, including water conservation related education programs. More than 20,000 people viewed student artwork from MWD's "Water is Life" Student Art and Calendar program, which stresses the importance of water conservation. MWD has an education resources website promoting its Science-Technology-Engineering-Arts-Math (STEAM) programs for pre-kindergarten through college aged students. The website hosts downloadable curriculum regarding water's critical role in society.

During fiscal year 2013-14, MWD implemented a variety of conservation and education outreach programs throughout its service area. MWD authorized \$5.5 million regional outreach campaign for conservation and water awareness in March 2014. The campaign promoted the ongoing need for conservation, including descriptions of long-term investments in water storage and development of local water resources, and the availability of rebates and incentives for turf removal and purchase of water-saving devices and appliances. MWD authorized \$5.5 million for a second multi-lingual communications, outreach and advertising campaign in March 2015. The campaign called for online, social media, streaming radio, and mobile ads, along with billboards, television commercials, and special events.

CBMWD's school educational program includes a variety of elementary and high school programs within its service area, including the City. Schools located within



CBMWD's service area can receive educational materials and handouts about water conservation and water awareness. CBMWD also provides information on its school education programs through its website links. More information about CBMWD's school education programs is provided in its 2015 Plan, which is incorporated by reference.

9.2.5 PROGRAMS TO ASSESS AND MANAGE DISTRIBUTION SYSTEM REAL LOSS

The City utilizes a water leak detection program. Inspections for leaks are made daily during meter reading by trained City Personnel including both potable and reclaimed pipelines and meters. When a leak is detected, the appropriate staff is notified and a service request is generated on the City's internal computerized service request system to provide documentation and follow up. Typically, leak repairs are made the same day.

Main line water leaks are quickly detected by an observed drop in water pressure monitored by a computerized SCADA system. The SCADA system can alert water personnel about an area that is losing normal system water pressure typically caused by a leak or ruptured pipe. These types of leaks are repaired immediately.

The City's distribution system water loss for the year 2015 was approximately 258 AF, which is a water loss of about 4 percent from the water supplied. A copy of the AWWA Audit worksheet is provided in Appendix F.



9.2.6 WATER CONSERVATION PROGRAM COORDINATION AND STAFFING SUPPORT

The City has assigned the Utility Services Manager as its Conservation Coordinator to implement conservation programs within its service area. The Conservation Coordinator works collaboratively with other cities and water agencies within the region, including MWD's Conservation Coordinator, to enhance water conservation.

CBMWD's water conservation coordinator promotes conservation programs that are available to the residents of the City. CBMWD's program started in 2003. The conservation coordinator employed by CBMWD promotes CBMWD's water conservation programs and works directly with cities and water agencies like the City on enhancing water conservation efforts. In addition, CBMWD's water conservation coordinator does research on water management practices and looks for federal, state and local funding programs that CBMWD, cities or retail water purveyors may utilize. Additional information about CBMWD's water conservation coordinator is provided in its 2015 Plan, which is incorporated by reference.

9.2.7 OTHER DEMAND MANAGEMENT MEASURES

The City currently participates in CBMWD and MWD retrofit programs and assists its customers in obtaining plumbing retrofits from CBMWD and MWD. These programs include distribution of conservation kits consisting of showerhead flow restrictors, toilet tank displacement devices, dye tablets for use in detecting toilet leaks, and brochures on conservation measures. The City also provides information to its customers about various programs available CBMWD and MWD.



The City participates in CBMWD's high-efficiency toilet (HET) (0.8 gallons per flush or less) and high-efficiency clothes washer (HECW) rebate programs and will continue to do so in the future. Residents in the City's service area can participate in CBMWD's Landscape Rotating Nozzles program that offers rebates through MWD's program for the purchase of landscape rotating nozzles for landscape irrigation. In addition, CBMWD's Synthetic Turf program offers rebates through MWD's program for replacement of the irrigated area with synthetic turf.

CBMWD also offers landscape classes to residences within its service area, including the City, to teach residents about water conservation and to reduce urban run-off. Additional information on CBMWD's water conservation programs is available in CBMWD's 2015 Plan, which is incorporated by reference.

9.3 IMPLEMENTATION OVER THE PAST FIVE YEARS

CWC 10631

(f) Provide a description of the supplier's water demand management measures. This description shall include all of the following:

(1)(A) a narrative description that addresses the nature and extent of each water demand management measure implemented over the past five years.

The City is committed to implementing water conservation programs and works collaboratively with CBMWD to provide water conservation programs for its customers. The nature and extent of DMMs implemented over the past five years is described below.



Water Waste Prevention Ordinances – As discussed in Section 9.2.1, The City Council had passed Resolution No. 5592 on September 21, 1991, which established an emergency water conservation plan. The City passed Ordinance No. 1065, implementing measures and prohibitions to prevent water waste within the City. The City Council may enact a specific stage during an emergency. During each stage, all water customers are to abide to conservation requirements as mandated by the City Council.

Metering – As discussed in Section 9.2.2, the City's existing customers are fully metered and are billed based on customer's connection size. In addition, the City requires a separate meter and an appropriate backflow device for each service line (i.e. fire, landscape, and domestic use) in new developments.

Public Education and Outreach – As discussed in Section 9.2.4, the City in coordination with MWD and CBMWD, offer a variety of water conservation public information programs are available to the public. During fiscal year 2013-14, MWD implemented a variety of conservation and education outreach programs throughout its service area. MWD authorized \$5.5 million regional outreach campaign for conservation and water awareness in March 2014. MWD authorized \$5.5 million for a second multi-lingual communications, outreach and advertising campaign in March 2015.

Programs to Assess and Manage Distribution System Real Loss – As discussed in Section 9.2.5, the City repairs main breaks, hydrant leaks or breaks, and meter leaks as they occur. A team of water service workers is available to permanently repair main or hydrant breaks, and promptly restore water service. Water meters that are identified to be leaking are investigated and repaired promptly. The City also replaces deteriorated water mains, which are quickly detected by an observed drop in water pressure monitored by a computerized SCADA system.



Water Conservation Program Coordination and Staffing Support – As described in Section 9.2.6, the City has assigned the Utility Services Manager as its Conservation Coordinator to implement conservation programs within its service area. The Conservation Coordinator works collaboratively with other cities and water agencies within the region, including MWD's Conservation Coordinator, to enhance water conservation.

Other Demand Management Measures – As discussed in Section 9.2.7, other DMMs implemented are summarized below.

- The City currently participates in CBMWD and MWD retrofit programs and assists its customers in obtaining plumbing retrofits from CBMWD and MWD. These programs include distribution of conservation kits consisting of showerhead flow restrictors, toilet tank displacement devices, dye tablets for use in detecting toilet leaks, and brochures on conservation measures.
- The City continued participation in CBMWD's HET, HECW, Landscape Rotating Nozzles and Synthetic Turf rebate program offers.

9.4 PLANNED IMPLEMENTATION TO ACHIEVE WATER USE TARGETS

CWC 10631

(f) Provide a description of the supplier's water demand management measures. This description shall include all of the following:

(1)(A) ...The narrative shall describe the water demand management measures that the supplier plans to implement to achieve its water use targets pursuant to Section 10608.20.



The City is committed to implementing water conservation programs and works collaboratively with CBMWD to provide water conservation programs for its residents. As a member of CBMWD, the City's residents have the benefit of participating in CBMWD's conservation efforts. The City and CBMWD monitor the status of water conservation and DMM programs, which include a quantitative status of some DMMs (i.e. low-flow showerhead distribution), and a qualitative status of others (public education).

As discussed in Section 5.8.1, the City's 2014-15 water use of 83 GPCD is in compliance with the 2015 Interim Target of 101 GPCD and the 2020 Target of 100 GPCD, as shown in SB X7-7 Table 9. The City met their 2015 interim target and 2020 target through the implementation of DMMs discussed in Section 9.2. Continued implementation of these DMMs will assist the City in meeting the 2020 water use targets projected in Section 5.7.

9.5 MEMBERS OF THE CALIFORNIA URBAN WATER CONSERVATION COUNCIL

CWC 10631

- (i) *For purposes of this part, urban water suppliers that are members of the California Urban Water Conservation Council shall be deemed in compliance with the requirements of subdivision (f) by complying with all the provisions of the "Memorandum of Understanding Regarding Urban Water Conservation in California," dated December 10, 2008, as it may be amended, and by submitting the annual reports required by Section 6.2 of that memorandum.*
-

The City is not a signatory to the Memorandum of Understanding regarding Urban Water Conservation in California and is therefore not a member of the California Urban Water Conservation Council (CUWCC).



CHAPTER 10

PLAN ADOPTION, SUBMITTAL, AND IMPLEMENTATION

10.1 INCLUSION OF ALL 2015 DATA

The data provided in the City's 2015 Plan is provided on a calendar year basis through December 31, 2015 (as discussed in Section 2.4.2).

10.2 NOTICE OF PUBLIC HEARING

10.2.1 NOTICE TO CITIES AND COUNTIES

CWC 10621.

(b) Every urban water supplier required to prepare a plan shall... at least 60 days prior to the public hearing on the plan ... notify any city or county within which the supplier provides water supplies that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan.

CWC 10642.

...The urban water supplier shall provide notice of the time and place of hearing to any city or county within which the supplier provides water supplies. A privately owned water supplier shall provide an equivalent notice within its service area...

As discussed in Section 2.5.2. the City coordinated the preparation of the Urban Water Management Plan with the CBMWD, the County of Los Angeles, City of Norwalk, and City of Downey. The City notified these agencies and City residents at least sixty (60) days prior to the public hearing of the preparation of the 2015 Plan and invited



them to participate in the development of the Plan. A copy of the notification letters sent to these agencies is provided in Appendix N.

Additionally, a notice of public hearing was sent to CBMWD, the County of Los Angeles, City of Norwalk, City of Downey, and residents of Santa Fe Springs. Copies of the notice of the public hearing are provided in Appendix O.

Table 10-1 summarizes the agencies which were provided notifications by the City.

10.2.2 NOTICE TO THE PUBLIC

CWC 10642.

...Prior to adopting a plan, the urban water supplier shall make the plan available for public inspection...Prior to the hearing, notice of the time and place of hearing shall be published within the jurisdiction of the publicly owned water supplier pursuant to Section 6066 of the Government Code...

Government Code 6066.

Publication of notice pursuant to this section shall be once a week for two successive weeks. Two publications in a newspaper published once a week or oftener, with at least five days intervening between the respective publication dates not counting such publication dates, are sufficient. The period of notice commences upon the first day of publication and terminates at the end of the fourteenth day, including therein the first day.

The City encouraged the active involvement of the population within its service area prior to and during the preparation of the Plan. Pursuant to Section 6066 of the Government Code, the City published a notice of public hearing in the newspaper during the weeks of May 14 and 21, 2017. A notice of public hearing was also provided to the City Clerk's office and on the City's website. To ensure that the plan was



available for review, the City placed a copy of the 2015 draft Plan at the City Clerk's Office located at City Hall and made a copy available for review on its website.

10.3 PUBLIC HEARING AND ADOPTION

CWC 10642.

...Prior to adopting a plan, the urban water supplier shall hold a public hearing thereon.

CWC 10608.26.

(a) In complying with this part, an urban retail water supplier shall conduct at least one public hearing to accomplish all of the following:

- (1) Allow community input regarding the urban retail water supplier's implementation plan for complying with this part.*
 - (2) Consider the economic impacts of the urban retail water supplier's implementation plan for complying with this part.*
 - (3) Adopt a method, pursuant to subdivision (b) of Section 10608.20 for determining its urban water use target.*
-

Prior to adopting the 2015 Plan, the City held a public hearing on May 25, 2017 which included input from the community regarding the City's draft 2015 Plan. As part of the public hearing, the City made available to the public information on determination of its water use targets (see Section 5.7.1), economic impacts (see Section 8.6) and DMMs (see Chapter 9).

The City is committed to the implementation of the 2015 Plan in accordance with Section 10643 of the Act, including the water demand management measures (DMMs) (see Section 9) and water conservation requirements of SBX7-7 (see Section 5). The City continues to be committed to the concept of good water management practice and intends to expand its water conservation program as budgets and staffing allow. The



City's water conservation program will periodically be re-evaluated and modified to institute additional methods or techniques as the need arises. The City reviewed implementation of its 2010 Plan and incorporated changes to create the 2015 Plan.

10.3.1 ADOPTION

CWC 10642.

...After the hearing, the plan shall be adopted as prepared or as modified after the hearing.

Following the public hearing, the City adopted the draft Plan as its 2015 Plan. A copy of the resolution adopting the 2015 Plan is provided in Appendix P.

10.4 PLAN SUBMITTAL

CWC 10621.

(d) An urban water supplier shall update and submit its 2015 plan to the department by July 1, 2016.

CWC 10644.

(a)(1) An urban water supplier shall submit to the department, the California State Library, and any city or county within which the supplier provides water supplies a copy of its plan no later than 30 days after adoption.

CWC 10635.

(b) The urban water supplier shall provide that portion of its urban water management plan prepared pursuant to this article to any city or county within which it provides water supplies no later than 60 days after the submission of its urban water management plan.



10.4.1 SUBMITTING A UWMP TO DWR

Within 30 days of adoption of the 2015 Plan by the City Council and by July 1, 2016, the City will submit the adopted 2015 Plan to DWR. The 2015 Plan will be submitted through DWR's "Water Use Efficiency (WUE) Data Online Submittal Tool" website.

DWR developed a checklist for an Urban Water Management Plan to ensure it has addresses the requirements of the California Water Code. The City has completed the DWR checklist by indicating where the required CWC elements can be found within the City's 2015 Plan (See Appendix C).

10.4.2 ELECTRONIC DATA SUBMITTAL

Within 30 days of adoption of the 2015 Plan, the City will also submit all data tables associated with the 2015 Plan through DWR's "Water Use Efficiency (WUE) Data Online Submittal Tool" website.

10.4.3 SUBMITTING A UWMP TO THE CALIFORNIA STATE LIBRARY

Within 30 days of adoption of the 2015 Plan by the City Council, a copy (CD or hardcopy) of the 2015 Plan will be submitted to the State of California Library. A copy of the letter to the State Library will be maintained in the City's file. The 2015 Plan will be mailed to the following address if sent by regular mail:

California State Library
Government Publications Section
P.O. Box 942837
Sacramento, CA 94237-0001
Attention: Coordinator, Urban Water Management Plans



The 2015 Plan will be mailed to the following address if sent by courier or overnight carrier:

California State Library
Government Publications Section
914 Capitol Mall
Sacramento, CA 95814

10.4.4 SUBMITTING A UWMP TO CITIES AND COUNTIES

Within 30 days of adoption of the 2015 Plan by the City Council, a copy of the 2015 Plan will be submitted to the County of Los Angeles Registrar / Records office and the City Clerk's Office. A copy of the letter to the County of Los Angeles will be maintained in the City's file.

10.5 PUBLIC AVAILABILITY

CWC 10645.

Not later than 30 days after filing a copy of its plan with the department, the urban water supplier and the department shall make the plan available for public review during normal business hours.

Within 30 days after submittal of the 2015 Plan to DWR, the City will make the 2015 Plan available at the City Clerk's Office located at City Hall during normal business hours and on the City's website.



10.6 AMENDING AN ADOPTED UWMP

CWC 10621.

(c) The amendments to, or changes in, the plan shall be adopted and filed in the manner set forth in Article 3 (commencing with Section 10640).

CWC 10644.

(a)(1) Copies of amendments or changes to the plans shall be submitted to the department, the California State Library, and any city or county within which the supplier provides water supplies within 30 days after adoption.

If the City amends the adopted 2015 Plan, the amended Plan will undergo adoption by the City's governing board. Within 30 days of adoption, the amended Plan will then be submitted to DWR, the State of California Library, the County of Los Angeles Registrar / Records office, and the City Clerk's Office.

TABLES

Table 2-1 Retail Only: Public Water Systems

Public Water System Number	Public Water System Name	Number of Municipal Connections 2015	Volume of Water Supplied 2015
CA1910245	City of Santa Fe Springs	6,347	6,369
TOTAL		6,347	6,369
NOTES: Includes Recycled Water			

Table 2-2: Plan Identification		
Select Only One	Type of Plan	Name of RUWMP or Regional Alliance <i>if applicable</i> <i>drop down list</i>
<input checked="" type="checkbox"/>	Individual UWMP	
	<input type="checkbox"/> Water Supplier is also a member of a RUWMP	
	<input checked="" type="checkbox"/> Water Supplier is also a member of a Regional Alliance	Gateway Regional Alliance
<input type="checkbox"/>	Regional Urban Water Management Plan (RUWMP)	
NOTES:		

Table 2-3: Agency Identification	
Type of Agency (select one or both)	
<input type="checkbox"/>	Agency is a wholesaler
<input checked="" type="checkbox"/>	Agency is a retailer
Fiscal or Calendar Year (select one)	
<input checked="" type="checkbox"/>	UWMP Tables Are in Calendar Years
<input type="checkbox"/>	UWMP Tables Are in Fiscal Years
If Using Fiscal Years Provide Month and Date that the Fiscal Year Begins (mm/dd)	
Units of Measure Used in UWMP (select from Drop down)	
Unit	AF
NOTES:	

Table 2-4 Retail: Water Supplier Information Exchange
The retail supplier has informed the following wholesale supplier(s) of projected water use in accordance with CWC 10631.
Wholesale Water Supplier Name <i>(Add additional rows as needed)</i>
Central Basin Municipal Water District (CBMWD)
NOTES:

Table 3-1 Retail: Population - Current and Projected

Population Served	2015	2020	2025	2030	2035	2040 (<i>opt</i>)
	14,644	15,266	15,920	16,601	17,313	18,054

NOTES: Based on 2015 population using the DWR Population Tool (see Section 5.4.1) and projected populations from the Southern California Association of Governments (SCAG) for the City

Table 4-1 Retail: Demands for Potable and Raw Water - Actual

Use Type (Add additional rows as needed)	2015 Actual		
Drop down list <i>May select each use multiple times</i> <i>These are the only Use Types that will be recognized by the WUEdata online submittal tool</i>	Additional Description (as needed)	Level of Treatment When Delivered <i>Drop down list</i>	Volume
Single Family		Drinking Water	1,277
Commercial		Drinking Water	3,894
Losses		Drinking Water	170
Other	Unbilled water	Drinking Water	89
TOTAL			5,430
NOTES:			

Table 4-2 Retail: Demands for Potable and Raw Water - Projected

Use Type <i>(Add additional rows as needed)</i>	Additional Description <i>(as needed)</i>	Projected Water Use <i>Report To the Extent that Records are Available</i>				
<u><i>Drop down list</i></u> <i>May select each use multiple times</i> <i>These are the only Use Types that will be recognized by the</i> <i>WUEdata online submittal tool</i>		2020	2025	2030	2035	2040-opt
Single Family		1,710	1,783	1,860	1,939	2,022
Commercial		3,330	3,482	3,639	3,803	3,975
Losses		172	173	175	177	179
Other	Unbilled Water	90	91	92	93	94
TOTAL		5,302	5,529	5,766	6,012	6,270
NOTES:						

Table 4-3 Retail: Total Water Demands

	2015	2020	2025	2030	2035	2040 (opt)
Potable and Raw Water <i>From Tables 4-1 and 4-2</i>	5,430	5,302	5,529	5,766	6,012	6,270
Recycled Water Demand* <i>From Table 6-4</i>	939	914	953	994	1,036	1,081
TOTAL WATER DEMAND	6,369	6,216	6,482	6,760	7,048	7,351

**Recycled water demand fields will be blank until Table 6-4 is complete.*

NOTES:

Table 4-4 Retail: 12 Month Water Loss Audit Reporting	
Reporting Period Start Date (mm/yyyy)	Volume of Water Loss*
07/2015	170
* Taken from the field "Water Losses" (a combination of apparent losses and real losses) from the AWWA worksheet.	
NOTES: AWWA worksheet provided in Appendix E.	

Table 4-5 Retail Only: Inclusion in Water Use Projections

Are Future Water Savings Included in Projections? (Refer to Appendix K of UWMP Guidebook) <i>Drop down list (y/n)</i>	Yes
If "Yes" to above, state the section or page number, in the cell to the right, where citations of the codes, ordinances, etc... utilized in demand projections are found.	Section 4.4 and Chapter 8
Are Lower Income Residential Demands Included In Projections? <i>Drop down list (y/n)</i>	Yes
NOTES:	

Table 5-1 Baselines and Targets Summary*Retail Agency or Regional Alliance Only*

Baseline Period	Start Year	End Year	Average Baseline GPCD*	2015 Interim Target *	Confirmed 2020 Target*
10-15 year	1999	2008	101	101	100
5 Year	2003	2007	106		

*All values are in Gallons per Capita per Day (GPCD)

NOTES:

Table 5-2: 2015 Compliance*Retail Agency or Regional Alliance Only*

Actual 2015 GPCD*	2015 Interim Target GPCD*	Optional Adjustments to 2015 GPCD					2015 GPCD* (Adjusted if applicable)	Did Supplier Achieve Targeted Reduction for 2015? Y/N
		Enter "0" if no adjustment is made						
		Methodology 8						
		Extraordinary Events*	Economic Adjustment*	Weather Normalization*	TOTAL Adjustments*	Adjusted 2015 GPCD*		
83	101	0	0	0	0	83	83	Yes

**All values are in Gallons per Capita per Day (GPCD)*

NOTES:

Table 6-1 Retail: Groundwater Volume Pumped

<input type="checkbox"/>	Supplier does not pump groundwater. The supplier will not complete the table below.					
Groundwater Type <i>Drop Down List</i> <i>May use each category multiple times</i>	Location or Basin Name	2011	2012	2013	2014	2015
Add additional rows as needed						
Alluvial Basin	Central Groundwater Basin	1,210	1,314	1,310	20	0
TOTAL		1,210	1,314	1,310	20	0
NOTES: Wells not operating during 2014 and 2015						

Table 6-2 Retail: Wastewater Collected Within Service Area in 2015						
<input type="checkbox"/>	There is no wastewater collection system. The supplier will not complete the table below.					
Percentage of 2015 service area covered by wastewater collection system <i>(optional)</i>						
Percentage of 2015 service area population covered by wastewater collection system <i>(optional)</i>						
Wastewater Collection			Recipient of Collected Wastewater			
Name of Wastewater Collection Agency	Wastewater Volume Metered or Estimated? <i>Drop Down List</i>	Volume of Wastewater Collected from UWMP Service Area 2015	Name of Wastewater Treatment Agency Receiving Collected Wastewater	Treatment Plant Name	Is WWTP Located Within UWMP Area? <i>Drop Down List</i>	Is WWTP Operation Contracted to a Third Party? <i>(optional)</i> <i>Drop Down List</i>
Add additional rows as needed						
City of Santa Fe Springs	Estimated	990	Sanitation Districts of Los Angeles County	Los Coyotes Water Reclamation Plant and Long Beach Water Reclamation Plant	No	No
Total Wastewater Collected from Service Area in 2015:		990				
NOTES: Volume of wastewater (AF) based on 60 gpcd generated.						

Table 6-3 Retail: Wastewater Treatment and Discharge Within Service Area in 2015

<input checked="checked" type="checkbox"/>		No wastewater is treated or disposed of within the UWMP service area. The supplier will not complete the table below.									
Wastewater Treatment Plant Name	Discharge Location Name or Identifier	Discharge Location Description	Wastewater Discharge ID Number <i>(optional)</i>	Method of Disposal <i>Drop down list</i>	Does This Plant Treat Wastewater Generated Outside the Service Area?	Treatment Level <i>Drop down list</i>	2015 volumes				
							Wastewater Treated	Discharged Treated Wastewater	Recycled Within Service Area	Recycled Outside of Service Area	
Add additional rows as needed											
Total							0	0	0	0	
NOTES:											

Table 6-4 Retail: Current and Projected Recycled Water Direct Beneficial Uses Within Service Area

<input type="checkbox"/> Recycled water is not used and is not planned for use within the service area of the supplier. The supplier will not complete the table below.								
Name of Agency Producing (Treating) the Recycled Water:		Sanitation Districts of Los Angeles County						
Name of Agency Operating the Recycled Water Distribution System:		Central Basin Municipal Water District						
Supplemental Water Added in 2015		939 AF						
Source of 2015 Supplemental Water		Los Coyotes Water Reclamation Plant and San Jose Creek Water Reclamation Plant						
Beneficial Use Type	General Description of 2015 Uses	Level of Treatment <i>Drop down list</i>	2015	2020	2025	2030	2035	2040 (opt)
Agricultural irrigation								
Landscape irrigation (excludes golf courses)	School Fields, Parks, Business Parks, Walkways, Roadway Medians	Tertiary	563	548	572	596	622	649
Golf course irrigation								
Commercial use								
Industrial use	Carpet Manufacturing, Cooling Tower, Concrete Mixing	Tertiary	376	366	381	398	414	432
Geothermal and other energy production								
Seawater intrusion barrier								
Recreational impoundment								
Wetlands or wildlife habitat								
Groundwater recharge (IPR)*								
Surface water augmentation (IPR)*								
Direct potable reuse								
Other (Provide General Description)								
Total:			939	914	953	994	1,036	1,081
<i>*IPR - Indirect Potable Reuse</i>								
NOTES:								

Table 6-5 Retail: 2010 UWMP Recycled Water Use Projection Compared to 2015 Actual

<input type="checkbox"/>		Recycled water was not used in 2010 nor projected for use in 2015. The supplier will not complete the table below.	
Use Type		2010 Projection for 2015	2015 Actual Use
Agricultural irrigation			
Landscape irrigation (excludes golf courses)		549	563
Golf course irrigation			
Commercial use			
Industrial use		230	376
Geothermal and other energy production			
Seawater intrusion barrier			
Recreational impoundment			
Wetlands or wildlife habitat			
Groundwater recharge (IPR)			
Surface water augmentation (IPR)			
Direct potable reuse			
Other	<i>Type of Use</i>		
Total		779	939
NOTES:			

Table 6-6 Retail: Methods to Expand Future Recycled Water Use

<input checked="" type="checkbox"/>	Supplier does not plan to expand recycled water use in the future. Supplier will not complete the table below but will provide narrative explanation.		
	Provide page location of narrative in UWMP		
Name of Action	Description	Planned Implementation Year	Expected Increase in Recycled Water Use
Add additional rows as needed			
Total			0
NOTES:			

Table 6-7 Retail: Expected Future Water Supply Projects or Programs

<input type="checkbox"/>	No expected future water supply projects or programs that provide a quantifiable increase to the agency's water supply. Supplier will not complete the table below.					
<input type="checkbox"/>	Some or all of the supplier's future water supply projects or programs are not compatible with this table and are described in a narrative format.					
	Provide page location of narrative in the UWMP					
Name of Future Projects or Programs	Joint Project with other agencies?		Description (if needed)	Planned Implementation Year	Planned for Use in Year Type <i>Drop Down List</i>	Expected Increase in Water Supply to Agency <i>This may be a range</i>
	<i>Drop Down List (y/n)</i>	<i>If Yes, Agency Name</i>				
<i>Add additional rows as needed</i>						
Treatment Facilities	No		Groundwater Water Quality Treatment	FY 17-18	All Year Types	2,000 gpm
NOTES:						

Table 6-8 Retail: Water Supplies — Actual

Water Supply	Additional Detail on Water Supply	2015		
Drop down list <i>May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool</i>		Actual Volume	Water Quality <i>Drop Down List</i>	Total Right or Safe Yield (optional)
<i>Add additional rows as needed</i>				
Purchased or Imported Water	CBMWD WQPP	2,716	Drinking Water	
Purchased or Imported Water	MWD	2,714	Drinking Water	
Groundwater	Central Basin Wells	0	Raw Water	
Recycled Water	CBMWD	939	Recycled Water	
Total		6,369		0
NOTES:				

Table 6-9 Retail: Water Supplies — Projected

Water Supply	Additional Detail on Water Supply	Projected Water Supply Report To the Extent Practicable									
<i>Drop down list</i> <i>May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool</i>		2020		2025		2030		2035		2040 <i>(opt)</i>	
		Reasonably Available Volume	Total Right or Safe Yield <i>(optional)</i>	Reasonably Available Volume	Total Right or Safe Yield <i>(optional)</i>	Reasonably Available Volume	Total Right or Safe Yield <i>(optional)</i>	Reasonably Available Volume	Total Right or Safe Yield <i>(optional)</i>	Reasonably Available Volume	Total Right or Safe Yield <i>(optional)</i>
Add additional rows as needed											
Purchased or Imported Water	CB WQPP*	2,000		2,000		2,000		2,000		2,000	
Groundwater	CB Wells	1,302		1,529		1,766		2,012		2,270	
Purchased or Imported Water	MWD	2,000		2,000		2,000		2,000		2,000	
Recycled Water	CBMWD	914		953		994		1,036		1,081	
	Total	6,216	0	6,482	0	6,760	0	7,048	0	7,351	0
NOTES: *CB WQPP volume is based on contracted minimal amount of 1,250 gpm (about 2,000 AFY)											

Table 7-1 Retail: Basis of Water Year Data

Year Type	Base Year <i>If not using a calendar year, type in the last year of the fiscal, water year, or range of years, for example, water year 1999-2000, use 2000</i>	Available Supplies if Year Type Repeats	
		<input type="checkbox"/>	Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____
		<input checked="" type="checkbox"/>	Quantification of available supplies is provided in this table as either volume only, percent only, or both.
		Volume Available	% of Average Supply
Average Year	2010	6722	100%
Single-Dry Year	2012	7174	107%
Multiple-Dry Years 1st Year	2012	7174	107%
Multiple-Dry Years 2nd Year	2013	7407	110%
Multiple-Dry Years 3rd Year	2014	7134	106%
Multiple-Dry Years 4th Year <i>Optional</i>			
Multiple-Dry Years 5th Year <i>Optional</i>			
Multiple-Dry Years 6th Year <i>Optional</i>			
Agency may use multiple versions of Table 7-1 if different water sources have different base years and the supplier chooses to report the base years for each water source separately. If an agency uses multiple versions of Table 7-1, in the "Note" section of each table, state that multiple versions of Table 7-1 are being used and identify the particular water source that is being reported in each table.			
NOTES:			

Table 7-2 Retail: Normal Year Supply and Demand Comparison					
	2020	2025	2030	2035	2040 (Opt)
Supply totals (autofill from Table 6-9)	6,216	6,482	6,760	7,048	7,351
Demand totals (autofill from Table 4-3)	6,216	6,482	6,760	7,048	7,351
Difference	0	0	0	0	0
NOTES:					

Table 7-3 Retail: Single Dry Year Supply and Demand Comparison					
	2020	2025	2030	2035	2040 (Opt)
Supply totals	6,634	6,918	7,215	7,522	7,845
Demand totals	6,634	6,918	7,215	7,522	7,845
Difference	0	0	0	0	0
NOTES: Normal year water supplies were projected and multiplied by a single dry year factor of 107%.					

Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison

		2020	2025	2030	2035	2040 (Opt)
First year	Supply totals	6,634	6,918	7,215	7,522	7,845
	Demand totals	6,634	6,918	7,215	7,522	7,845
	Difference	0	0	0	0	0
Second year	Supply totals	6,849	7,143	7,449	7,766	8,100
	Demand totals	6,849	7,143	7,449	7,766	8,100
	Difference	0	0	0	0	0
Third year	Supply totals	6,597	6,879	7,174	7,480	7,802
	Demand totals	6,597	6,879	7,174	7,480	7,802
	Difference	0	0	0	0	0
Fourth year <i>(optional)</i>	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0
Fifth year <i>(optional)</i>	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0
Sixth year <i>(optional)</i>	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0

NOTES: Normal year water supplies were projected and multiplied by multiple dry year factors as follows: First Year: 107% of average year demand, Second year: 110% of average year demand and Third Year: 106% of average year demand.

**Table 8-1 Retail
Stages of Water Shortage Contingency Plan**

Stage	Complete Both	
	Percent Supply Reduction ¹ <i>Numerical value as a percent</i>	Water Supply Condition <i>(Narrative description)</i>
<i>Add additional rows as needed</i>		
1*	10%	A Stage 1 Water Supply Shortage exists when the City determines that due to drought or other water supply reductions, a water supply shortage exists. The type of event prompting this stage may include, among other factors, a finding that CBMWD calls for extraordinary water conservation.
2		Maximum Allowable Percentages of Base Period, which vary depending on Stage of water conservation, are in effect for the City's water customers.
3		Maximum Allowable Percentages of Base Period, which vary depending on Stage of water conservation, are in effect for the City's water customers.
4		Maximum Allowable Percentages of Base Period, which vary depending on Stage of water conservation, are in effect for the City's water customers.
5	up to 50%	Maximum Allowable Percentages of Base Period, which vary depending on Stage of water conservation, are in effect for the City's water customers.
¹ One stage in the Water Shortage Contingency Plan must address a water shortage of 50%.		

NOTES:

The City will determine the Stage of water conservation necessary to accomplish water conservation requirements, which is based on the severity of the water supply shortage.

* As of June 2015, the City's overall water use reduction goal is 16 percent, which is intended to address SWRCB's 2015 mandated statewide water use reduction goal of 25 percent.

Table 8-2 Retail Only: Restrictions and Prohibitions on End Uses

Stage	Restrictions and Prohibitions on End Users <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	Additional Explanation or Reference (optional)	Penalty, Charge, or Other Enforcement? <i>Drop Down List</i>
<i>Add additional rows as needed</i>			
All Stages	Landscape - Restrict or prohibit runoff from landscape irrigation		Yes
All Stages	Landscape - Limit landscape irrigation to specific times		Yes
All Stages	Landscape - Limit landscape irrigation to specific days		Yes
All Stages	CII - Lodging establishment must offer opt out of linen service		Yes
All Stages	CII - Restaurants may only serve water upon request		Yes
All Stages	Water Features - Restrict water use for decorative water features, such as fountains		Yes
All Stages	Other - Require automatic shut of hoses		Yes
All Stages	Other - Prohibit use of potable water for washing hard surfaces		Yes
<p>NOTES:</p> <p>Restrictions and Prohibitions are listed in Santa Fe Springs Code of Ordinances, Title V, Chapter 54 (Ordinance 1065, adopted May 28, 2015).</p>			

Table 8-3 Retail Only:
Stages of Water Shortage Contingency Plan - Consumption Reduction Methods

Stage	Consumption Reduction Methods by Water Supplier <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	Additional Explanation or Reference <i>(optional)</i>
Add additional rows as needed		
All Stages	Offer Water Use Surveys	The City offers water conservation kits to residential customers. The kit includes faucet aerators, low flow shower heads, toilet tank dams, water saving information, and a simple water audit guide.
All Stages	Provide Rebates on Plumbing Fixtures and Devices	CBMWD offers rebates on high efficiency clothes washers, premium high efficiency toilets, weather-based irrigation controllers, soil moisture sensors, rotating sprinkler nozzles, and rain barrels/cisterns.
All Stages	Reduce System Water Loss	The City inspects for leaks on a daily basis. Main line water leaks are monitored electronically.
All Stages	Expand Public Information Campaign	Public information materials from CBMWD and MWD are provided to the City's customers by mail, City newsletters, and at public facilities.
NOTES:		

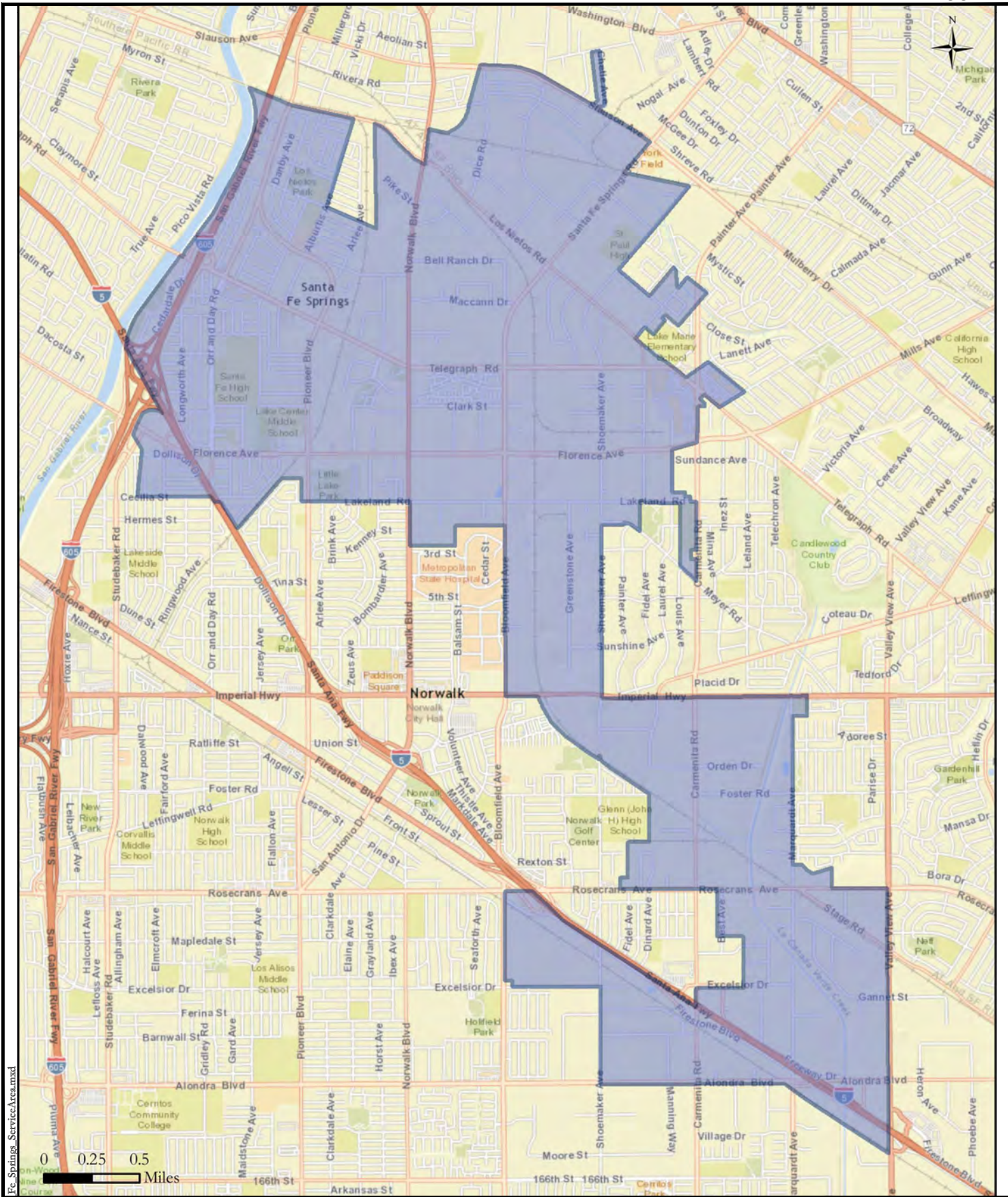
Table 8-4 Retail: Minimum Supply Next Three Years			
	2016	2017	2018
Available Water Supply	7,174	7,407	7,134
NOTES: Volumes based on water supplies of driest 3-year historic sequence (2012 to 2014).			

Table 10-1 Retail: Notification to Cities and Counties

City Name	60 Day Notice	Notice of Public Hearing
Add additional rows as needed		
Santa Fe Springs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Norwalk	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Downey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
County Name <i>Drop Down List</i>	60 Day Notice	Notice of Public Hearing
Add additional rows as needed		
Los Angeles County	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>

FIGURES

FIGURE 1





861 VILLAGE OAKS DRIVE, SUITE 100
COVINA, CALIFORNIA 91724
TEL: (626) 967-6202
FAX: (626) 331-7065

2171 E Francisco Blvd., Suite K
San Rafael California 94901

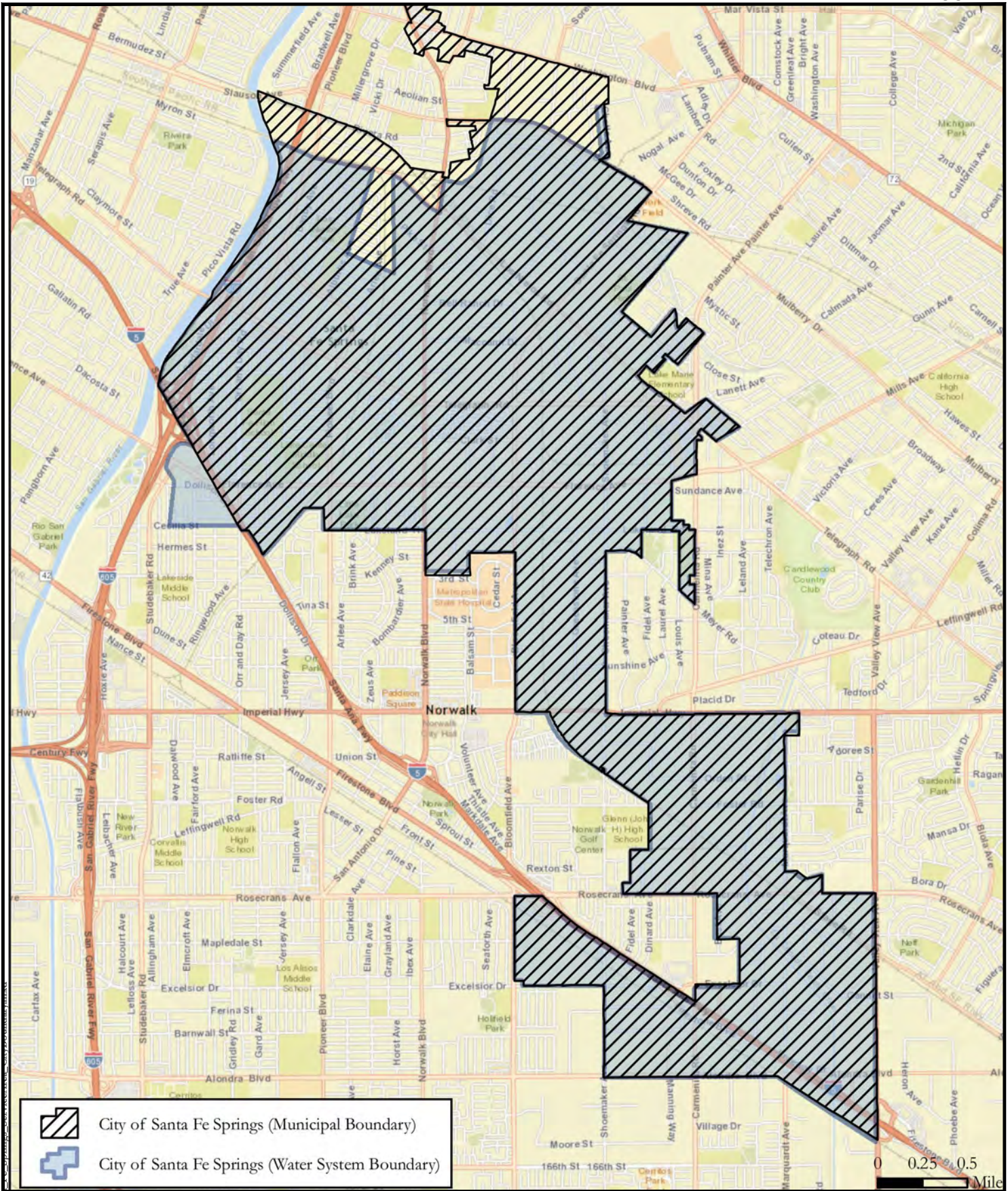
2651 W Guadalupe Rd., Suite A209
Mesa Arizona 85202





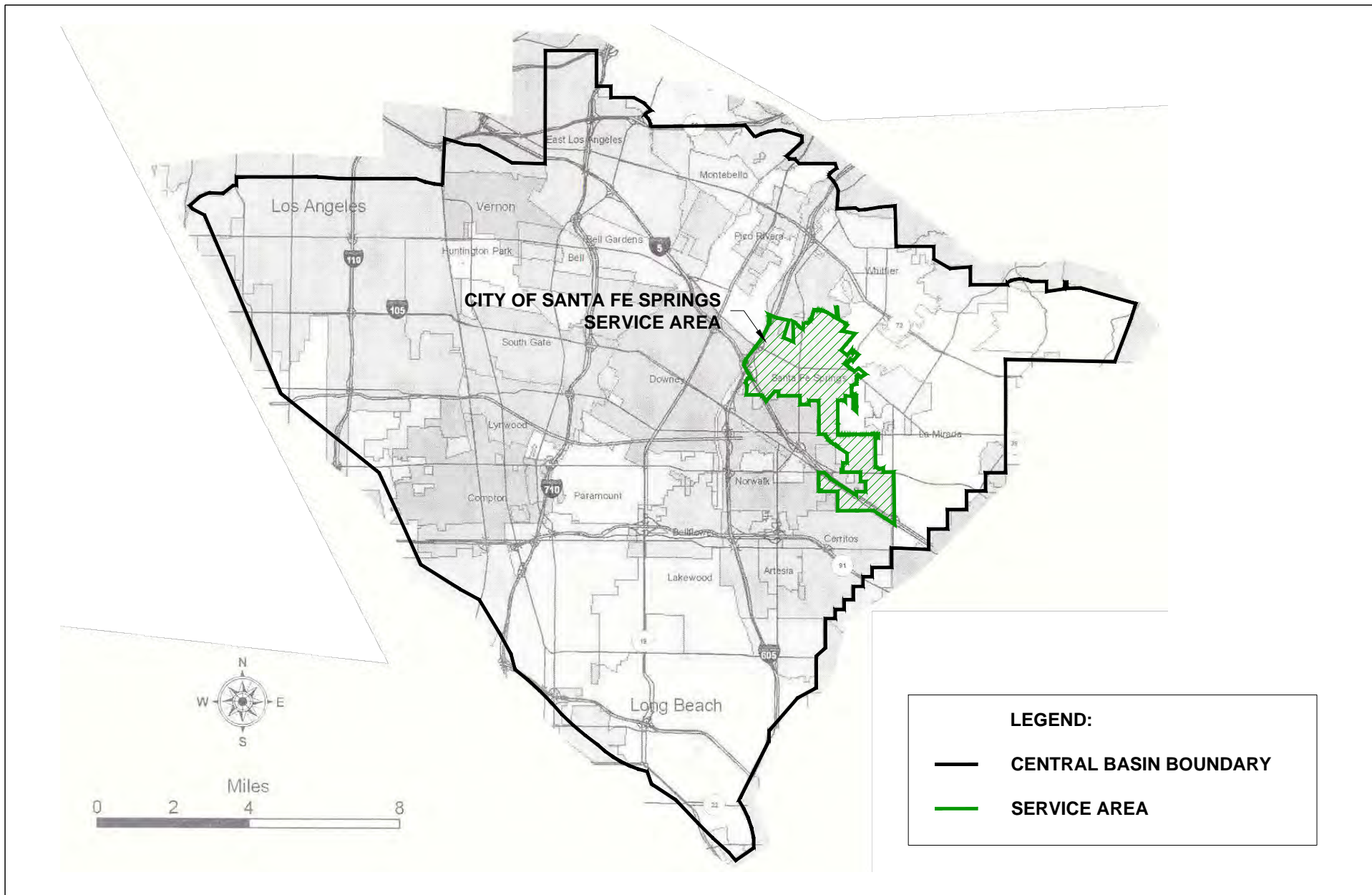
CITY OF SANTA FE SPRINGS

WATER SERVICE AREA BOUNDARY

FIGURE 2



 <p>861 VILLAGE OAKS DRIVE, SUITE 100 COVINA, CALIFORNIA 91724 TEL: (626) 967-6202 FAX: (626) 331-7065</p> <p>2171 E Francisco Blvd., Suite K San Rafael California 94901</p> <p>2651 W Guadalupe Rd., Suite A209 Mesa Arizona 85202</p>		<p>CITY OF SANTA FE SPRINGS</p> <p>WATER SERVICE AREA AND MUNICIPAL BOUNDARIES</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------



861 VILLAGE OAKS DRIVE, SUITE 100
 COVINA, CALIFORNIA 91724
 TEL: (818) 967-6202
 FAX: (818) 331-7065

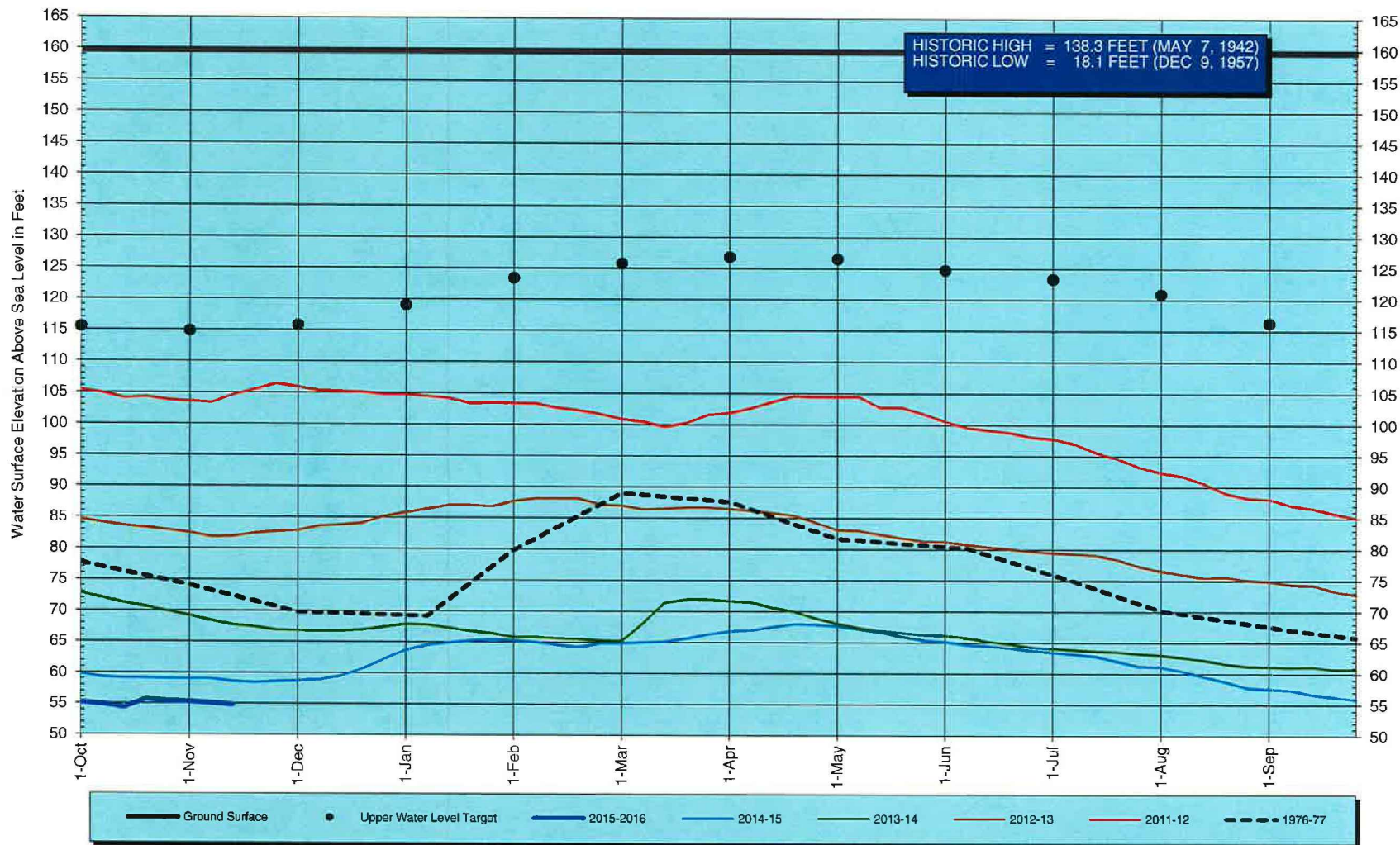
2171 E Francisco Blvd., Suite K
 San Rafael California 94901

2651 W Guadalupe Rd., Suite A209
 Mesa Arizona 85202

CITY OF SANTA FE SPRINGS

SERVICE AREA AND BASIN BOUNDARY

MONTEBELLO FOREBAY WELL 1601T GROUNDWATER SURFACE ELEVATION



Source : Water Replenishment District of Southern California



861 VILLAGE OAKS DRIVE, SUITE 100
 COVINA, CALIFORNIA 91724
 TEL: (626) 967-6202
 FAX: (626) 331-7065

2171 E Francisco Blvd., Suite K
 San Rafael California 94901

2651 W Guadalupe Rd., Suite A209
 Mesa Arizona 85202

CITY OF SANTA FE SPRINGS

HISTORICAL CENTRAL BASIN GROUNDWATER LEVELS

FIGURE 4

APPENDIX A

Urban Water Management Planning Act

California Water Code Division 6, Part 2.6.

Chapter 1. General Declaration and Policy §10610-10610.4

Chapter 2. Definitions §10611-10617

Chapter 3. Urban Water Management Plans

Article 1. General Provisions §10620-10621

Article 2. Contents of Plans §10630-10634

Article 2.5. Water Service Reliability §10635

Article 3. Adoption And Implementation of Plans §10640-10645

Chapter 4. Miscellaneous Provisions §10650-10656

Chapter 1. General Declaration and Policy

SECTION 10610-10610.4

10610. This part shall be known and may be cited as the "Urban Water Management Planning Act."

10610.2. (a) The Legislature finds and declares all of the following:

- (1) The waters of the state are a limited and renewable resource subject to ever-increasing demands.
- (2) The conservation and efficient use of urban water supplies are of statewide concern; however, the planning for that use and the implementation of those plans can best be accomplished at the local level.
- (3) A long-term, reliable supply of water is essential to protect the productivity of California's businesses and economic climate.
- (4) As part of its long-range planning activities, every urban water supplier should make every effort to ensure the appropriate level of reliability in its water service sufficient to meet the needs of its various categories of customers during normal, dry, and multiple dry water years.
- (5) Public health issues have been raised over a number of contaminants that have been identified in certain local and imported water supplies.
- (6) Implementing effective water management strategies, including groundwater storage projects and recycled water projects, may require specific water quality and salinity targets for meeting groundwater basins water quality objectives and promoting beneficial use of recycled water.
- (7) Water quality regulations are becoming an increasingly important factor in water agencies' selection of raw water sources, treatment alternatives, and modifications to existing treatment facilities.

- (8) Changes in drinking water quality standards may also impact the usefulness of water supplies and may ultimately impact supply reliability.
- (9) The quality of source supplies can have a significant impact on water management strategies and supply reliability.
- (b) This part is intended to provide assistance to water agencies in carrying out their long-term resource planning responsibilities to ensure adequate water supplies to meet existing and future demands for water.

10610.4. The Legislature finds and declares that it is the policy of the state as follows:

- (a) The management of urban water demands and efficient use of water shall be actively pursued to protect both the people of the state and their water resources.
- (b) The management of urban water demands and efficient use of urban water supplies shall be a guiding criterion in public decisions.
- (c) Urban water suppliers shall be required to develop water management plans to actively pursue the efficient use of available supplies.

Chapter 2. Definitions

SECTION 10611-10617

10611. Unless the context otherwise requires, the definitions of this chapter govern the construction of this part.

10611.5. "Demand management" means those water conservation measures, programs, and incentives that prevent the waste of water and promote the reasonable and efficient use and reuse of available supplies.

10612. "Customer" means a purchaser of water from a water supplier who uses the water for municipal purposes, including residential, commercial, governmental, and industrial uses.

10613. "Efficient use" means those management measures that result in the most effective use of water so as to prevent its waste or unreasonable use or unreasonable method of use.

10614. "Person" means any individual, firm, association, organization, partnership, business, trust, corporation, company, public agency, or any agency of such an entity.

10615. "Plan" means an urban water management plan prepared pursuant to this part. A plan shall describe and evaluate sources of supply, reasonable and practical efficient uses,

reclamation and demand management activities. The components of the plan may vary according to an individual community or area's characteristics and its capabilities to efficiently use and conserve water. The plan shall address measures for residential, commercial, governmental, and industrial water demand management as set forth in Article 2 (commencing with Section 10630) of Chapter 3. In addition, a strategy and time schedule for implementation shall be included in the plan.

10616. "Public agency" means any board, commission, county, city and county, city, regional agency, district, or other public entity.

10616.5. "Recycled water" means the reclamation and reuse of wastewater for beneficial use.

10617. "Urban water supplier" means a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually. An urban water supplier includes a supplier or contractor for water, regardless of the basis of right, which distributes or sells for ultimate resale to customers. This part applies only to water supplied from public water systems subject to Chapter 4 (commencing with Section 116275) of Part 12 of Division 104 of the Health and Safety Code.

Chapter 3. Urban Water Management Plans

Article 1. General Provisions

SECTION 10620-10621

10620. (a) Every urban water supplier shall prepare and adopt an urban water management plan in the manner set forth in Article 3 (commencing with Section 10640).
- (b) Every person that becomes an urban water supplier shall adopt an urban water management plan within one year after it has become an urban water supplier.
- (c) An urban water supplier indirectly providing water shall not include planning elements in its water management plan as provided in Article 2 (commencing with Section 10630) that would be applicable to urban water suppliers or public agencies directly providing water, or to their customers, without the consent of those suppliers or public agencies.
- (d) (1) An urban water supplier may satisfy the requirements of this part by participation in areawide, regional, watershed, or basinwide urban water management planning where those plans will reduce preparation costs and contribute to the achievement of conservation and efficient water use.
- (2) Each urban water supplier shall coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that

share a common source, water management agencies, and relevant public agencies, to the extent practicable.

- (e) The urban water supplier may prepare the plan with its own staff, by contract, or in cooperation with other governmental agencies.
 - (f) An urban water supplier shall describe in the plan water management tools and options used by that entity that will maximize resources and minimize the need to import water from other regions.
10621. (a) Each urban water supplier shall update its plan at least once every five years on or before December 31, in years ending in five and zero, except as provided in subdivision (d).
- (b) Every urban water supplier required to prepare a plan pursuant to this part shall, at least 60 days before the public hearing on the plan required by Section 10642, notify any city or county within which the supplier provides water supplies that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan. The urban water supplier may consult with, and obtain comments from, any city or county that receives notice pursuant to this subdivision.
 - (c) The amendments to, or changes in, the plan shall be adopted and filed in the manner set forth in Article 3 (commencing with Section 10640).
 - (d) Each urban water supplier shall update and submit its 2015 plan to the department by July 1, 2016.

Article 2. Contents of Plan

SECTION 10630-10634

10630. It is the intention of the Legislature, in enacting this part, to permit levels of water management planning commensurate with the numbers of customers served and the volume of water supplied.
10631. A plan shall be adopted in accordance with this chapter that shall do all of the following:
- (a) Describe the service area of the supplier, including current and projected population, climate, and other demographic factors affecting the supplier's water management planning. The projected population estimates shall be based upon data from the state, regional, or local service agency population projections within the service area of the urban water supplier and shall be in five-year increments to 20 years or as far as data is available.
 - (b) Identify and quantify, to the extent practicable, the existing and planned sources of water available to the supplier over the same five-year increments described in subdivision (a). If groundwater is identified as an existing or planned source of

water available to the supplier, all of the following information shall be included in the plan:

- (1) A copy of any groundwater management plan adopted by the urban water supplier, including plans adopted pursuant to Part 2.75 (commencing with Section 10750), or any other specific authorization for groundwater management.
 - (2) A description of any groundwater basin or basins from which the urban water supplier pumps groundwater. For basins that a court or the board has adjudicated the rights to pump groundwater, a copy of the order or decree adopted by the court or the board and a description of the amount of groundwater the urban water supplier has the legal right to pump under the order or decree. For basins that have not been adjudicated, information as to whether the department has identified the basin or basins as overdrafted or has projected that the basin will become overdrafted if present management conditions continue, in the most current official departmental bulletin that characterizes the condition of the groundwater basin, and a detailed description of the efforts being undertaken by the urban water supplier to eliminate the long-term overdraft condition.
 - (3) A detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.
 - (4) A detailed description and analysis of the amount and location of groundwater that is projected to be pumped by the urban water supplier. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.
- (c) (1) Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage, to the extent practicable, and provide data for each of the following:
- (A) An average water year.
 - (B) A single-dry water year.
 - (C) Multiple-dry water years.
- (2) For any water source that may not be available at a consistent level of use, given specific legal, environmental, water quality, or climatic factors, describe plans to supplement or replace that source with alternative sources or water demand management measures, to the extent practicable.

- (d) Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.
- (e) (1) Quantify, to the extent records are available, past and current water use, over the same five-year increments described in subdivision (a), and projected water use, identifying the uses among water use sectors, including, but not necessarily limited to, all of the following uses:
 - (A) Single-family residential.
 - (B) Multifamily.
 - (C) Commercial.
 - (D) Industrial.
 - (E) Institutional and governmental.
 - (F) Landscape.
 - (G) Sales to other agencies.
 - (H) Saline water intrusion barriers, groundwater recharge, or conjunctive use, or any combination thereof.
 - (I) Agricultural.
 - (J) Distribution system water loss.
- (2) The water use projections shall be in the same five-year increments described in subdivision (a).
- (3) (A) For the 2015 urban water management plan update, the distribution system water loss shall be quantified for the most recent 12-month period available. For all subsequent updates, the distribution system water loss shall be quantified for each of the five years preceding the plan update.
 - (B) The distribution system water loss quantification shall be reported in accordance with a worksheet approved or developed by the department through a public process. The water loss quantification worksheet shall be based on the water system balance methodology developed by the American Water Works Association.
- (4) (A) If available and applicable to an urban water supplier, water use projections may display and account for the water savings estimated to result from adopted codes, standards, ordinances, or transportation and land use plans identified by the urban water supplier, as applicable to the service area.

- (B) To the extent that an urban water supplier reports the information described in subparagraph (A), an urban water supplier shall do both of the following:
 - (i) Provide citations of the various codes, standards, ordinances, or transportation and land use plans utilized in making the projections.
 - (ii) Indicate the extent that the water use projections consider savings from codes, standards, ordinances, or transportation and land use plans. Water use projections that do not account for these water savings shall be noted of that fact.
- (f) Provide a description of the supplier's water demand management measures. This description shall include all of the following:
 - (1) (A) For an urban retail water supplier, as defined in Section 10608.12, a narrative description that addresses the nature and extent of each water demand management measure implemented over the past five years. The narrative shall describe the water demand management measures that the supplier plans to implement to achieve its water use targets pursuant to Section 10608.20.
 - (B) The narrative pursuant to this paragraph shall include descriptions of the following water demand management measures:
 - (i) Water waste prevention ordinances.
 - (ii) Metering.
 - (iii) Conservation pricing.
 - (iv) Public education and outreach.
 - (v) Programs to assess and manage distribution system real loss.
 - (vi) Water conservation program coordination and staffing support.
 - (vii) Other demand management measures that have a significant impact on water use as measured in gallons per capita per day, including innovative measures, if implemented.
 - (2) For an urban wholesale water supplier, as defined in Section 10608.12, a narrative description of the items in clauses (ii), (iv), (vi), and (vii) of subparagraph (B) of paragraph (1), and a narrative description of its distribution system asset management and wholesale supplier assistance programs.
- (g) Include a description of all water supply projects and water supply programs that may be undertaken by the urban water supplier to meet the total projected water

use, as established pursuant to subdivision (a) of Section 10635. The urban water supplier shall include a detailed description of expected future projects and programs that the urban water supplier may implement to increase the amount of the water supply available to the urban water supplier in average, single-dry, and multiple-dry water years. The description shall identify specific projects and include a description of the increase in water supply that is expected to be available from each project. The description shall include an estimate with regard to the implementation timeline for each project or program.

- (h) Describe the opportunities for development of desalinated water, including, but not limited to, ocean water, brackish water, and groundwater, as a long-term supply.
- (i) For purposes of this part, urban water suppliers that are members of the California Urban Water Conservation Council shall be deemed in compliance with the requirements of subdivision (f) by complying with all the provisions of the "Memorandum of Understanding Regarding Urban Water Conservation in California," dated December 10, 2008, as it may be amended, and by submitting the annual reports required by Section 6.2 of that memorandum.
- (j) An urban water supplier that relies upon a wholesale agency for a source of water shall provide the wholesale agency with water use projections from that agency for that source of water in five-year increments to 20 years or as far as data is available. The wholesale agency shall provide information to the urban water supplier for inclusion in the urban water supplier's plan that identifies and quantifies, to the extent practicable, the existing and planned sources of water as required by subdivision (b), available from the wholesale agency to the urban water supplier over the same five-year increments, and during various water-year types in accordance with subdivision (c). An urban water supplier may rely upon water supply information provided by the wholesale agency in fulfilling the plan informational requirements of subdivisions (b) and (c).

10631.1. (a) The water use projections required by Section 10631 shall include projected water use for single-family and multifamily residential housing needed for lower income households, as defined in Section 50079.5 of the Health and Safety Code, as identified in the housing element of any city, county, or city and county in the service area of the supplier.

- (b) It is the intent of the Legislature that the identification of projected water use for single-family and multifamily residential housing for lower income households will assist a supplier in complying with the requirement under Section 65589.7 of the Government Code to grant a priority for the provision of service to housing units affordable to lower income households.

10631.2. (a) In addition to the requirements of Section 10631, an urban water management plan may, but is not required to, include any of the following information:

- (1) An estimate of the amount of energy used to extract or divert water supplies.
 - (2) An estimate of the amount of energy used to convey water supplies to the water treatment plants or distribution systems.
 - (3) An estimate of the amount of energy used to treat water supplies.
 - (4) An estimate of the amount of energy used to distribute water supplies through its distribution systems.
 - (5) An estimate of the amount of energy used for treated water supplies in comparison to the amount used for nontreated water supplies.
 - (6) An estimate of the amount of energy used to place water into or withdraw from storage.
 - (7) Any other energy-related information the urban water supplier deems appropriate.
- (b) The department shall include in its guidance for the preparation of urban water management plans a methodology for the voluntary calculation or estimation of the energy intensity of urban water systems. The department may consider studies and calculations conducted by the Public Utilities Commission in developing the methodology.

10631.5. (a) (1) Beginning January 1, 2009, the terms of, and eligibility for, a water management grant or loan made to an urban water supplier and awarded or administered by the department, state board, or California Bay-Delta Authority or its successor agency shall be conditioned on the implementation of the water demand management measures described in Section 10631, as determined by the department pursuant to subdivision (b).

- (2) For the purposes of this section, water management grants and loans include funding for programs and projects for surface water or groundwater storage, recycling, desalination, water conservation, water supply reliability, and water supply augmentation. This section does not apply to water management projects funded by the federal American Recovery and Reinvestment Act of 2009 (Public Law 111-5).
- (3) Notwithstanding paragraph (1), the department shall determine that an urban water supplier is eligible for a water management grant or loan even though the supplier is not implementing all of the water demand management measures described in Section 10631, if the urban water supplier has

submitted to the department for approval a schedule, financing plan, and budget, to be included in the grant or loan agreement, for implementation of the water demand management measures. The supplier may request grant or loan funds to implement the water demand management measures to the extent the request is consistent with the eligibility requirements applicable to the water management funds.

(4) (A) Notwithstanding paragraph (1), the department shall determine that an urban water supplier is eligible for a water management grant or loan even though the supplier is not implementing all of the water demand management measures described in Section 10631, if an urban water supplier submits to the department for approval documentation demonstrating that a water demand management measure is not locally cost effective. If the department determines that the documentation submitted by the urban water supplier fails to demonstrate that a water demand management measure is not locally cost effective, the department shall notify the urban water supplier and the agency administering the grant or loan program within 120 days that the documentation does not satisfy the requirements for an exemption, and include in that notification a detailed statement to support the determination.

(B) For purposes of this paragraph, "not locally cost effective" means that the present value of the local benefits of implementing a water demand management measure is less than the present value of the local costs of implementing that measure.

(b) (1) The department, in consultation with the state board and the California Bay-Delta Authority or its successor agency, and after soliciting public comment regarding eligibility requirements, shall develop eligibility requirements to implement the requirement of paragraph (1) of subdivision (a). In establishing these eligibility requirements, the department shall do both of the following:

(A) Consider the conservation measures described in the Memorandum of Understanding Regarding Urban Water Conservation in California, and alternative conservation approaches that provide equal or greater water savings.

(B) Recognize the different legal, technical, fiscal, and practical roles and responsibilities of wholesale water suppliers and retail water suppliers.

(2) (A) For the purposes of this section, the department shall determine whether an urban water supplier is implementing all of the water demand management measures described in Section 10631 based on either, or a combination, of the following:

- (i) Compliance on an individual basis.
 - (ii) Compliance on a regional basis. Regional compliance shall require participation in a regional conservation program consisting of two or more urban water suppliers that achieves the level of conservation or water efficiency savings equivalent to the amount of conservation or savings achieved if each of the participating urban water suppliers implemented the water demand management measures. The urban water supplier administering the regional program shall provide participating urban water suppliers and the department with data to demonstrate that the regional program is consistent with this clause. The department shall review the data to determine whether the urban water suppliers in the regional program are meeting the eligibility requirements.
- (B) The department may require additional information for any determination pursuant to this section.
- (3) The department shall not deny eligibility to an urban water supplier in compliance with the requirements of this section that is participating in a multiagency water project, or an integrated regional water management plan, developed pursuant to Section 75026 of the Public Resources Code, solely on the basis that one or more of the agencies participating in the project or plan is not implementing all of the water demand management measures described in Section 10631.
- (c) In establishing guidelines pursuant to the specific funding authorization for any water management grant or loan program subject to this section, the agency administering the grant or loan program shall include in the guidelines the eligibility requirements developed by the department pursuant to subdivision (b).
- (d) Upon receipt of a water management grant or loan application by an agency administering a grant and loan program subject to this section, the agency shall request an eligibility determination from the department with respect to the requirements of this section. The department shall respond to the request within 60 days of the request.
- (e) The urban water supplier may submit to the department copies of its annual reports and other relevant documents to assist the department in determining whether the urban water supplier is implementing or scheduling the implementation of water demand management activities. In addition, for urban water suppliers that are signatories to the Memorandum of Understanding Regarding Urban Water Conservation in California and submit biennial reports to the California Urban Water Conservation Council in accordance with the memorandum, the department may use these reports to assist in tracking the implementation of water demand management measures.

- (f) This section shall remain in effect only until July 1, 2016, and as of that date is repealed, unless a later enacted statute, that is enacted before July 1, 2016, deletes or extends that date.

10631.7. The department, in consultation with the California Urban Water Conservation Council, shall convene an independent technical panel to provide information and recommendations to the department and the Legislature on new demand management measures, technologies, and approaches. The panel shall consist of no more than seven members, who shall be selected by the department to reflect a balanced representation of experts. The panel shall have at least one, but no more than two, representatives from each of the following: retail water suppliers, environmental organizations, the business community, wholesale water suppliers, and academia. The panel shall be convened by January 1, 2009, and shall report to the Legislature no later than January 1, 2010, and every five years thereafter. The department shall review the panel report and include in the final report to the Legislature the department's recommendations and comments regarding the panel process and the panel's recommendations.

10632. (a) The plan shall provide an urban water shortage contingency analysis that includes each of the following elements that are within the authority of the urban water supplier:
- (1) Stages of action to be undertaken by the urban water supplier in response to water supply shortages, including up to a 50 percent reduction in water supply, and an outline of specific water supply conditions that are applicable to each stage.
 - (2) An estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency's water supply.
 - (3) Actions to be undertaken by the urban water supplier to prepare for, and implement during, a catastrophic interruption of water supplies including, but not limited to, a regional power outage, an earthquake, or other disaster.
 - (4) Additional, mandatory prohibitions against specific water use practices during water shortages, including, but not limited to, prohibiting the use of potable water for street cleaning.
 - (5) Consumption reduction methods in the most restrictive stages. Each urban water supplier may use any type of consumption reduction methods in its water shortage contingency analysis that would reduce water use, are

appropriate for its area, and have the ability to achieve a water use reduction consistent with up to a 50 percent reduction in water supply.

- (6) Penalties or charges for excessive use, where applicable.
 - (7) An analysis of the impacts of each of the actions and conditions described in paragraphs (1) to (6), inclusive, on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts, such as the development of reserves and rate adjustments.
 - (8) A draft water shortage contingency resolution or ordinance.
 - (9) A mechanism for determining actual reductions in water use pursuant to the urban water shortage contingency analysis.
- (b) Commencing with the urban water management plan update due July 1, 2016, for purposes of developing the water shortage contingency analysis pursuant to subdivision (a), the urban water supplier shall analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas, as defined in subdivision (a) of Section 115921 of the Health and Safety Code.

10633. The plan shall provide, to the extent available, information on recycled water and its potential for use as a water source in the service area of the urban water supplier. The preparation of the plan shall be coordinated with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area, and shall include all of the following:

- (a) A description of the wastewater collection and treatment systems in the supplier's service area, including a quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.
- (b) A description of the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.
- (c) A description of the recycled water currently being used in the supplier's service area, including, but not limited to, the type, place, and quantity of use.
- (d) A description and quantification of the potential uses of recycled water, including, but not limited to, agricultural irrigation, landscape irrigation, wildlife habitat enhancement, wetlands, industrial reuse, groundwater recharge, indirect potable reuse, and other appropriate uses, and a determination with regard to the technical and economic feasibility of serving those uses.

- (e) The projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected pursuant to this subdivision.
- (f) A description of actions, including financial incentives, which may be taken to encourage the use of recycled water, and the projected results of these actions in terms of acre-feet of recycled water used per year.
- (g) A plan for optimizing the use of recycled water in the supplier's service area, including actions to facilitate the installation of dual distribution systems, to promote recirculating uses, to facilitate the increased use of treated wastewater that meets recycled water standards, and to overcome any obstacles to achieving that increased use.

10634. The plan shall include information, to the extent practicable, relating to the quality of existing sources of water available to the supplier over the same five-year increments as described in subdivision (a) of Section 10631, and the manner in which water quality affects water management strategies and supply reliability.

Article 2.5. Water Service Reliability

SECTION 10635

10635. (a) Every urban water supplier shall include, as part of its urban water management plan, an assessment of the reliability of its water service to its customers during normal, dry, and multiple dry water years. This water supply and demand assessment shall compare the total water supply sources available to the water supplier with the total projected water use over the next 20 years, in five-year increments, for a normal water year, a single dry water year, and multiple dry water years. The water service reliability assessment shall be based upon the information compiled pursuant to Section 10631, including available data from state, regional, or local agency population projections within the service area of the urban water supplier.
- (b) The urban water supplier shall provide that portion of its urban water management plan prepared pursuant to this article to any city or county within which it provides water supplies no later than 60 days after the submission of its urban water management plan.
- (c) Nothing in this article is intended to create a right or entitlement to water service or any specific level of water service.

- (d) Nothing in this article is intended to change existing law concerning an urban water supplier's obligation to provide water service to its existing customers or to any potential future customers.

Article 3. Adoption and Implementation of Plans

SECTION 10640-10645

10640. Every urban water supplier required to prepare a plan pursuant to this part shall prepare its plan pursuant to Article 2 (commencing with Section 10630). The supplier shall likewise periodically review the plan as required by Section 10621, and any amendments or changes required as a result of that review shall be adopted pursuant to this article.

10641. An urban water supplier required to prepare a plan may consult with, and obtain comments from, any public agency or state agency or any person who has special expertise with respect to water demand management methods and techniques.

10642. Each urban water supplier shall encourage the active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan. Prior to adopting a plan, the urban water supplier shall make the plan available for public inspection and shall hold a public hearing thereon. Prior to the hearing, notice of the time and place of hearing shall be published within the jurisdiction of the publicly owned water supplier pursuant to Section 6066 of the Government Code. The urban water supplier shall provide notice of the time and place of hearing to any city or county within which the supplier provides water supplies. A privately owned water supplier shall provide an equivalent notice within its service area.

After the hearing, the plan shall be adopted as prepared or as modified after the hearing.

10643. An urban water supplier shall implement its plan adopted pursuant to this chapter in accordance with the schedule set forth in its plan.

10644. (a) (1) An urban water supplier shall submit to the department, the California State Library, and any city or county within which the supplier provides water supplies a copy of its plan no later than 30 days after adoption. Copies of amendments or changes to the plans shall be submitted to the department, the California State Library, and any city or county within which the supplier provides water supplies within 30 days after adoption.

(2) The plan, or amendments to the plan, submitted to the department pursuant to paragraph (1) shall be submitted electronically and shall include any standardized forms, tables, or displays specified by the department.

- (b) (1) Notwithstanding Section 10231.5 of the Government Code, the department shall prepare and submit to the Legislature, on or before December 31, in the years ending in six and one, a report summarizing the status of the plans adopted pursuant to this part.

The report prepared by the department shall identify the exemplary elements of the individual plans. The department shall provide a copy of the report to each urban water supplier that has submitted its plan to the department. The department shall also prepare reports and provide data for any legislative hearings designed to consider the effectiveness of plans submitted pursuant to this part.

- (2) A report to be submitted pursuant to paragraph (1) shall be submitted in compliance with Section 9795 of the Government Code.

- (c) (1) For the purpose of identifying the exemplary elements of the individual plans, the department shall identify in the report water demand management measures adopted and implemented by specific urban water suppliers, and identified pursuant to Section 10631, that achieve water savings significantly above the levels established by the department to meet the requirements of Section 10631.5.

- (2) The department shall distribute to the panel convened pursuant to Section 10631.7 the results achieved by the implementation of those water demand management measures described in paragraph (1).

- (3) The department shall make available to the public the standard the department will use to identify exemplary water demand management measures.

10645. Not later than 30 days after filing a copy of its plan with the department, the urban water supplier and the department shall make the plan available for public review during normal business hours.

Chapter 4. Miscellaneous Provisions

SECTION 10650-10656

10650. Any actions or proceedings to attack, review, set aside, void, or annul the acts or decisions of an urban water supplier on the grounds of noncompliance with this part shall be commenced as follows:

- (a) An action or proceeding alleging failure to adopt a plan shall be commenced within 18 months after that adoption is required by this part.

- (b) Any action or proceeding alleging that a plan, or action taken pursuant to the plan, does not comply with this part shall be commenced within 90 days after filing of the plan or amendment thereto pursuant to Section 10644 or the taking of that action.
10651. In any action or proceeding to attack, review, set aside, void, or annul a plan, or an action taken pursuant to the plan by an urban water supplier on the grounds of noncompliance with this part, the inquiry shall extend only to whether there was a prejudicial abuse of discretion. Abuse of discretion is established if the supplier has not proceeded in a manner required by law or if the action by the water supplier is not supported by substantial evidence.
10652. The California Environmental Quality Act (Division 13 (commencing with Section 21000) of the Public Resources Code) does not apply to the preparation and adoption of plans pursuant to this part or to the implementation of actions taken pursuant to Section 10632. Nothing in this part shall be interpreted as exempting from the California Environmental Quality Act any project that would significantly affect water supplies for fish and wildlife, or any project for implementation of the plan, other than projects implementing Section 10632, or any project for expanded or additional water supplies.
10653. The adoption of a plan shall satisfy any requirements of state law, regulation, or order, including those of the State Water Resources Control Board and the Public Utilities Commission, for the preparation of water management plans or conservation plans; provided, that if the State Water Resources Control Board or the Public Utilities Commission requires additional information concerning water conservation to implement its existing authority, nothing in this part shall be deemed to limit the board or the commission in obtaining that information. The requirements of this part shall be satisfied by any urban water demand management plan prepared to meet federal laws or regulations after the effective date of this part, and which substantially meets the requirements of this part, or by any existing urban water management plan which includes the contents of a plan required under this part.
10654. An urban water supplier may recover in its rates the costs incurred in preparing its plan and implementing the reasonable water conservation measures included in the plan. Any best water management practice that is included in the plan that is identified in the "Memorandum of Understanding Regarding Urban Water Conservation in California" is deemed to be reasonable for the purposes of this section.
10655. If any provision of this part or the application thereof to any person or circumstances is held invalid, that invalidity shall not affect other provisions or applications of this part which can be given effect without the invalid provision or application thereof, and to this end the provisions of this part are severable.
10656. An urban water supplier that does not prepare, adopt, and submit its urban water management plan to the department in accordance with this part, is ineligible to receive funding pursuant to Division 24 (commencing with Section 78500) or Division 26

(commencing with Section 79000), or receive drought assistance from the state until the urban water management plan is submitted pursuant to this article.

APPENDIX B

DWR Standardized Tables

Table 2-1 Retail Only: Public Water Systems

Public Water System Number	Public Water System Name	Number of Municipal Connections 2015	Volume of Water Supplied 2015
CA1910245	City of Santa Fe Springs	6,347	6,369
TOTAL		6,347	6,369
NOTES: Includes Recycled Water			

Table 2-2: Plan Identification		
Select Only One	Type of Plan	Name of RUWMP or Regional Alliance <i>if applicable</i> <i>drop down list</i>
<input checked="" type="checkbox"/>	Individual UWMP	
	<input type="checkbox"/> Water Supplier is also a member of a RUWMP	
	<input checked="" type="checkbox"/> Water Supplier is also a member of a Regional Alliance	Gateway Regional Alliance
<input type="checkbox"/>	Regional Urban Water Management Plan (RUWMP)	
NOTES:		

Table 2-3: Agency Identification	
Type of Agency (select one or both)	
<input type="checkbox"/>	Agency is a wholesaler
<input checked="" type="checkbox"/>	Agency is a retailer
Fiscal or Calendar Year (select one)	
<input checked="" type="checkbox"/>	UWMP Tables Are in Calendar Years
<input type="checkbox"/>	UWMP Tables Are in Fiscal Years
If Using Fiscal Years Provide Month and Date that the Fiscal Year Begins (mm/dd)	
Units of Measure Used in UWMP (select from Drop down)	
Unit	AF
NOTES:	

Table 2-4 Retail: Water Supplier Information Exchange
The retail supplier has informed the following wholesale supplier(s) of projected water use in accordance with CWC 10631.
Wholesale Water Supplier Name <i>(Add additional rows as needed)</i>
Central Basin Municipal Water District (CBMWD)
NOTES:

Table 3-1 Retail: Population - Current and Projected

Population Served	2015	2020	2025	2030	2035	2040 (<i>opt</i>)
	14,644	15,266	15,920	16,601	17,313	18,054

NOTES: Based on 2015 population using the DWR Population Tool (see Section 5.4.1) and projected populations from the Southern California Association of Governments (SCAG) for the City

Table 4-1 Retail: Demands for Potable and Raw Water - Actual

Use Type (Add additional rows as needed)	2015 Actual		
Drop down list <i>May select each use multiple times</i> <i>These are the only Use Types that will be recognized by the WUEdata online submittal tool</i>	Additional Description (as needed)	Level of Treatment When Delivered <i>Drop down list</i>	Volume
Single Family		Drinking Water	1,277
Commercial		Drinking Water	3,894
Losses		Drinking Water	170
Other	Unbilled water	Drinking Water	89
TOTAL			5,430
NOTES:			

Table 4-2 Retail: Demands for Potable and Raw Water - Projected

Use Type <i>(Add additional rows as needed)</i>	Additional Description <i>(as needed)</i>	Projected Water Use <i>Report To the Extent that Records are Available</i>				
<u><i>Drop down list</i></u> <i>May select each use multiple times</i> <i>These are the only Use Types that will be recognized by the</i> <i>WUEdata online submittal tool</i>		2020	2025	2030	2035	2040-opt
Single Family		1,710	1,783	1,860	1,939	2,022
Commercial		3,330	3,482	3,639	3,803	3,975
Losses		172	173	175	177	179
Other	Unbilled Water	90	91	92	93	94
TOTAL		5,302	5,529	5,766	6,012	6,270
NOTES:						

Table 4-3 Retail: Total Water Demands

	2015	2020	2025	2030	2035	2040 (opt)
Potable and Raw Water <i>From Tables 4-1 and 4-2</i>	5,430	5,302	5,529	5,766	6,012	6,270
Recycled Water Demand* <i>From Table 6-4</i>	939	914	953	994	1,036	1,081
TOTAL WATER DEMAND	6,369	6,216	6,482	6,760	7,048	7,351

**Recycled water demand fields will be blank until Table 6-4 is complete.*

NOTES:

Table 4-4 Retail: 12 Month Water Loss Audit Reporting	
Reporting Period Start Date (mm/yyyy)	Volume of Water Loss*
07/2015	170
* Taken from the field "Water Losses" (a combination of apparent losses and real losses) from the AWWA worksheet.	
NOTES: AWWA worksheet provided in Appendix E.	

Table 4-5 Retail Only: Inclusion in Water Use Projections

Are Future Water Savings Included in Projections? (Refer to Appendix K of UWMP Guidebook) <i>Drop down list (y/n)</i>	Yes
If "Yes" to above, state the section or page number, in the cell to the right, where citations of the codes, ordinances, etc... utilized in demand projections are found.	Section 4.4 and Chapter 8
Are Lower Income Residential Demands Included In Projections? <i>Drop down list (y/n)</i>	Yes
NOTES:	

Table 5-1 Baselines and Targets Summary*Retail Agency or Regional Alliance Only*

Baseline Period	Start Year	End Year	Average Baseline GPCD*	2015 Interim Target *	Confirmed 2020 Target*
10-15 year	1999	2008	101	101	100
5 Year	2003	2007	106		

*All values are in Gallons per Capita per Day (GPCD)

NOTES:

Table 5-2: 2015 Compliance*Retail Agency or Regional Alliance Only*

Actual 2015 GPCD*	2015 Interim Target GPCD*	Optional Adjustments to 2015 GPCD					2015 GPCD* (Adjusted if applicable)	Did Supplier Achieve Targeted Reduction for 2015? Y/N
		Enter "0" if no adjustment is made						
		Methodology 8						
		Extraordinary Events*	Economic Adjustment*	Weather Normalization*	TOTAL Adjustments*	Adjusted 2015 GPCD*		
83	101	0	0	0	0	83	83	Yes

**All values are in Gallons per Capita per Day (GPCD)*

NOTES:

Table 6-1 Retail: Groundwater Volume Pumped

<input type="checkbox"/>	Supplier does not pump groundwater. The supplier will not complete the table below.					
Groundwater Type <i>Drop Down List</i> <i>May use each category multiple times</i>	Location or Basin Name	2011	2012	2013	2014	2015
Add additional rows as needed						
Alluvial Basin	Central Groundwater Basin	1,210	1,314	1,310	20	0
TOTAL		1,210	1,314	1,310	20	0
NOTES: Wells not operating during 2014 and 2015						

Table 6-2 Retail: Wastewater Collected Within Service Area in 2015						
<input type="checkbox"/>	There is no wastewater collection system. The supplier will not complete the table below.					
Percentage of 2015 service area covered by wastewater collection system <i>(optional)</i>						
Percentage of 2015 service area population covered by wastewater collection system <i>(optional)</i>						
Wastewater Collection			Recipient of Collected Wastewater			
Name of Wastewater Collection Agency	Wastewater Volume Metered or Estimated? <i>Drop Down List</i>	Volume of Wastewater Collected from UWMP Service Area 2015	Name of Wastewater Treatment Agency Receiving Collected Wastewater	Treatment Plant Name	Is WWTP Located Within UWMP Area? <i>Drop Down List</i>	Is WWTP Operation Contracted to a Third Party? <i>(optional)</i> <i>Drop Down List</i>
<i>Add additional rows as needed</i>						
City of Santa Fe Springs	Estimated	990	Sanitation Districts of Los Angeles County	Los Coyotes Water Reclamation Plant and Long Beach Water Reclamation Plant	No	No
Total Wastewater Collected from Service Area in 2015:		990				
NOTES: Volume of wastewater (AF) based on 60 gpcd generated.						

Table 6-3 Retail: Wastewater Treatment and Discharge Within Service Area in 2015

<input checked="" type="checkbox"/>		No wastewater is treated or disposed of within the UWMP service area. The supplier will not complete the table below.									
Wastewater Treatment Plant Name	Discharge Location Name or Identifier	Discharge Location Description	Wastewater Discharge ID Number <i>(optional)</i>	Method of Disposal <i>Drop down list</i>	Does This Plant Treat Wastewater Generated Outside the Service Area?	Treatment Level <i>Drop down list</i>	2015 volumes				
							Wastewater Treated	Discharged Treated Wastewater	Recycled Within Service Area	Recycled Outside of Service Area	
Add additional rows as needed											
Total							0	0	0	0	
NOTES:											

Table 6-4 Retail: Current and Projected Recycled Water Direct Beneficial Uses Within Service Area

<input type="checkbox"/> Recycled water is not used and is not planned for use within the service area of the supplier. The supplier will not complete the table below.								
Name of Agency Producing (Treating) the Recycled Water:		Sanitation Districts of Los Angeles County						
Name of Agency Operating the Recycled Water Distribution System:		Central Basin Municipal Water District						
Supplemental Water Added in 2015		939 AF						
Source of 2015 Supplemental Water		Los Coyotes Water Reclamation Plant and San Jose Creek Water Reclamation Plant						
Beneficial Use Type	General Description of 2015 Uses	Level of Treatment <i>Drop down list</i>	2015	2020	2025	2030	2035	2040 (opt)
Agricultural irrigation								
Landscape irrigation (excludes golf courses)	School Fields, Parks, Business Parks, Walkways, Roadway Medians	Tertiary	563	548	572	596	622	649
Golf course irrigation								
Commercial use								
Industrial use	Carpet Manufacturing, Cooling Tower, Concrete Mixing	Tertiary	376	366	381	398	414	432
Geothermal and other energy production								
Seawater intrusion barrier								
Recreational impoundment								
Wetlands or wildlife habitat								
Groundwater recharge (IPR)*								
Surface water augmentation (IPR)*								
Direct potable reuse								
Other (Provide General Description)								
Total:			939	914	953	994	1,036	1,081
<i>*IPR - Indirect Potable Reuse</i>								
NOTES:								

Table 6-5 Retail: 2010 UWMP Recycled Water Use Projection Compared to 2015 Actual

<input type="checkbox"/>		Recycled water was not used in 2010 nor projected for use in 2015. The supplier will not complete the table below.	
Use Type		2010 Projection for 2015	2015 Actual Use
Agricultural irrigation			
Landscape irrigation (excludes golf courses)		549	563
Golf course irrigation			
Commercial use			
Industrial use		230	376
Geothermal and other energy production			
Seawater intrusion barrier			
Recreational impoundment			
Wetlands or wildlife habitat			
Groundwater recharge (IPR)			
Surface water augmentation (IPR)			
Direct potable reuse			
Other	<i>Type of Use</i>		
Total		779	939
NOTES:			

Table 6-6 Retail: Methods to Expand Future Recycled Water Use

<input checked="" type="checkbox"/>	Supplier does not plan to expand recycled water use in the future. Supplier will not complete the table below but will provide narrative explanation.		
	Provide page location of narrative in UWMP		
Name of Action	Description	Planned Implementation Year	Expected Increase in Recycled Water Use
Add additional rows as needed			
Total			0
NOTES:			

Table 6-7 Retail: Expected Future Water Supply Projects or Programs

<input type="checkbox"/>	No expected future water supply projects or programs that provide a quantifiable increase to the agency's water supply. Supplier will not complete the table below.					
<input type="checkbox"/>	Some or all of the supplier's future water supply projects or programs are not compatible with this table and are described in a narrative format.					
	Provide page location of narrative in the UWMP					
Name of Future Projects or Programs	Joint Project with other agencies?		Description (if needed)	Planned Implementation Year	Planned for Use in Year Type <i>Drop Down List</i>	Expected Increase in Water Supply to Agency <i>This may be a range</i>
	<i>Drop Down List (y/n)</i>	<i>If Yes, Agency Name</i>				
<i>Add additional rows as needed</i>						
Treatment Facilities	No		Groundwater Water Quality Treatment	FY 17-18	All Year Types	2,000 gpm
NOTES:						

Table 6-8 Retail: Water Supplies — Actual

Water Supply	Additional Detail on Water Supply	2015		
Drop down list <i>May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool</i>		Actual Volume	Water Quality <i>Drop Down List</i>	Total Right or Safe Yield (optional)
Add additional rows as needed				
Purchased or Imported Water	CBMWD WQPP	2,716	Drinking Water	
Purchased or Imported Water	MWD	2,714	Drinking Water	
Groundwater	Central Basin Wells	0	Raw Water	
Recycled Water	CBMWD	939	Recycled Water	
Total		6,369		0
NOTES:				

Table 6-9 Retail: Water Supplies — Projected

Water Supply	Additional Detail on Water Supply	Projected Water Supply Report To the Extent Practicable									
<i>Drop down list</i> <i>May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool</i>		2020		2025		2030		2035		2040 <i>(opt)</i>	
		Reasonably Available Volume	Total Right or Safe Yield <i>(optional)</i>	Reasonably Available Volume	Total Right or Safe Yield <i>(optional)</i>	Reasonably Available Volume	Total Right or Safe Yield <i>(optional)</i>	Reasonably Available Volume	Total Right or Safe Yield <i>(optional)</i>	Reasonably Available Volume	Total Right or Safe Yield <i>(optional)</i>
Add additional rows as needed											
Purchased or Imported Water	CB WQPP*	2,000		2,000		2,000		2,000		2,000	
Groundwater	CB Wells	1,302		1,529		1,766		2,012		2,270	
Purchased or Imported Water	MWD	2,000		2,000		2,000		2,000		2,000	
Recycled Water	CBMWD	914		953		994		1,036		1,081	
	Total	6,216	0	6,482	0	6,760	0	7,048	0	7,351	0
NOTES: *CB WQPP volume is based on contracted minimal amount of 1,250 gpm (about 2,000 AFY)											

Table 7-1 Retail: Basis of Water Year Data

Year Type	Base Year <i>If not using a calendar year, type in the last year of the fiscal, water year, or range of years, for example, water year 1999-2000, use 2000</i>	Available Supplies if Year Type Repeats	
		<input type="checkbox"/>	Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____
		<input checked="" type="checkbox"/>	Quantification of available supplies is provided in this table as either volume only, percent only, or both.
		Volume Available	% of Average Supply
Average Year	2010	6722	100%
Single-Dry Year	2012	7174	107%
Multiple-Dry Years 1st Year	2012	7174	107%
Multiple-Dry Years 2nd Year	2013	7407	110%
Multiple-Dry Years 3rd Year	2014	7134	106%
Multiple-Dry Years 4th Year <i>Optional</i>			
Multiple-Dry Years 5th Year <i>Optional</i>			
Multiple-Dry Years 6th Year <i>Optional</i>			
Agency may use multiple versions of Table 7-1 if different water sources have different base years and the supplier chooses to report the base years for each water source separately. If an agency uses multiple versions of Table 7-1, in the "Note" section of each table, state that multiple versions of Table 7-1 are being used and identify the particular water source that is being reported in each table.			
NOTES:			

Table 7-2 Retail: Normal Year Supply and Demand Comparison					
	2020	2025	2030	2035	2040 (Opt)
Supply totals (autofill from Table 6-9)	6,216	6,482	6,760	7,048	7,351
Demand totals (autofill from Table 4-3)	6,216	6,482	6,760	7,048	7,351
Difference	0	0	0	0	0
NOTES:					

Table 7-3 Retail: Single Dry Year Supply and Demand Comparison

	2020	2025	2030	2035	2040 (Opt)
Supply totals	6,634	6,918	7,215	7,522	7,845
Demand totals	6,634	6,918	7,215	7,522	7,845
Difference	0	0	0	0	0
NOTES: Normal year water supplies were projected and multiplied by a single dry year factor of 107%.					

Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison

		2020	2025	2030	2035	2040 (Opt)
First year	Supply totals	6,634	6,918	7,215	7,522	7,845
	Demand totals	6,634	6,918	7,215	7,522	7,845
	Difference	0	0	0	0	0
Second year	Supply totals	6,849	7,143	7,449	7,766	8,100
	Demand totals	6,849	7,143	7,449	7,766	8,100
	Difference	0	0	0	0	0
Third year	Supply totals	6,597	6,879	7,174	7,480	7,802
	Demand totals	6,597	6,879	7,174	7,480	7,802
	Difference	0	0	0	0	0
Fourth year <i>(optional)</i>	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0
Fifth year <i>(optional)</i>	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0
Sixth year <i>(optional)</i>	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0

NOTES: Normal year water supplies were projected and multiplied by multiple dry year factors as follows: First Year: 107% of average year demand, Second year: 110% of average year demand and Third Year: 106% of average year demand.

**Table 8-1 Retail
Stages of Water Shortage Contingency Plan**

Stage	Complete Both	
	Percent Supply Reduction ¹ <i>Numerical value as a percent</i>	Water Supply Condition <i>(Narrative description)</i>
<i>Add additional rows as needed</i>		
1*	10%	A Stage 1 Water Supply Shortage exists when the City determines that due to drought or other water supply reductions, a water supply shortage exists. The type of event prompting this stage may include, among other factors, a finding that CBMWD calls for extraordinary water conservation.
2		Maximum Allowable Percentages of Base Period, which vary depending on Stage of water conservation, are in effect for the City's water customers.
3		Maximum Allowable Percentages of Base Period, which vary depending on Stage of water conservation, are in effect for the City's water customers.
4		Maximum Allowable Percentages of Base Period, which vary depending on Stage of water conservation, are in effect for the City's water customers.
5	up to 50%	Maximum Allowable Percentages of Base Period, which vary depending on Stage of water conservation, are in effect for the City's water customers.
¹ One stage in the Water Shortage Contingency Plan must address a water shortage of 50%.		
<p>NOTES:</p> <p>The City will determine the Stage of water conservation necessary to accomplish water conservation requirements, which is based on the severity of the water supply shortage.</p> <p>* As of June 2015, the City's overall water use reduction goal is 16 percent, which is intended to address SWRCB's 2015 mandated statewide water use reduction goal of 25 percent.</p>		

Table 8-2 Retail Only: Restrictions and Prohibitions on End Uses

Stage	Restrictions and Prohibitions on End Users <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	Additional Explanation or Reference <i>(optional)</i>	Penalty, Charge, or Other Enforcement? <i>Drop Down List</i>
<i>Add additional rows as needed</i>			
All Stages	Landscape - Restrict or prohibit runoff from landscape irrigation		Yes
All Stages	Landscape - Limit landscape irrigation to specific times		Yes
All Stages	Landscape - Limit landscape irrigation to specific days		Yes
All Stages	CII - Lodging establishment must offer opt out of linen service		Yes
All Stages	CII - Restaurants may only serve water upon request		Yes
All Stages	Water Features - Restrict water use for decorative water features, such as fountains		Yes
All Stages	Other - Require automatic shut of hoses		Yes
All Stages	Other - Prohibit use of potable water for washing hard surfaces		Yes
NOTES: Restrictions and Prohibitions are listed in Santa Fe Springs Code of Ordinances, Title V, Chapter 54 (Ordinance 1065, adopted May 28, 2015).			

Table 8-3 Retail Only:
Stages of Water Shortage Contingency Plan - Consumption Reduction Methods

Stage	Consumption Reduction Methods by Water Supplier <i>Drop down list</i> <i>These are the only categories that will be accepted by the WUEdata online submittal tool</i>	Additional Explanation or Reference <i>(optional)</i>
<i>Add additional rows as needed</i>		
All Stages	Offer Water Use Surveys	The City offers water conservation kits to residential customers. The kit includes faucet aerators, low flow shower heads, toilet tank dams, water saving information, and a simple water audit guide.
All Stages	Provide Rebates on Plumbing Fixtures and Devices	CBMWD offers rebates on high efficiency clothes washers, premium high efficiency toilets, weather-based irrigation controllers, soil moisture sensors, rotating sprinkler nozzles, and rain barrels/cisterns.
All Stages	Reduce System Water Loss	The City inspects for leaks on a daily basis. Main line water leaks are monitored electronically.
All Stages	Expand Public Information Campaign	Public information materials from CBMWD and MWD are provided to the City's customers by mail, City newsletters, and at public facilities.
NOTES:		

Table 8-4 Retail: Minimum Supply Next Three Years			
	2016	2017	2018
Available Water Supply	7,174	7,407	7,134
NOTES: Volumes based on water supplies of driest 3-year historic sequence (2012 to 2014).			

Table 10-1 Retail: Notification to Cities and Counties

City Name	60 Day Notice	Notice of Public Hearing
Add additional rows as needed		
Santa Fe Springs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Norwalk	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Downey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
County Name <i>Drop Down List</i>	60 Day Notice	Notice of Public Hearing
Add additional rows as needed		
Los Angeles County	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>

APPENDIX C

Completed Plan Checklist

Checklist Arranged by Water Code Section

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location <i>(Optional Column for Agency Use)</i>
10608.20(b)	Retail suppliers shall adopt a 2020 water use target using one of four methods.	Baselines and Targets	Section 5.7 and App E	Section 5.7
10608.20(e)	Retail suppliers shall provide baseline daily per capita water use, urban water use target, interim urban water use target, and compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.	Baselines and Targets	Chapter 5 and App E	Chapter 5 Appendix G
10608.22	Retail suppliers' per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use of the 5 year baseline. This does not apply if the suppliers base GPCD is at or below 100.	Baselines and Targets	Section 5.7.2	Section 5.7.2
10608.24(a)	Retail suppliers shall meet their interim target by December 31, 2015.	Baselines and Targets	Section 5.8 and App E	Section 5.8
10608.24(d)(2)	If the retail supplier adjusts its compliance GPCD using weather normalization, economic adjustment, or extraordinary events, it shall provide the basis for, and data supporting the adjustment.	Baselines and Targets	Section 5.8.2	Section 5.8.2
10608.26(a)	Retail suppliers shall conduct a public hearing to discuss adoption, implementation, and economic impact of water use targets.	Plan Adoption, Submittal, and Implementation	Section 10.3	Section 10.3
10608.36	Wholesale suppliers shall include an assessment of present and proposed future measures, programs, and policies to help their retail water suppliers achieve targeted water use reductions.	Baselines and Targets	Section 5.1	Not Applicable
10608.40	Retail suppliers shall report on their progress in meeting their water use targets. The data shall be reported using a standardized form.	Baselines and Targets	Section 5.8 and App E	Section 5.8
10620(b)	Every person that becomes an urban water supplier shall adopt an urban water management plan within one year after it has become an urban water supplier.	Plan Preparation	Section 2.1	Section 2.1
10620(d)(2)	Coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.	Plan Preparation	Section 2.5.2	Section 2.5.2

10620(f)	Describe water management tools and options to maximize resources and minimize the need to import water from other regions.	Water Supply Reliability Assessment	Section 7.4	Section 7.4
10621(b)	Notify, at least 60 days prior to the public hearing, any city or county within which the supplier provides water that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan.	Plan Adoption, Submittal, and Implementation	Section 10.2.1	Section 10.2.1
10621(d)	Each urban water supplier shall update and submit its 2015 plan to the department by July 1, 2016.	Plan Adoption, Submittal, and Implementation	Sections 10.3.1 and 10.4	Sections 10.3.1 and 10.4
10631(a)	Describe the water supplier service area.	System Description	Section 3.1	Section 3.1
10631(a)	Describe the climate of the service area of the supplier.	System Description	Section 3.3	Section 3.3
10631(a)	Indicate the current population of the service area.	System Description and Baselines and Targets	Sections 3.4 and 5.4	Sections 3.4 and 5.4
10631(a)	Provide population projections for 2020, 2025, 2030, and 2035.	System Description	Section 3.4	Section 3.4
10631(a)	Describe other demographic factors affecting the supplier's water management planning.	System Description	Section 3.4	Section 3.4
10631(b)	Identify and quantify the existing and planned sources of water available for 2015, 2020, 2025, 2030, and 2035.	System Supplies	Chapter 6	Chapter 6
10631(b)	Indicate whether groundwater is an existing or planned source of water available to the supplier.	System Supplies	Section 6.2	Section 6.2
10631(b)(1)	Indicate whether a groundwater management plan has been adopted by the water supplier or if there is any other specific authorization for groundwater management. Include a copy of the plan or authorization.	System Supplies	Section 6.2.2	Section 6.2.2
10631(b)(2)	Describe the groundwater basin.	System Supplies	Section 6.2.1	Section 6.2.1
10631(b)(2)	Indicate if the basin has been adjudicated and include a copy of the court order or decree and a description of the amount of water the supplier has the legal right to pump.	System Supplies	Section 6.2.2	Section 6.2.2
10631(b)(2)	For unadjudicated basins, indicate whether or not the department has identified the basin as overdrafted, or projected to become overdrafted. Describe efforts by the supplier to eliminate the long-term overdraft condition.	System Supplies	Section 6.2.3	Section 6.2.3
10631(b)(3)	Provide a detailed description and analysis of the location, amount, and sufficiency of	System Supplies	Section 6.2.4	Section 6.2.4

	groundwater pumped by the urban water supplier for the past five years			
10631(b)(4)	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	System Supplies	Sections 6.2 and 6.9	Sections 6.2 and 6.9
10631(c)(1)	Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage.	Water Supply Reliability Assessment	Section 7.1	Section 7.1
10631(c)(1)	Provide data for an average water year, a single dry water year, and multiple dry water years	Water Supply Reliability Assessment	Section 7.2	Section 7.2
10631(c)(2)	For any water source that may not be available at a consistent level of use, describe plans to supplement or replace that source.	Water Supply Reliability Assessment	Section 7.1	Section 7.1
10631(d)	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	System Supplies	Section 6.7	Section 6.7
10631(e)(1)	Quantify past, current, and projected water use, identifying the uses among water use sectors.	System Water Use	Section 4.2	Section 4.2
10631(e)(3)(A)	Report the distribution system water loss for the most recent 12-month period available.	System Water Use	Section 4.3	Section 4.3
10631(f)(1)	Retail suppliers shall provide a description of the nature and extent of each demand management measure implemented over the past five years. The description will address specific measures listed in code.	Demand Management Measures	Sections 9.2 and 9.3	Sections 9.2 and 9.3
10631(f)(2)	Wholesale suppliers shall describe specific demand management measures listed in code, their distribution system asset management program, and supplier assistance program.	Demand Management Measures	Sections 9.1 and 9.3	Not Applicable
10631(g)	Describe the expected future water supply projects and programs that may be undertaken by the water supplier to address water supply reliability in average, single-dry, and multiple-dry years.	System Supplies	Section 6.8	Section 6.8
10631(h)	Describe desalinated water project opportunities for long-term supply.	System Supplies	Section 6.6	Section 6.6
10631(i)	CUWCC members may submit their 2013-2014 CUWCC BMP annual reports in lieu of, or in addition to, describing the DMM implementation in their UWMPs. This option is only allowable if the supplier has been found to be in full compliance with the CUWCC MOU.	Demand Management Measures	Section 9.5	Section 9.5
10631(j)	Retail suppliers will include documentation that they have provided their wholesale supplier(s) – if any - with water use	System Supplies	Section 2.5.1	Section 2.5.1

	projections from that source.			
10631(j)	Wholesale suppliers will include documentation that they have provided their urban water suppliers with identification and quantification of the existing and planned sources of water available from the wholesale to the urban supplier during various water year types.	System Supplies	Section 2.5.1	Not Applicable
10631.1(a)	Include projected water use needed for lower income housing projected in the service area of the supplier.	System Water Use	Section 4.5	Section 4.5
10632(a) and 10632(a)(1)	Provide an urban water shortage contingency analysis that specifies stages of action and an outline of specific water supply conditions at each stage.	Water Shortage Contingency Planning	Section 8.1	Section 8.1
10632(a)(2)	Provide an estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency.	Water Shortage Contingency Planning	Section 8.9	Section 8.9
10632(a)(3)	Identify actions to be undertaken by the urban water supplier in case of a catastrophic interruption of water supplies.	Water Shortage Contingency Planning	Section 8.8	Section 8.8
10632(a)(4)	Identify mandatory prohibitions against specific water use practices during water shortages.	Water Shortage Contingency Planning	Section 8.2	Section 8.2
10632(a)(5)	Specify consumption reduction methods in the most restrictive stages.	Water Shortage Contingency Planning	Section 8.4	Section 8.4
10632(a)(6)	Indicated penalties or charges for excessive use, where applicable.	Water Shortage Contingency Planning	Section 8.3	Section 8.3
10632(a)(7)	Provide an analysis of the impacts of each of the actions and conditions in the water shortage contingency analysis on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts.	Water Shortage Contingency Planning	Section 8.6	Section 8.6
10632(a)(8)	Provide a draft water shortage contingency resolution or ordinance.	Water Shortage Contingency Planning	Section 8.7	Section 8.7
10632(a)(9)	Indicate a mechanism for determining actual reductions in water use pursuant to the water shortage contingency analysis.	Water Shortage Contingency Planning	Section 8.5	Section 8.5
10633	For wastewater and recycled water, coordinate with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.1	Section 6.5.1
10633(a)	Describe the wastewater collection and treatment systems in the supplier's service area. Include quantification of the amount of	System Supplies (Recycled Water)	Section 6.5.2	Section 6.5.2

	wastewater collected and treated and the methods of wastewater disposal.			
10633(b)	Describe the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.	System Supplies (Recycled Water)	Section 6.5.2.2	Section 6.5.2.2
10633(c)	Describe the recycled water currently being used in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.3 and 6.5.4	Section 6.5.3 and 6.5.4
10633(d)	Describe and quantify the potential uses of recycled water and provide a determination of the technical and economic feasibility of those uses.	System Supplies (Recycled Water)	Section 6.5.4	Section 6.5.4
10633(e)	Describe the projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected.	System Supplies (Recycled Water)	Section 6.5.4	Section 6.5.4
10633(f)	Describe the actions which may be taken to encourage the use of recycled water and the projected results of these actions in terms of acre-feet of recycled water used per year.	System Supplies (Recycled Water)	Section 6.5.5	Section 6.5.5
10633(g)	Provide a plan for optimizing the use of recycled water in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.5	Section 6.5.5
10634	Provide information on the quality of existing sources of water available to the supplier and the manner in which water quality affects water management strategies and supply reliability	Water Supply Reliability Assessment	Section 7.1	Section 7.1
10635(a)	Assess the water supply reliability during normal, dry, and multiple dry water years by comparing the total water supply sources available to the water supplier with the total projected water use over the next 20 years.	Water Supply Reliability Assessment	Section 7.3	Section 7.3
10635(b)	Provide supporting documentation that Water Shortage Contingency Plan has been, or will be, provided to any city or county within which it provides water, no later than 60 days after the submission of the plan to DWR.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	Section 10.4.4
10642	Provide supporting documentation that the water supplier has encouraged active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan.	Plan Preparation	Section 2.5.2	Section 2.5.2
10642	Provide supporting documentation that the urban water supplier made the plan available for public inspection, published notice of the public hearing, and held a public hearing	Plan Adoption, Submittal, and Implementation	Sections 10.2.2, 10.3, and 10.5	Sections 10.2.2, 10.3, and 10.5

	about the plan.			
10642	The water supplier is to provide the time and place of the hearing to any city or county within which the supplier provides water.	Plan Adoption, Submittal, and Implementation	Sections 10.2.1	Sections 10.2.1
10642	Provide supporting documentation that the plan has been adopted as prepared or modified.	Plan Adoption, Submittal, and Implementation	Section 10.3.1	Section 10.3.1
10644(a)	Provide supporting documentation that the urban water supplier has submitted this UWMP to the California State Library.	Plan Adoption, Submittal, and Implementation	Section 10.4.3	Section 10.4.3
10644(a)(1)	Provide supporting documentation that the urban water supplier has submitted this UWMP to any city or county within which the supplier provides water no later than 30 days after adoption.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	Section 10.4.4
10644(a)(2)	The plan, or amendments to the plan, submitted to the department shall be submitted electronically.	Plan Adoption, Submittal, and Implementation	Sections 10.4.1 and 10.4.2	Sections 10.4.1 and 10.4.2
10645	Provide supporting documentation that, not later than 30 days after filing a copy of its plan with the department, the supplier has or will make the plan available for public review during normal business hours.	Plan Adoption, Submittal, and Implementation	Section 10.5	Section 10.5

Checklist Arranged by Subject

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location <i>(Optional Column for Agency Use)</i>
10620(b)	Every person that becomes an urban water supplier shall adopt an urban water management plan within one year after it has become an urban water supplier.	Plan Preparation	Section 2.1	Section 2.1
10620(d)(2)	Coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.	Plan Preparation	Section 2.5.2	Section 2.5.2
10642	Provide supporting documentation that the water supplier has encouraged active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan.	Plan Preparation	Section 2.5.2	Section 2.5.2
10631(a)	Describe the water supplier service area.	System Description	Section 3.1	Section 3.1
10631(a)	Describe the climate of the service area of the supplier.	System Description	Section 3.3	Section 3.3
10631(a)	Provide population projections for 2020, 2025, 2030, and 2035.	System Description	Section 3.4	Section 3.4
10631(a)	Describe other demographic factors affecting the supplier's water management planning.	System Description	Section 3.4	Section 3.4
10631(a)	Indicate the current population of the service area.	System Description and Baselines and Targets	Sections 3.4 and 5.4	Sections 3.4 and 5.4
10631(e)(1)	Quantify past, current, and projected water use, identifying the uses among water use sectors.	System Water Use	Section 4.2	Section 4.2
10631(e)(3)(A)	Report the distribution system water loss for the most recent 12-month period available.	System Water Use	Section 4.3	Section 4.3
10631.1(a)	Include projected water use needed for lower income housing projected in the service area of the supplier.	System Water Use	Section 4.5	Section 4.5
10608.20(b)	Retail suppliers shall adopt a 2020 water use target using one of four methods.	Baselines and Targets	Section 5.7 and App E	Section 5.7
10608.20(e)	Retail suppliers shall provide baseline daily per capita water use, urban water use target, interim urban water use target, and compliance daily per capita water use, along	Baselines and Targets	Chapter 5 and App E	Chapter 5

	with the bases for determining those estimates, including references to supporting data.			
10608.22	Retail suppliers' per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use of the 5 year baseline. This does not apply if the suppliers base GPCD is at or below 100.	Baselines and Targets	Section 5.7.2	Section 5.7.2
10608.24(a)	Retail suppliers shall meet their interim target by December 31, 2015.	Baselines and Targets	Section 5.8 and App E	Section 5.8
10608.24(d)(2)	If the retail supplier adjusts its compliance GPCD using weather normalization, economic adjustment, or extraordinary events, it shall provide the basis for, and data supporting the adjustment.	Baselines and Targets	Section 5.8.2	Section 5.8.2
10608.36	Wholesale suppliers shall include an assessment of present and proposed future measures, programs, and policies to help their retail water suppliers achieve targeted water use reductions.	Baselines and Targets	Section 5.1	Not Applicable
10608.40	Retail suppliers shall report on their progress in meeting their water use targets. The data shall be reported using a standardized form.	Baselines and Targets	Section 5.8 and App E	Section 5.8
10631(b)	Identify and quantify the existing and planned sources of water available for 2015, 2020, 2025, 2030, and 2035.	System Supplies	Chapter 6	Chapter 6
10631(b)	Indicate whether groundwater is an existing or planned source of water available to the supplier.	System Supplies	Section 6.2	Section 6.2
10631(b)(1)	Indicate whether a groundwater management plan has been adopted by the water supplier or if there is any other specific authorization for groundwater management. Include a copy of the plan or authorization.	System Supplies	Section 6.2.2	Section 6.2.2
10631(b)(2)	Describe the groundwater basin.	System Supplies	Section 6.2.1	Section 6.2.1
10631(b)(2)	Indicate if the basin has been adjudicated and include a copy of the court order or decree and a description of the amount of water the supplier has the legal right to pump.	System Supplies	Section 6.2.2	Section 6.2.2
10631(b)(2)	For unadjudicated basins, indicate whether or not the department has identified the basin as overdrafted, or projected to become overdrafted. Describe efforts by the supplier to eliminate the long-term overdraft condition.	System Supplies	Section 6.2.3	Section 6.2.3
10631(b)(3)	Provide a detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years	System Supplies	Section 6.2.4	Section 6.2.4

10631(b)(4)	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	System Supplies	Sections 6.2 and 6.9	Sections 6.2 and 6.9
10631(d)	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	System Supplies	Section 6.7	Section 6.7
10631(g)	Describe the expected future water supply projects and programs that may be undertaken by the water supplier to address water supply reliability in average, single-dry, and multiple-dry years.	System Supplies	Section 6.8	Section 6.8
10631(h)	Describe desalinated water project opportunities for long-term supply.	System Supplies	Section 6.6	Section 6.6
10631(j)	Retail suppliers will include documentation that they have provided their wholesale supplier(s) – if any - with water use projections from that source.	System Supplies	Section 2.5.1	Section 2.5.1
10631(j)	Wholesale suppliers will include documentation that they have provided their urban water suppliers with identification and quantification of the existing and planned sources of water available from the wholesale to the urban supplier during various water year types.	System Supplies	Section 2.5.1	Not Applicable
10633	For wastewater and recycled water, coordinate with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.1	Section 6.5.1
10633(a)	Describe the wastewater collection and treatment systems in the supplier's service area. Include quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.	System Supplies (Recycled Water)	Section 6.5.2	Section 6.5.2
10633(b)	Describe the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.	System Supplies (Recycled Water)	Section 6.5.2.2	Section 6.5.2.2
10633(c)	Describe the recycled water currently being used in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.3 and 6.5.4	Section 6.5.3 and 6.5.4
10633(d)	Describe and quantify the potential uses of recycled water and provide a determination of the technical and economic feasibility of those uses.	System Supplies (Recycled Water)	Section 6.5.4	Section 6.5.4
10633(e)	Describe the projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected.	System Supplies (Recycled Water)	Section 6.5.4	Section 6.5.4
10633(f)	Describe the actions which may be taken to	System Supplies	Section 6.5.5	Section 6.5.5

	encourage the use of recycled water and the projected results of these actions in terms of acre-feet of recycled water used per year.	(Recycled Water)		
10633(g)	Provide a plan for optimizing the use of recycled water in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.5	Section 6.5.5
10620(f)	Describe water management tools and options to maximize resources and minimize the need to import water from other regions.	Water Supply Reliability Assessment	Section 7.4	Section 7.4
10631(c)(1)	Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage.	Water Supply Reliability Assessment	Section 7.1	Section 7.1
10631(c)(1)	Provide data for an average water year, a single dry water year, and multiple dry water years	Water Supply Reliability Assessment	Section 7.2	Section 7.2
10631(c)(2)	For any water source that may not be available at a consistent level of use, describe plans to supplement or replace that source.	Water Supply Reliability Assessment	Section 7.1	Section 7.1
10634	Provide information on the quality of existing sources of water available to the supplier and the manner in which water quality affects water management strategies and supply reliability	Water Supply Reliability Assessment	Section 7.1	Section 7.1
10635(a)	Assess the water supply reliability during normal, dry, and multiple dry water years by comparing the total water supply sources available to the water supplier with the total projected water use over the next 20 years.	Water Supply Reliability Assessment	Section 7.3	Section 7.3
10632(a) and 10632(a)(1)	Provide an urban water shortage contingency analysis that specifies stages of action and an outline of specific water supply conditions at each stage.	Water Shortage Contingency Planning	Section 8.1	Section 8.1
10632(a)(2)	Provide an estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency.	Water Shortage Contingency Planning	Section 8.9	Section 8.9
10632(a)(3)	Identify actions to be undertaken by the urban water supplier in case of a catastrophic interruption of water supplies.	Water Shortage Contingency Planning	Section 8.8	Section 8.8
10632(a)(4)	Identify mandatory prohibitions against specific water use practices during water shortages.	Water Shortage Contingency Planning	Section 8.2	Section 8.2
10632(a)(5)	Specify consumption reduction methods in the most restrictive stages.	Water Shortage Contingency Planning	Section 8.4	Section 8.4
10632(a)(6)	Indicated penalties or charges for excessive use, where applicable.	Water Shortage Contingency Planning	Section 8.3	Section 8.3

10632(a)(7)	Provide an analysis of the impacts of each of the actions and conditions in the water shortage contingency analysis on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts.	Water Shortage Contingency Planning	Section 8.6	Section 8.6
10632(a)(8)	Provide a draft water shortage contingency resolution or ordinance.	Water Shortage Contingency Planning	Section 8.7	Section 8.7
10632(a)(9)	Indicate a mechanism for determining actual reductions in water use pursuant to the water shortage contingency analysis.	Water Shortage Contingency Planning	Section 8.5	Section 8.5
10631(f)(1)	Retail suppliers shall provide a description of the nature and extent of each demand management measure implemented over the past five years. The description will address specific measures listed in code.	Demand Management Measures	Sections 9.2 and 9.3	Sections 9.2 and 9.3
10631(f)(2)	Wholesale suppliers shall describe specific demand management measures listed in code, their distribution system asset management program, and supplier assistance program.	Demand Management Measures	Sections 9.1 and 9.3	Not Applicable
10631(i)	CUWCC members may submit their 2013-2014 CUWCC BMP annual reports in lieu of, or in addition to, describing the DMM implementation in their UWMPs. This option is only allowable if the supplier has been found to be in full compliance with the CUWCC MOU.	Demand Management Measures	Section 9.5	Section 9.5
10608.26(a)	Retail suppliers shall conduct a public hearing to discuss adoption, implementation, and economic impact of water use targets.	Plan Adoption, Submittal, and Implementation	Section 10.3	Section 10.3
10621(b)	Notify, at least 60 days prior to the public hearing, any city or county within which the supplier provides water that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan.	Plan Adoption, Submittal, and Implementation	Section 10.2.1	Section 10.2.1
10621(d)	Each urban water supplier shall update and submit its 2015 plan to the department by July 1, 2016.	Plan Adoption, Submittal, and Implementation	Sections 10.3.1 and 10.4	Sections 10.3.1 and 10.4
10635(b)	Provide supporting documentation that Water Shortage Contingency Plan has been, or will be, provided to any city or county within which it provides water, no later than 60 days after the submission of the plan to DWR.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	Section 10.4.4
10642	Provide supporting documentation that the urban water supplier made the plan available for public inspection, published notice of the public hearing, and held a public hearing	Plan Adoption, Submittal, and Implementation	Sections 10.2.2, 10.3, and 10.5	Sections 10.2.2, 10.3, and 10.5

	about the plan.			
10642	The water supplier is to provide the time and place of the hearing to any city or county within which the supplier provides water.	Plan Adoption, Submittal, and Implementation	Sections 10.2.1	Sections 10.2.1
10642	Provide supporting documentation that the plan has been adopted as prepared or modified.	Plan Adoption, Submittal, and Implementation	Section 10.3.1	Section 10.3.1
10644(a)	Provide supporting documentation that the urban water supplier has submitted this UWMP to the California State Library.	Plan Adoption, Submittal, and Implementation	Section 10.4.3	Section 10.4.3
10644(a)(1)	Provide supporting documentation that the urban water supplier has submitted this UWMP to any city or county within which the supplier provides water no later than 30 days after adoption.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	Section 10.4.4
10644(a)(2)	The plan, or amendments to the plan, submitted to the department shall be submitted electronically.	Plan Adoption, Submittal, and Implementation	Sections 10.4.1 and 10.4.2	Sections 10.4.1 and 10.4.2
10645	Provide supporting documentation that, not later than 30 days after filing a copy of its plan with the department, the supplier has or will make the plan available for public review during normal business hours.	Plan Adoption, Submittal, and Implementation	Section 10.5	Section 10.5

APPENDIX D

Summary of Baseline and Compliance Urban per Capita Water Use

FINAL DRAFT

**Los Angeles Gateway Region
Integrated Regional Water
Management Joint Powers
Authority**



SUMMARY OF “BASELINE AND COMPLIANCE URBAN PER CAPITA WATER USE” DETERMINATION

June 2016



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BASELINE AND COMPLIANCE URBAN PER CAPITA WATER USE

California Water Code Section 10608.20(a)(1)

Each urban retail water supplier shall develop urban water use targets and an interim urban water use target by July 1, 2011. Urban retail water suppliers may elect to determine and report progress toward achieving these targets on an individual or regional basis, as provided in subdivision (a) of Section 10608.28, and may determine the targets on a fiscal year or calendar year basis.

California Water Code Section 10608.28

(a) An urban retail water supplier may meet its urban water use target within its retail service area, or through mutual agreement, by any of the following:

- (1) Through an urban wholesale water supplier.*
- (2) Through a regional agency authorized to plan and implement water conservation, including, but not limited to, an agency established under the Bay Area Water Supply and Conservation Agency Act (Division 31 (commencing with Section 81300)).*
- (3) Through a regional water management group as defined in Section 10537.*
- (4) By an integrated regional water management funding area.*
- (5) By hydrologic region.*
- (6) Through other appropriate geographic scales for which computation methods have been developed by the department.*

(b) A regional water management group, with the written consent of its member agencies, may undertake any or all planning, reporting, and implementation functions under this chapter for the member agencies that consent to those activities. Any data or reports shall provide information both for the regional water management group and separately for each consenting urban retail water supplier and urban wholesale water supplier.

Introduction

According to California Water Code Sections 10608.20(a)(1) and 10608.28, urban retail water suppliers may plan, comply, and report on a regional basis, an individual basis or both. The California Department of Water Resources' (DWR) guidebook titled, "Methodologies for Calculating Baseline and Compliance Urban per Capita Water Use" includes "Methodology 9" which prescribes three options by which the regional alliance

compliance may be calculated. Each group of water suppliers agreeing among themselves to plan, comply, and report as a region is referred to in Methodology 9 as a “regional alliance.”

Calculation of Regional Targets

Water suppliers in a regional alliance have three options to calculate the regional targets.

Option 1

This option preserves maximum flexibility at the water supplier level. Each retail water supplier in a regional alliance first calculates its individual target. The individual targets from each retail water supplier is then multiplied by each retail water supplier’s population. The total is divided by the total population in the alliance to obtain the regional target. For the 2010 urban water management plans, retail water suppliers used their estimated population data to generate the regional targets. However, for compliance in 2015 and 2020, the population weighting of the individual targets must be based upon the compliance-year population data. Because 2010 U.S. Census data was not available until 2012, retail water suppliers were required to recalculate its individual population, baseline and targets in 2015. A modification in any individual target or a change in membership in a regional alliance will require a recalculation of the entire regional target.

Option 2

The second option for an alliance to calculate a regional target is to sum up the individual retail water supplier’s gross water use and service area populations to develop regional gross water use and population. The alliance would then calculate regional base daily per capita use and choose one target method to calculate a regional target. This option requires all the members to use the same baseline period.

Option 3

A third option is to calculate regional gross water use or population directly for the entire regional alliance area. Regional base daily per capita use and a regional water use target would then be derived. Like Option 2, members of alliances using this option must use the same baseline period and the same target method. The regional target may not exceed 95 percent of the region's 5-year Base Daily Per Capita Water Use.

Results

The Gateway Regional Alliance has chosen Option 1 to estimate its Regional Target. The following tabulation summarizes the steps used with Option 1 and to calculate the Regional Target. As shown in the tabulation below, the "Regional Alliance Weighted Average 10-15 Year Baseline" is 128 GPCD. The "Regional Alliance Weighted Average 2020 Target" is 111 GPCD. The "Regional Alliance 2015 Interim Target" is based on the mid-point between the Weighted Average 10-15 Year Baseline (129 GPCD) and the Weighted Average 2020 Target (115 GPCD). The Regional Alliance 2015 Interim Target is 120 GPCD $((128 + 111) / 2)$.

Based on each of the member agencies' individual 2015 Actual water use, the "Regional Alliance 2015 Actual water use" is 102 GPCD. The 2015 Actual water use of 102 GPCD is less than the "Regional Alliance 2015 Interim Target" of 120 GPCD. Therefore, the Gateway Regional Alliance achieved its Targeted Reduction for 2015 and is in compliance with the 2015 Interim Target.

SB X7-7 RA1 - Weighted Baseline

Participating Member Agency Name	10-15 year Baseline GPCD*	Average Population During 10-15 Year Baseline Period	(Baseline GPCD) X (Population)	Regional Alliance Weighted Average 10-15 Year Baseline GPCD
City of Downey	144	108,998	15,695,712	
City of Lakewood	107	58,241	6,231,787	
City of Long Beach	134	457,727	61,335,418	
City of Lynwood	100	63,227	6,322,700	
City of Norwalk	107	16,372	1,751,804	
City of Paramount	118	55,137	6,506,166	
City of Pico Rivera	121	40,513	4,902,073	
Pico Water District	150	22,598	3,389,700	
City of Santa Fe Springs	101	14,876	1,502,476	
City of Signal Hill	188	10,621	1,996,748	
City of South Gate	102	87,841	8,959,782	
City of Whittier	155	53,155	8,239,025	
Regional Alliance Total	1,527	989,306	126,833,391	128

**All participating agencies must submit individual SB X7-7 Tables, as applicable, showing the individual agency's calculations. These tables are: SB X7-7 Tables 0 through 6, Table 7, any required supporting tables (as stated in SB X7-7 Table 7), and SB X7-7 Table 9, as applicable. These individual agency tables will be submitted with the individual or Regional Urban Water Management Plan.*

NOTES: The City of Bell Gardens, City of Bellflower, and City of Vernon were removed from the 2015 Regional Alliance calculations. The City of Bell Gardens and City of Bellflower are not required to prepare an UWMP. The City of Vernon has a population of 100 and is exclusively industrial. The City of Vernon may not be required to prepare an UWMP.

SB X7-7 RA1 - Weighted 2020 Target

Participating Member Agency Name	2020 Target GPCD*	2015 Population	(Target) X (Population)	Regional Alliance Weighted Average 2020 Target
City of Downey	137	112,354	15,392,482	
City of Lakewood	99	59,331	5,873,769	
City of Long Beach	107	481,784	51,550,888	
City of Lynwood	85	62,919	5,348,115	
City of Norwalk	110	18,361	2,019,710	
City of Paramount	114	55,302	6,304,428	
City of Pico Rivera	117	39,453	4,616,001	
Pico Water District	142	22,799	3,237,458	
City of Santa Fe Springs	100	14,644	1,464,400	
City of Signal Hill	151	11,500	1,736,500	
City of South Gate	100	79,983	7,998,300	
City of Whittier	134	56,200	7,530,800	
Regional Alliance Total	1,396	1,014,630	113,072,851	111

*All participating agencies must submit individual SB X7-7 Tables, as applicable, showing the individual agency's calculations. These tables are: SB X7-7 Tables 0 through 6, Table 7, any required supporting tables (as stated in SB X7-7 Table 7), and SB X7-7 Table 9, as applicable. These individual agency tables will be submitted with the individual or Regional Urban Water Management Plan.

NOTES: The City of Bell Gardens, City of Bellflower, and City of Vernon were removed from the 2015 Regional Alliance calculations. The City of Bell Gardens and City of Bellflower are not required to prepare an UWMP. The City of Vernon has a population of 100 and is exclusively industrial. The City of Vernon may not be required to prepare an UWMP.

SB X7-7 RA1 - 2015 Target

Weighted Average 10-15 year Baseline GPCD	Weighted Average 2020 Target	Regional Alliance 2015 Interim Target
128	111	120

NOTES

SB X7-7 RA1 - 2015 GPCD (Actual)				
Participating Member Agency Name	2015 Actual GPCD ¹	2015 Population	(2015 GPCD) X (2015 Population)	Regional Alliance 2015 GPCD (Actual)
City of Downey	119	112,354	13,370,112	
City of Lakewood	82	59,331	4,865,142	
City of Long Beach	102	481,784	49,141,968	
City of Lynwood	80	62,919	5,033,520	
City of Norwalk	111	18,361	2,038,071	
City of Paramount	103	55,302	5,696,106	
City of Pico Rivera	103	39,453	4,063,659	
Pico Water District	108	22,799	2,462,292	
City of Santa Fe Springs	83	14,644	1,215,452	
City of Signal Hill	143	11,500	1,644,500	
City of South Gate	81	79,983	6,478,623	
City of Whittier	131	56,200	7,362,200	
Regional Alliance Totals	1,246	1,014,630	103,371,645	102
¹ All participating agencies must submit individual SB X7-7 Tables, as applicable, showing the individual agency's calculations. These tables are: SB X7-7 Tables 0 through 6, Table 7, any required supporting tables (as stated in SB X7-7 Table 7), and SB X7-7 Table 9, as applicable. These individual agency tables will be submitted with the individual or Regional Urban Water Management Plan.				
NOTES: The City of Bell Gardens, City of Bellflower, and City of Vernon were removed from the 2015 Regional Alliance calculations. The City of Bell Gardens and City of Bellflower are not required to prepare an UWMP. The City of Vernon has a population of 100 and is exclusively industrial. The City of Vernon may not be required to prepare an UWMP.				

SB X7-7 RA1 - Compliance Verification				
2015 GPCD (Actual)	2015 Interim Target GPCD	Economic Adjustment ¹ <i>Enter "0" if no adjustment</i>	Adjusted 2015 GPCD <i>(if economic adjustment used)</i>	Did Alliance Achieve Targeted Reduction for 2015?
102	120	0	102	YES
¹ Adjustments for economic growth can be applied to either the individual supplier's data or to the aggregate regional alliance data (but not both), depending upon availability of suitable data and methods.				
NOTES				

APPENDIX E

Historical Annual Rainfall

Site 106Z Whittier City - Composite Records for Analysis
 Variable 11.05 Total Rainfall | Processed Rainfall Data

Site 106Z

Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Mean Monthly	Annual Total
1959/60	0	0.07	1.44	2.54 T	2.6	0.42	2.02	0.11	0	0	0	0	0.767 T	9.2 T
1960/61	0.12	2.59	0.08	1.37	0	0.51	0.28	0	0.02	0 T	0.06	0 T	0.419 T	5.03 T
1961/62	0	2.53 T	1.84	2.98	13.71 T	0.92	0	0.13	0	0	0	0	1.843 T	22.11 T
1962/63	0.13	0.1	0.02	0.36	4.56	2.76	1.69 T	0	0.07 T	0	0.02	1.83	0.962 T	11.54 T
1963/64	0.92	2.68	0	1.21	0	1.95	0.53	0.04	0.21	0	0	0	0.628	7.54
1964/65	0.13 T	1.29	1.61	0.65	0.39 \$	2.69 \$	5.71 \$	0 \$	0 T	0.01 \$	0 T	1.01 \$	1.124 \$	13.49 \$
1965/66	0	8.85	4.27	1	1.29 T	0.8	0	0.06	0	0	0	0.15	1.368 T	16.42 T
1966/67	0.08	2.01 T	5.15	4.73	0.02	1.85	4.25	0.15	0 T	0	0	0.42 T	1.555 T	18.66 T
1967/68	0	4.14	2.3	0.46	0.8	3.11	0.73	0	0	0.24	0	0	0.982	11.78
1968/69	0.27	0.34	1.25 T	13.31	8.22	1.18	0.79	0 T	0.01	0 T	0	0	2.114 T	25.37 T
1969/70	0	1.47 T	0.07	1.5	3.1	2.47	0 T	0	0	0	0	0	0.718 T	8.61 T
1970/71	0.03	4.31	4.16 T	0.55	1.24	0.42	0.45 T	0.38 T	0	0	0	0 T	0.962 T	11.54 T
1971/72	0 T	0.27 T	5.35 T	0	0.09 T	0	0.16	0.02	0.19 T	0	0.58 T	0.35 T	0.584 T	7.01 T
1972/73	0.8 T	3.95 T	1.88	3.66 T	7.09 T	2.77 T	0	0.02	0	0	0	0 T	1.681 T	20.17 T
1973/74	0.06 T	2.15	0.48 T	7.82 T	0.29	3.79 T	0.19	0.01 T	0	0	0	0	1.232 T	14.79 T
1974/75	0.94	0.02	3.37	0.12	3.37	3.13	1.15	0.11	0.05	0	0	0 T	1.022 T	12.26 T
1975/76	0.41	0 T	0.22	0	3.01	1.61	1.13	0.04 T	0.17	0.01 T	0.06	3.87 T	0.878 T	10.53 T
1976/77	0 T	0.42	0.93	2.56	0.31	1.08	0	2.79 T	0 T	0	2.2 T	0	0.858 T	10.29 T
1977/78	0 T	0.03 T	5.55	7.35 T	9.21	8.65	1.72	0.02	0	0	0	0.68	2.768 T	33.21 T
1978/79	0.05	2.24 T	2.98	7.45	2.57 T	5.52	0	0.02	0 T	0	0	0	1.736 T	20.83 T
1979/80	0.64 T	0.2	0.39	7.49 T	12.88	4.46	0.25	0.14	0	0	0	0	2.204 T	26.45 T
1980/81	0	0	0.56	2.69	1.74	2.89 T	0.57	0 T	0	0	0	0	0.704 T	8.45 T
1981/82	0.68	3.17	0.41	2.09	0.43	4.16	1.17	0.32	0	0	0.06	0.81	1.108	13.3
1982/83	0.42	4	1.08	4.26 T	5.02	10.08	3	0.12	0	0	0.55	1.57	2.508 T	30.1 T
1983/84	2.02 \$	3.21 \$	1.98 \$	0.35	0	0.17 T	0.91	0	0.1	0	0.32	0.14	0.767 \$	9.2 \$
1984/85	0.09	2.05	6.47	0.69	2.17	0.97	0	0.15	0	0	0	0.24	1.069	12.83
1985/86	0.4	2.96	0.48	2.92	5.63	4.98 T	0.58	0	0	0.1	0	1.24	1.608 T	19.29 T
1986/87	0.27	0.75	0.31	2.07	0.85	0.94	0.05	0	0.06	0	0.08	0.05	0.452	5.43
1987/88	2.14	0.98	2.01 *	1.82	1.1	0.35	3.15 T	0 T	0	0	0	0 T	0.962 *	11.55 *
1988/89	0	0.43	3.49	0.73 T	1.31	0.93	0	0	0	0	0	0.05	0.578 T	6.94 T
1989/90	0.32	0.3	0	1.82	2.48	0.14 T	0.21	1.23	0 T	0	0	0	0.542 T	6.5 T
1990/91	0	0.28	0	2	3.97	6.6	0.09	0	0	0 T	0 T	0 T	1.078 T	12.94 T
1991/92	0.39	0	2.36 T	1.66	6.82	5.53 T	0	0 T	0	0.38	0	0	1.428 T	17.14 T
1992/93	0.71	0	4.4	12	9.56	1.78 T	0	0	0.91	0	0	0	2.447 T	29.36 T
1993/94	0.12	1.33	0.68	0.58	3.21	2 *	0.61	0.29 T	0	0	0	0	0.735 *	8.82 *
1994/95	0.54	0.86	0.86	10.79 T	1.36 T	5.79	0.7	0 T	1.15	0	0	0	1.837 T	22.05 T
1995/96	0 T	0 T	1.81	2.6 T	4.64	2.4	0.61	0 T	0	0	0	0	1.005 T	12.06 T
1996/97	1.23 *	2.32	3.79	4.85 *	0.5	0	0	0	0	0	0	0.14	1.069 *	12.83 *
1997/98	0	2.29	2.9	5.01	12.05	4.7	0.71 \$	1.36	0.06	0	0	0.37	2.454 \$	29.45 \$
1998/99	0	0.94	0.51 *	0.22	0.83	0.53	2.05	0	0.55	0.01	0	0	0.47 *	5.64 *

Site 106Z Whittier City - Composite Records for Analysis
 Variable 11.05 Total Rainfall | Processed Rainfall Data

Site 106Z

Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Mean Monthly	Annual Total
1999/ 0	0	0	0.5	1.45	4.93	1.95	2.68	0.06	0	0	0	0	0.964	11.57
2000/ 1	1.8	0	0	3.85	6.06	0.36	1.23	0	0	0	0	0	1.108	13.3
2001/ 2	0.03	0.99	0.99	0.6	0.24	0.09	0.31	0.23	0 \$	0 \$	0 \$	0 \$	0.29 \$	3.48 \$
2002/ 3	0 \$	2.79 \$	1.79 \$	0 \$	4.59 \$	4.07 *	1.63 \$	1.19 \$	0 \$	0.12 \$	0 \$	0 \$	1.348 *	16.18 *
2003/ 4	0.09 \$	0.04 \$	1.36 \$	0.26 \$	6.17 \$	0 \$	0.79 \$	0 \$	0 \$	0 \$	0 \$	0 \$	0.726 \$	8.71 \$
2004/ 5	5.86 \$	0.5 \$	3.68 \$	6.78 \$	9.39 \$	1.9 \$	0.93 \$	0 \$	0 \$	0 \$	0 \$	0.36 \$	2.45 \$	29.4 \$
2005/ 6	1.37 \$	0 \$	0.92 \$	1.17 \$	1.84 \$	2.35 \$	1.74 \$	0.61 \$	0 \$	0.14 \$	0 \$	0 \$	0.845 \$	10.14 \$
2006/ 7	0 \$	0.04 \$	0.38 \$	0.1 \$	0.83 \$	0.24 \$	1.91 \$	0 \$	0 \$	0 \$	0 \$	0.73 \$	0.352 \$	4.23 \$
2007/ 8	0.48 \$	0.84 \$	1.13 \$	5.07 \$	1.29 \$	0 \$	0 \$	0.14 \$	0 \$	0 \$	0 \$	0 \$	0.746 \$	8.95 \$
2008/ 9	0.03 \$	1.55 \$	2.71 \$	0.21 \$	3.9 \$	0.45 \$	0 \$	0 \$	0 \$	0 \$	0 \$	0 \$	0.738 \$	8.85 \$
2009/10	1.81 \$	0 \$	3.09 \$	6.48 \$	4.59 \$	0.37 \$	0.44 \$	0.02 \$	0 \$	0 \$	0 \$	0 \$	1.4 \$	16.8 \$
2010/11	1.06 \$	0.98 A	12.45 \$	0.86 \$	2.34 \$	2.32 \$	0.12 \$	0.48 \$	0 \$	0 \$	0 \$	0.06 \$	1.722 A	20.67 A
2011/12	1.58 *	1.21 \$	0.43 \$	0.76 A	0.53 \$	1.97 \$	0.83 \$	0.01 \$	0 \$	0.02 \$	0 \$	0 \$	0.612 *	7.34 *
2012/13	0.14 \$	0.79 \$	1.82 \$	0.91 \$	0.34 \$	0.53 \$	0.01 \$	0.45 \$	0 \$	0.02 \$	0 \$	0 \$	0.417 \$	5.01 \$
2013/14	0.23 *	0.57 *	0.43 \$	0.01 \$	2.6 \$	1.18 \$	0.66 \$	0 \$	0 \$	0 \$	0.33 \$	0.03 \$	0.503 *	6.04 *
2014/15	0 \$	0.22 \$	3.35 \$	1.16 \$	0.48 \$	0.21 \$	0.13 \$	1.2 \$	0.02 *	0.47 \$	0 \$	1.07 *	0.692 *	8.31 *
Mean	0.507 *	1.358 *	2.008 *	2.784 *	3.367 \$	2.197 *	0.873 \$	0.212 \$	0.064 *	0.027 \$	0.076 \$	0.271 *	1.145 *	13.744 * Mean
Med.	0.125 *	0.85 *	1.4 *	1.58 *	2.41 \$	1.815 *	0.575 \$	0.02 \$	0 *	0 \$	0 \$	0 *		Med.
Max	5.86 *	8.85 *	12.45 *	13.31 *	13.71 \$	10.08 *	5.71 \$	2.79 \$	1.15 *	0.47 \$	2.2 \$	3.87 *	2.768 *	33.21 * Max
Min	0 *	0 *	0 *	0 *	0 \$	0 *	0 \$	0 \$	0 *	0 \$	0 \$	0 *	0.29 *	3.48 * Min
Total	28.39 *	76.05 *	112.47 *	155.93 *	188.54 \$	123.02 *	48.87 \$	11.9 \$	3.57 *	1.52 \$	4.26 \$	15.17 *	64.141 *	769.69 * Total

----- Notes -----

All recorded data is continuous and reliable
 except where the following tags are used...

\$... Daily Read

* ... Reliable Estimate

A ... Accumulated Data

T ... Trace

APPENDIX F

AWWA Audit Worksheet

DRAFT

AWWA Free Water Audit Software v5.0

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This spreadsheet-based water audit tool is designed to help quantify and track water losses associated with water distribution systems and identify areas for improved efficiency and cost recovery. It provides a "top-down" summary water audit format, and is not meant to take the place of a full-scale, comprehensive water audit format.

Auditors are strongly encouraged to refer to the most current edition of AWWA M36 Manual for Water Audits for detailed guidance on the water auditing process and targeting loss reduction levels

The spreadsheet contains several separate worksheets. Sheets can be accessed using the tabs towards the bottom of the screen, or by clicking the buttons below.

Please begin by providing the following information

Name of Contact Person:	Frank Beach		
Email Address:	frankbeach@santafesprings.org		
Telephone Ext.:	5628680511	7586	
Name of City / Utility:	City of Santa Fe Springs Water Authority		
City/Town/Municipality:	Santa Fe Springs		
State / Province:	California (CA)		
Country:	USA		
Year:	2015	Financial Year	
Start Date:	07/2015	Enter MM/YYYY numeric format	
End Date:	06/2016	Enter MM/YYYY numeric format	
Audit Preparation Date:			
Volume Reporting Units:	Acre-feet		
PWSID / Other ID:	1910245		

The following guidance will help you complete the Audit

All audit data are entered on the [Reporting Worksheet](#)

	Value can be entered by user
	Value calculated based on input data
	These cells contain recommended default values

Use of Option (Radio) Buttons: Pcnt: Value:

0.25%	<input checked="" type="radio"/>	<input type="radio"/>	
-------	----------------------------------	-----------------------	--

Select the default percentage by choosing the option button on the left

To enter a value, choose this button and enter a value in the cell to the right

The following worksheets are available by clicking the buttons below or selecting the tabs along the bottom of the page

Instructions

The current sheet.
Enter contact information and basic audit details (year, units etc)

Reporting Worksheet

Enter the required data on this worksheet to calculate the water balance and data grading

Comments

Enter comments to explain how values were calculated or to document data sources

Performance Indicators

Review the performance indicators to evaluate the results of the audit

Water Balance

The values entered in the Reporting Worksheet are used to populate the Water Balance

Dashboard

A graphical summary of the water balance and Non-Revenue Water components

Grading Matrix

Presents the possible grading options for each input component of the audit

Service Connection Diagram

Diagrams depicting possible customer service connection line configurations

Definitions

Use this sheet to understand the terms used in the audit process

Loss Control Planning

Use this sheet to interpret the results of the audit validity score and performance indicators

Example Audits

Reporting Worksheet and Performance Indicators examples are shown for two validated audits

Acknowledgements

Acknowledgements for the AWWA Free Water Audit Software v5.0

If you have questions or comments regarding the software please contact us via email at: wlc@awwa.org



AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0

American Water Works Association.
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?

Click to access definition

+

Click to add a comment

Water Audit Report for:

City of Santa Fe Springs Water Authority (1910245)

Reporting Year:

2015

7/2015 - 6/2016

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (n/a or 1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades

All volumes to be entered as: ACRE-FEET PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

WATER SUPPLIED

<----- Enter grading in column 'E' and 'J' ----->

Volume from own sources:

+

?

5

2,736.650

 acre-ft/yr

Water imported:

+

?

8

3,502.290

 acre-ft/yr

Water exported:

+

?

n/a

0.000

 acre-ft/yr

Master Meter and Supply Error Adjustments

Pcnt:

+

?

5

0.90%

Value:

acre-ft/yr

Pcnt:

+

?

5

0.90%

Value:

acre-ft/yr

Pcnt:

+

?

Value:

acre-ft/yr

Enter negative % or value for under-registration

Enter positive % or value for over-registration

WATER SUPPLIED:

?

6,183.290

 acre-ft/yr

AUTHORIZED CONSUMPTION

Billed metered:

+

?

9

5,936.000

 acre-ft/yr

Billed unmetered:

+

?

n/a

0.000

 acre-ft/yr

Unbilled metered:

+

?

10

0.000

 acre-ft/yr

Unbilled unmetered:

+

?

77.291

 acre-ft/yr

Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed

AUTHORIZED CONSUMPTION:

?

6,013.291

 acre-ft/yr

Click here:

?

for help using option
buttons below

Pcnt:

1.25%

Value:

acre-ft/yr

Use buttons to select
percentage of water
supplied
OR
value

Pcnt:

0.25%

Value:

acre-ft/yr

0.25%

Value:

acre-ft/yr

0.25%

Value:

acre-ft/yr

WATER LOSSES (Water Supplied - Authorized Consumption)

169.999

 acre-ft/yr

Apparent Losses

Unauthorized consumption:

+

?

15.458

 acre-ft/yr

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies:

+

?

8

0.000

 acre-ft/yr

Systematic data handling errors:

+

?

14.840

 acre-ft/yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses:

?

30.298

 acre-ft/yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses:

?

139.701

 acre-ft/yr

WATER LOSSES:

?

169.999

 acre-ft/yr

NON-REVENUE WATER

NON-REVENUE WATER:

?

247.290

 acre-ft/yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:

+

?

8

108.0

 miles

Number of active AND inactive service connections:

+

?

8

6,346

Service connection density:

?

59

 conn./mile main

Are customer meters typically located at the curbstop or property line?

Yes

Average length of customer service line:

+

?

 (length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure:

+

?

9

75.0

 psi

COST DATA

Total annual cost of operating water system:

+

?

8

\$11,332,459

 \$/Year

Customer retail unit cost (applied to Apparent Losses):

+

?

8

\$3.26

 \$/100 cubic feet (ccf)

Variable production cost (applied to Real Losses):

+

?

7

\$790.00

 \$/acre-ft

☐ Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

*** YOUR SCORE IS: 72 out of 100 ***

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

1: Volume from own sources

2: Water imported

3: Unauthorized consumption



AWWA Free Water Audit Software: System Attributes and Performance Indicators

WAS v5.0

American Water Works Association.

Water Audit Report for: **City of Santa Fe Springs Water Authority (1910245)**

Reporting Year: **2015** | **7/2015 - 6/2016**

*** YOUR WATER AUDIT DATA VALIDITY SCORE IS: 72 out of 100 ***

System Attributes:

Apparent Losses:	30.298	acre-ft/yr
+ Real Losses:	139.701	acre-ft/yr
= Water Losses:	169.999	acre-ft/yr

? Unavoidable Annual Real Losses (UARL): **129.06** acre-ft/yr

Annual cost of Apparent Losses: **\$43,025**

Annual cost of Real Losses: **\$110,364** Valued at **Variable Production Cost**
Return to Reporting Worksheet to change this assumption

Performance Indicators:

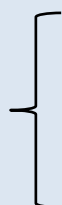
Financial:



Non-revenue water as percent by volume of Water Supplied: **4.0%**

Non-revenue water as percent by cost of operating system: **1.9%** Real Losses valued at Variable Production Cost

Operational Efficiency:



Apparent Losses per service connection per day: **4.26** gallons/connection/day

Real Losses per service connection per day: **19.65** gallons/connection/day

Real Losses per length of main per day*: **N/A**

Real Losses per service connection per day per psi pressure: **0.26** gallons/connection/day/psi

From Above, Real Losses = Current Annual Real Losses (CARL): **139.70** acre-feet/year

? Infrastructure Leakage Index (ILI) [CARL/UARL]: **1.08**

* This performance indicator applies for systems with a low service connection density of less than 32 service connections/mile of pipeline

APPENDIX G

Water Conservation Act of 2009

California Water Code Division 6, Part 2.55.

Chapter 1. General Declarations and Policy	§10608-10608.8
Chapter 2. Definitions	§10608.12
Chapter 3. Urban Retail Water Suppliers	§10608.16-10608.44
Chapter 4. Agricultural Water Suppliers	§10608.48
Chapter 5. Sustainable Water Management	§10608.50
Chapter 6 Standardized Data Collection	§10608.52
Chapter 7 Funding Provisions	§10608.56-10608.60
Chapter 8 Quantifying Agricultural Water Use Efficiency	§10608.64

Chapter 1. General Declarations and Policy

SECTION 10608-10608.8

10608. The Legislature finds and declares all of the following:

- (a) Water is a public resource that the California Constitution protects against waste and unreasonable use.
- (b) Growing population, climate change, and the need to protect and grow California's economy while protecting and restoring our fish and wildlife habitats make it essential that the state manage its water resources as efficiently as possible.
- (c) Diverse regional water supply portfolios will increase water supply reliability and reduce dependence on the Delta.
- (d) Reduced water use through conservation provides significant energy and environmental benefits, and can help protect water quality, improve streamflows, and reduce greenhouse gas emissions.
- (e) The success of state and local water conservation programs to increase efficiency of water use is best determined on the basis of measurable outcomes related to water use or efficiency.
- (f) Improvements in technology and management practices offer the potential for increasing water efficiency in California over time, providing an essential water management tool to meet the need for water for urban, agricultural, and environmental uses.
- (g) The Governor has called for a 20 percent per capita reduction in urban water use statewide by 2020.
- (h) The factors used to formulate water use efficiency targets can vary significantly from location to location based on factors including weather, patterns of urban and suburban development, and past efforts to enhance water use efficiency.

- (i) Per capita water use is a valid measure of a water provider's efforts to reduce urban water use within its service area. However, per capita water use is less useful for measuring relative water use efficiency between different water providers. Differences in weather, historical patterns of urban and suburban development, and density of housing in a particular location need to be considered when assessing per capita water use as a measure of efficiency.

10608.4. It is the intent of the Legislature, by the enactment of this part, to do all of the following:

- (a) Require all water suppliers to increase the efficiency of use of this essential resource.
- (b) Establish a framework to meet the state targets for urban water conservation identified in this part and called for by the Governor.
- (c) Measure increased efficiency of urban water use on a per capita basis.
- (d) Establish a method or methods for urban retail water suppliers to determine targets for achieving increased water use efficiency by the year 2020, in accordance with the Governor's goal of a 20-percent reduction.
- (e) Establish consistent water use efficiency planning and implementation standards for urban water suppliers and agricultural water suppliers.
- (f) Promote urban water conservation standards that are consistent with the California Urban Water Conservation Council's adopted best management practices and the requirements for demand management in Section 10631.
- (g) Establish standards that recognize and provide credit to water suppliers that made substantial capital investments in urban water conservation since the drought of the early 1990s.
- (h) Recognize and account for the investment of urban retail water suppliers in providing recycled water for beneficial uses.
- (i) Require implementation of specified efficient water management practices for agricultural water suppliers.
- (j) Support the economic productivity of California's agricultural, commercial, and industrial sectors.
- (k) Advance regional water resources management.

10608.8. (a) (1) Water use efficiency measures adopted and implemented pursuant to this part or Part 2.8 (commencing with Section 10800) are water conservation measures subject to the protections provided under Section 1011.

- (2) Because an urban agency is not required to meet its urban water use target until 2020 pursuant to subdivision (b) of Section 10608.24, an urban retail water supplier's failure to meet those targets shall not establish a violation of law for purposes of any state administrative or judicial proceeding prior to

January 1, 2021. Nothing in this paragraph limits the use of data reported to the department or the board in litigation or an administrative proceeding. This paragraph shall become inoperative on January 1, 2021.

- (3) To the extent feasible, the department and the board shall provide for the use of water conservation reports required under this part to meet the requirements of Section 1011 for water conservation reporting.
- (b) This part does not limit or otherwise affect the application of Chapter 3.5 (commencing with Section 11340), Chapter 4 (commencing with Section 11370), Chapter 4.5 (commencing with Section 11400), and Chapter 5 (commencing with Section 11500) of Part 1 of Division 3 of Title 2 of the Government Code.
- (c) This part does not require a reduction in the total water used in the agricultural or urban sectors, because other factors, including, but not limited to, changes in agricultural economics or population growth may have greater effects on water use. This part does not limit the economic productivity of California's agricultural, commercial, or industrial sectors.
- (d) The requirements of this part do not apply to an agricultural water supplier that is a party to the Quantification Settlement Agreement, as defined in subdivision (a) of Section 1 of Chapter 617 of the Statutes of 2002, during the period within which the Quantification Settlement Agreement remains in effect. After the expiration of the Quantification Settlement Agreement, to the extent conservation water projects implemented as part of the Quantification Settlement Agreement remain in effect, the conserved water created as part of those projects shall be credited against the obligations of the agricultural water supplier pursuant to this part.

Chapter 2 Definitions

SECTION 10608.12

10608.12. Unless the context otherwise requires, the following definitions govern the construction of this part:

- (a) "Agricultural water supplier" means a water supplier, either publicly or privately owned, providing water to 10,000 or more irrigated acres, excluding recycled water. "Agricultural water supplier" includes a supplier or contractor for water, regardless of the basis of right, that distributes or sells water for ultimate resale to customers. "Agricultural water supplier" does not include the department.
- (b) "Base daily per capita water use" means any of the following:
 - (1) The urban retail water supplier's estimate of its average gross water use, reported in gallons per capita per day and calculated over a continuous 10-year period ending no earlier than December 31, 2004, and no later than December 31, 2010.

- (2) For an urban retail water supplier that meets at least 10 percent of its 2008 measured retail water demand through recycled water that is delivered within the service area of an urban retail water supplier or its urban wholesale water supplier, the urban retail water supplier may extend the calculation described in paragraph (1) up to an additional five years to a maximum of a continuous 15-year period ending no earlier than December 31, 2004, and no later than December 31, 2010.
- (3) For the purposes of Section 10608.22, the urban retail water supplier's estimate of its average gross water use, reported in gallons per capita per day and calculated over a continuous five-year period ending no earlier than December 31, 2007, and no later than December 31, 2010.
- (c) "Baseline commercial, industrial, and institutional water use" means an urban retail water supplier's base daily per capita water use for commercial, industrial, and institutional users.
- (d) "Commercial water user" means a water user that provides or distributes a product or service.
- (e) "Compliance daily per capita water use" means the gross water use during the final year of the reporting period, reported in gallons per capita per day.
- (f) "Disadvantaged community" means a community with an annual median household income that is less than 80 percent of the statewide annual median household income.
- (g) "Gross water use" means the total volume of water, whether treated or untreated, entering the distribution system of an urban retail water supplier, excluding all of the following:
 - (1) Recycled water that is delivered within the service area of an urban retail water supplier or its urban wholesale water supplier.
 - (2) The net volume of water that the urban retail water supplier places into long-term storage.
 - (3) The volume of water the urban retail water supplier conveys for use by another urban water supplier.
 - (4) The volume of water delivered for agricultural use, except as otherwise provided in subdivision (f) of Section 10608.24.
- (h) "Industrial water user" means a water user that is primarily a manufacturer or processor of materials as defined by the North American Industry Classification System code sectors 31 to 33, inclusive, or an entity that is a water user primarily engaged in research and development.
- (i) "Institutional water user" means a water user dedicated to public service. This type of user includes, among other users, higher education institutions, schools, courts, churches, hospitals, government facilities, and nonprofit research institutions.

- (j) "Interim urban water use target" means the midpoint between the urban retail water supplier's base daily per capita water use and the urban retail water supplier's urban water use target for 2020.
- (k) "Locally cost effective" means that the present value of the local benefits of implementing an agricultural efficiency water management practice is greater than or equal to the present value of the local cost of implementing that measure.
- (l) "Process water" means water used for producing a product or product content or water used for research and development, including, but not limited to, continuous manufacturing processes, water used for testing and maintaining equipment used in producing a product or product content, and water used in combined heat and power facilities used in producing a product or product content. Process water does not mean incidental water uses not related to the production of a product or product content, including, but not limited to, water used for restrooms, landscaping, air conditioning, heating, kitchens, and laundry.
- (m) "Recycled water" means recycled water, as defined in subdivision (n) of Section 13050, that is used to offset potable demand, including recycled water supplied for direct use and indirect potable reuse, that meets the following requirements, where applicable:
 - (1) For groundwater recharge, including recharge through spreading basins, water supplies that are all of the following:
 - (A) Metered.
 - (B) Developed through planned investment by the urban water supplier or a wastewater treatment agency.
 - (C) Treated to a minimum tertiary level.
 - (D) Delivered within the service area of an urban retail water supplier or its urban wholesale water supplier that helps an urban retail water supplier meet its urban water use target.
 - (2) For reservoir augmentation, water supplies that meet the criteria of paragraph (1) and are conveyed through a distribution system constructed specifically for recycled water.
- (n) "Regional water resources management" means sources of supply resulting from watershed-based planning for sustainable local water reliability or any of the following alternative sources of water:
 - (1) The capture and reuse of stormwater or rainwater.
 - (2) The use of recycled water.
 - (3) The desalination of brackish groundwater.

- (4) The conjunctive use of surface water and groundwater in a manner that is consistent with the safe yield of the groundwater basin.
- (o) "Reporting period" means the years for which an urban retail water supplier reports compliance with the urban water use targets.
- (p) "Urban retail water supplier" means a water supplier, either publicly or privately owned, that directly provides potable municipal water to more than 3,000 end users or that supplies more than 3,000 acre-feet of potable water annually at retail for municipal purposes.
- (q) "Urban water use target" means the urban retail water supplier's targeted future daily per capita water use.
- (r) "Urban wholesale water supplier," means a water supplier, either publicly or privately owned, that provides more than 3,000 acre-feet of water annually at wholesale for potable municipal purposes.

Chapter 3 Urban Retail Water Suppliers

SECTION 10608.16-10608.44

10608.16.(a) The state shall achieve a 20-percent reduction in urban per capita water use in California on or before December 31, 2020.

- (b) The state shall make incremental progress towards the state target specified in subdivision (a) by reducing urban per capita water use by at least 10 percent on or before December 31, 2015.

10608.20.(a) (1) Each urban retail water supplier shall develop urban water use targets and an interim urban water use target by July 1, 2011. Urban retail water suppliers may elect to determine and report progress toward achieving these targets on an individual or regional basis, as provided in subdivision (a) of Section 10608.28, and may determine the targets on a fiscal year or calendar year basis.

- (2) It is the intent of the Legislature that the urban water use targets described in paragraph (1) cumulatively result in a 20-percent reduction from the baseline daily per capita water use by December 31, 2020.

- (b) An urban retail water supplier shall adopt one of the following methods for determining its urban water use target pursuant to subdivision (a):

- (1) Eighty percent of the urban retail water supplier's baseline per capita daily water use.

- (2) The per capita daily water use that is estimated using the sum of the following performance standards:

- (A) For indoor residential water use, 55 gallons per capita daily water use as a provisional standard. Upon completion of the department's 2016 report to the Legislature pursuant to Section 10608.42, this standard may be adjusted by the Legislature by statute.
 - (B) For landscape irrigated through dedicated or residential meters or connections, water efficiency equivalent to the standards of the Model Water Efficient Landscape Ordinance set forth in Chapter 2.7 (commencing with Section 490) of Division 2 of Title 23 of the California Code of Regulations, as in effect the later of the year of the landscape's installation or 1992. An urban retail water supplier using the approach specified in this subparagraph shall use satellite imagery, site visits, or other best available technology to develop an accurate estimate of landscaped areas.
 - (C) For commercial, industrial, and institutional uses, a 10-percent reduction in water use from the baseline commercial, industrial, and institutional water use by 2020.
- (3) Ninety-five percent of the applicable state hydrologic region target, as set forth in the state's draft 20x2020 Water Conservation Plan (dated April 30, 2009). If the service area of an urban water supplier includes more than one hydrologic region, the supplier shall apportion its service area to each region based on population or area.
- (4) A method that shall be identified and developed by the department, through a public process, and reported to the Legislature no later than December 31, 2010. The method developed by the department shall identify per capita targets that cumulatively result in a statewide 20-percent reduction in urban daily per capita water use by December 31, 2020. In developing urban daily per capita water use targets, the department shall do all of the following:
- (A) Consider climatic differences within the state.
 - (B) Consider population density differences within the state.
 - (C) Provide flexibility to communities and regions in meeting the targets.
 - (D) Consider different levels of per capita water use according to plant water needs in different regions.
 - (E) Consider different levels of commercial, industrial, and institutional water use in different regions of the state.
 - (F) Avoid placing an undue hardship on communities that have implemented conservation measures or taken actions to keep per capita water use low.
- (c) If the department adopts a regulation pursuant to paragraph (4) of subdivision (b) that results in a requirement that an urban retail water supplier achieve a reduction in daily per capita water use that is greater than 20 percent by December 31, 2020, an urban retail water supplier that adopted the method

described in paragraph (4) of subdivision (b) may limit its urban water use target to a reduction of not more than 20 percent by December 31, 2020, by adopting the method described in paragraph (1) of subdivision (b).

- (d) The department shall update the method described in paragraph (4) of subdivision (b) and report to the Legislature by December 31, 2014. An urban retail water supplier that adopted the method described in paragraph (4) of subdivision (b) may adopt a new urban daily per capita water use target pursuant to this updated method.
- (e) An urban retail water supplier shall include in its urban water management plan due in 2010 pursuant to Part 2.6 (commencing with Section 10610) the baseline daily per capita water use, urban water use target, interim urban water use target, and compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.
- (f) When calculating per capita values for the purposes of this chapter, an urban retail water supplier shall determine population using federal, state, and local population reports and projections.
- (g) An urban retail water supplier may update its 2020 urban water use target in its 2015 urban water management plan required pursuant to Part 2.6 (commencing with Section 10610).
- (h) (1) The department, through a public process and in consultation with the California Urban Water Conservation Council, shall develop technical methodologies and criteria for the consistent implementation of this part, including, but not limited to, both of the following:
 - (A) Methodologies for calculating base daily per capita water use, baseline commercial, industrial, and institutional water use, compliance daily per capita water use, gross water use, service area population, indoor residential water use, and landscaped area water use.
 - (B) Criteria for adjustments pursuant to subdivisions (d) and (e) of Section 10608.24.
- (2) The department shall post the methodologies and criteria developed pursuant to this subdivision on its Internet Web site, and make written copies available, by October 1, 2010. An urban retail water supplier shall use the methods developed by the department in compliance with this part.
- (i) (1) The department shall adopt regulations for implementation of the provisions relating to process water in accordance with subdivision (l) of Section 10608.12, subdivision (e) of Section 10608.24, and subdivision (d) of Section 10608.26.
- (2) The initial adoption of a regulation authorized by this subdivision is deemed to address an emergency, for purposes of Sections 11346.1 and 11349.6 of the Government Code, and the department is hereby exempted for that purpose from the requirements of subdivision (b) of Section 11346.1 of the

Government Code. After the initial adoption of an emergency regulation pursuant to this subdivision, the department shall not request approval from the Office of Administrative Law to readopt the regulation as an emergency regulation pursuant to Section 11346.1 of the Government Code.

- (j) (1) An urban retail water supplier is granted an extension to July 1, 2011, for adoption of an urban water management plan pursuant to Part 2.6 (commencing with Section 10610) due in 2010 to allow the use of technical methodologies developed by the department pursuant to paragraph (4) of subdivision (b) and subdivision (h). An urban retail water supplier that adopts an urban water management plan due in 2010 that does not use the methodologies developed by the department pursuant to subdivision (h) shall amend the plan by July 1, 2011, to comply with this part.
- (2) An urban wholesale water supplier whose urban water management plan prepared pursuant to Part 2.6 (commencing with Section 10610) was due and not submitted in 2010 is granted an extension to July 1, 2011, to permit coordination between an urban wholesale water supplier and urban retail water suppliers.

10608.22. Notwithstanding the method adopted by an urban retail water supplier pursuant to Section 10608.20, an urban retail water supplier's per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use as defined in paragraph(3) of subdivision (b) of Section 10608.12. This section does not apply to an urban retail water supplier with a base daily per capita water use at or below 100 gallons per capita per day.

10608.24.(a) Each urban retail water supplier shall meet its interim urban water use target by December 31, 2015.

(b) Each urban retail water supplier shall meet its urban water use target by December 31, 2020.

(c) An urban retail water supplier's compliance daily per capita water use shall be the measure of progress toward achievement of its urban water use target.

(d) (1) When determining compliance daily per capita water use, an urban retail water supplier may consider the following factors:

(A) Differences in evapotranspiration and rainfall in the baseline period compared to the compliance reporting period.

(B) Substantial changes to commercial or industrial water use resulting from increased business output and economic development that have occurred during the reporting period.

(C) Substantial changes to institutional water use resulting from fire suppression services or other extraordinary events, or from new or expanded operations, that have occurred during the reporting period.

(2) If the urban retail water supplier elects to adjust its estimate of compliance daily per capita water use due to one or more of the factors described in

paragraph (1), it shall provide the basis for, and data supporting, the adjustment in the report required by Section 10608.40.

- (e) When developing the urban water use target pursuant to Section 10608.20, an urban retail water supplier that has a substantial percentage of industrial water use in its service area may exclude process water from the calculation of gross water use to avoid a disproportionate burden on another customer sector.
- (f) (1) An urban retail water supplier that includes agricultural water use in an urban water management plan pursuant to Part 2.6 (commencing with Section 10610) may include the agricultural water use in determining gross water use. An urban retail water supplier that includes agricultural water use in determining gross water use and develops its urban water use target pursuant to paragraph (2) of subdivision (b) of Section 10608.20 shall use a water efficient standard for agricultural irrigation of 100 percent of reference evapotranspiration multiplied by the crop coefficient for irrigated acres.
- (2) An urban retail water supplier, that is also an agricultural water supplier, is not subject to the requirements of Chapter 4 (commencing with Section 10608.48), if the agricultural water use is incorporated into its urban water use target pursuant to paragraph (1).

10608.26.(a) In complying with this part, an urban retail water supplier shall conduct at least one public hearing to accomplish all of the following:

- (1) Allow community input regarding the urban retail water supplier's implementation plan for complying with this part.
 - (2) Consider the economic impacts of the urban retail water supplier's implementation plan for complying with this part.
 - (3) Adopt a method, pursuant to subdivision (b) of Section 10608.20, for determining its urban water use target.
- (b) In complying with this part, an urban retail water supplier may meet its urban water use target through efficiency improvements in any combination among its customer sectors. An urban retail water supplier shall avoid placing a disproportionate burden on any customer sector.
- (c) For an urban retail water supplier that supplies water to a United States Department of Defense military installation, the urban retail water supplier's implementation plan for complying with this part shall consider the conservation of that military installation under federal Executive Order 13514.
- (d) (1) Any ordinance or resolution adopted by an urban retail water supplier after the effective date of this section shall not require existing customers as of the effective date of this section, to undertake changes in product formulation, operations, or equipment that would reduce process water use, but may provide technical assistance and financial incentives to those customers to implement efficiency measures for process water. This section shall not limit

an ordinance or resolution adopted pursuant to a declaration of drought emergency by an urban retail water supplier.

- (2) This part shall not be construed or enforced so as to interfere with the requirements of Chapter 4 (commencing with Section 113980) to Chapter 13 (commencing with Section 114380), inclusive, of Part 7 of Division 104 of the Health and Safety Code, or any requirement or standard for the protection of public health, public safety, or worker safety established by federal, state, or local government or recommended by recognized standard setting organizations or trade associations.

10608.28.(a) An urban retail water supplier may meet its urban water use target within its retail service area, or through mutual agreement, by any of the following:

- (1) Through an urban wholesale water supplier.
 - (2) Through a regional agency authorized to plan and implement water conservation, including, but not limited to, an agency established under the Bay Area Water Supply and Conservation Agency Act (Division 31 (commencing with Section 81300)).
 - (3) Through a regional water management group as defined in Section 10537.
 - (4) By an integrated regional water management funding area.
 - (5) By hydrologic region.
 - (6) Through other appropriate geographic scales for which computation methods have been developed by the department.
- (b) A regional water management group, with the written consent of its member agencies, may undertake any or all planning, reporting, and implementation functions under this chapter for the member agencies that consent to those activities. Any data or reports shall provide information both for the regional water management group and separately for each consenting urban retail water supplier and urban wholesale water supplier.

10608.32. All costs incurred pursuant to this part by a water utility regulated by the Public Utilities Commission may be recoverable in rates subject to review and approval by the Public Utilities Commission, and may be recorded in a memorandum account and reviewed for reasonableness by the Public Utilities Commission.

10608.36. Urban wholesale water suppliers shall include in the urban water management plans required pursuant to Part 2.6 (commencing with Section 10610) an assessment of their present and proposed future measures, programs, and policies to help achieve the water use reductions required by this part.

10608.40. Urban water retail suppliers shall report to the department on their progress in meeting their urban water use targets as part of their urban water management plans

submitted pursuant to Section 10631. The data shall be reported using a standardized form developed pursuant to Section 10608.52.

10608.42.(a) The department shall review the 2015 urban water management plans and report to the Legislature by July 1, 2017, on progress towards achieving a 20-percent reduction in urban water use by December 31, 2020. The report shall include recommendations on changes to water efficiency standards or urban water use targets to achieve the 20-percent reduction and to reflect updated efficiency information and technology changes.

(b) A report to be submitted pursuant to subdivision (a) shall be submitted in compliance with Section 9795 of the Government Code.

10608.43. The department, in conjunction with the California Urban Water Conservation Council, by April 1, 2010, shall convene a representative task force consisting of academic experts, urban retail water suppliers, environmental organizations, commercial water users, industrial water users, and institutional water users to develop alternative best management practices for commercial, industrial, and institutional users and an assessment of the potential statewide water use efficiency improvement in the commercial, industrial, and institutional sectors that would result from implementation of these best management practices. The taskforce, in conjunction with the department, shall submit a report to the Legislature by April 1, 2012, that shall include a review of multiple sectors within commercial, industrial, and institutional users and that shall recommend water use efficiency standards for commercial, industrial, and institutional users among various sectors of water use. The report shall include, but not be limited to, the following:

- (a) Appropriate metrics for evaluating commercial, industrial, and institutional water use.
- (b) Evaluation of water demands for manufacturing processes, goods, and cooling.
- (c) Evaluation of public infrastructure necessary for delivery of recycled water to the commercial, industrial, and institutional sectors.
- (d) Evaluation of institutional and economic barriers to increased recycled water use within the commercial, industrial, and institutional sectors.
- (e) Identification of technical feasibility and cost of the best management practices to achieve more efficient water use statewide in the commercial, industrial, and institutional sectors that is consistent with the public interest and reflects past investments in water use efficiency.

10608.44. Each state agency shall reduce water use at facilities it operates to support urban retail water suppliers in meeting the target identified in Section 10608.16.

Chapter 4 Agricultural Water Suppliers

SECTION 10608.48

10608.48.(a) On or before July 31, 2012, an agricultural water supplier shall implement efficient water management practices pursuant to subdivisions (b) and (c).

(b) Agricultural water suppliers shall implement all of the following critical efficient management practices:

(1) Measure the volume of water delivered to customers with sufficient accuracy to comply with subdivision (a) of Section 531.10 and to implement paragraph (2).

(2) Adopt a pricing structure for water customers based at least in part on quantity delivered.

(c) Agricultural water suppliers shall implement additional efficient management practices, including, but not limited to, practices to accomplish all of the following, if the measures are locally cost effective and technically feasible:

(1) Facilitate alternative land use for lands with exceptionally high water duties or whose irrigation contributes to significant problems, including drainage.

(2) Facilitate use of available recycled water that otherwise would not be used beneficially, meets all health and safety criteria, and does not harm crops or soils.

(3) Facilitate the financing of capital improvements for on-farm irrigation systems.

(4) Implement an incentive pricing structure that promotes one or more of the following goals:

(A) More efficient water use at the farm level.

(B) Conjunctive use of groundwater.

(C) Appropriate increase of groundwater recharge.

(D) Reduction in problem drainage.

(E) Improved management of environmental resources.

(F) Effective management of all water sources throughout the year by adjusting seasonal pricing structures based on current conditions.

(5) Expand line or pipe distribution systems, and construct regulatory reservoirs to increase distribution system flexibility and capacity, decrease maintenance, and reduce seepage.

- (6) Increase flexibility in water ordering by, and delivery to, water customers within operational limits.
 - (7) Construct and operate supplier spill and tailwater recovery systems.
 - (8) Increase planned conjunctive use of surface water and groundwater within the supplier service area.
 - (9) Automate canal control structures.
 - (10) Facilitate or promote customer pump testing and evaluation.
 - (11) Designate a water conservation coordinator who will develop and implement the water management plan and prepare progress reports.
 - (12) Provide for the availability of water management services to water users. These services may include, but are not limited to, all of the following:
 - (A) On-farm irrigation and drainage system evaluations.
 - (B) Normal year and real-time irrigation scheduling and crop evapotranspiration information.
 - (C) Surface water, groundwater, and drainage water quantity and quality data.
 - (D) Agricultural water management educational programs and materials for farmers, staff, and the public.
 - (13) Evaluate the policies of agencies that provide the supplier with water to identify the potential for institutional changes to allow more flexible water deliveries and storage.
 - (14) Evaluate and improve the efficiencies of the supplier's pumps.
- (d) Agricultural water suppliers shall include in the agricultural water management plans required pursuant to Part 2.8 (commencing with Section 10800) a report on which efficient water management practices have been implemented and are planned to be implemented, an estimate of the water use efficiency improvements that have occurred since the last report, and an estimate of the water use efficiency improvements estimated to occur five and 10 years in the future. If an agricultural water supplier determines that an efficient water management practice is not locally cost effective or technically feasible, the supplier shall submit information documenting that determination.
- (e) The data shall be reported using a standardized form developed pursuant to Section 10608.52.
- (f) An agricultural water supplier may meet the requirements of subdivisions (d) and (e) by submitting to the department a water conservation plan submitted to the United States Bureau of Reclamation that meets the requirements described in Section 10828.

- (g) On or before December 31, 2013, December 31, 2016, and December 31, 2021, the department, in consultation with the board, shall submit to the Legislature a report on the agricultural efficient water management practices that have been implemented and are planned to be implemented and an assessment of the manner in which the implementation of those efficient water management practices has affected and will affect agricultural operations, including estimated water use efficiency improvements, if any.
- (h) The department may update the efficient water management practices required pursuant to subdivision (c), in consultation with the Agricultural Water Management Council, the United States Bureau of Reclamation, and the board. All efficient water management practices for agricultural water use pursuant to this chapter shall be adopted or revised by the department only after the department conducts public hearings to allow participation of the diverse geographical areas and interests of the state.
- (i)
 - (1) The department shall adopt regulations that provide for a range of options that agricultural water suppliers may use or implement to comply with the measurement requirement in paragraph (1) of subdivision (b).
 - (2) The initial adoption of a regulation authorized by this subdivision is deemed to address an emergency, for purposes of Sections 11346.1 and 11349.6 of the Government Code, and the department is hereby exempted for that purpose from the requirements of subdivision (b) of Section 11346.1 of the Government Code. After the initial adoption of an emergency regulation pursuant to this subdivision, the department shall not request approval from the Office of Administrative Law to readopt the regulation as an emergency regulation pursuant to Section 11346.1 of the Government Code.

Chapter 5 Sustainable Water Management

Section 10608.50

- 10608.50.(a) The department, in consultation with the board, shall promote implementation of regional water resources management practices through increased incentives and removal of barriers consistent with state and federal law. Potential changes may include, but are not limited to, all of the following:
- (1) Revisions to the requirements for urban and agricultural water management plans.
 - (2) Revisions to the requirements for integrated regional water management plans.
 - (3) Revisions to the eligibility for state water management grants and loans.

- (4) Revisions to state or local permitting requirements that increase water supply opportunities, but do not weaken water quality protection under state and federal law.
 - (5) Increased funding for research, feasibility studies, and project construction.
 - (6) Expanding technical and educational support for local land use and water management agencies.
- (b) No later than January 1, 2011, and updated as part of the California Water Plan, the department, in consultation with the board, and with public input, shall propose new statewide targets, or review and update existing statewide targets, for regional water resources management practices, including, but not limited to, recycled water, brackish groundwater desalination, and infiltration and direct use of urban stormwater runoff.

Chapter 6 Standardized Data Collection

SECTION 10608.52

- 10608.52.(a) The department, in consultation with the board, the California Bay-Delta Authority or its successor agency, the State Department of Public Health, and the Public Utilities Commission, shall develop a single standardized water use reporting form to meet the water use information needs of each agency, including the needs of urban water suppliers that elect to determine and report progress toward achieving targets on a regional basis as provided in subdivision (a) of Section 10608.28.
- (b) At a minimum, the form shall be developed to accommodate information sufficient to assess an urban water supplier's compliance with conservation targets pursuant to Section 10608.24 and an agricultural water supplier's compliance with implementation of efficient water management practices pursuant to subdivision (a) of Section 10608.48. The form shall accommodate reporting by urban water suppliers on an individual or regional basis as provided in subdivision (a) of Section 10608.28.

Chapter 7 Funding Provisions

Section 10608.56-10608.60

- 10608.56.(a) On and after July 1, 2016, an urban retail water supplier is not eligible for a water grant or loan awarded or administered by the state unless the supplier complies with this part.
- (b) On and after July 1, 2013, an agricultural water supplier is not eligible for a water grant or loan awarded or administered by the state unless the supplier complies with this part.

- (c) Notwithstanding subdivision (a), the department shall determine that an urban retail water supplier is eligible for a water grant or loan even though the supplier has not met the per capita reductions required pursuant to Section 10608.24, if the urban retail water supplier has submitted to the department for approval a schedule, financing plan, and budget, to be included in the grant or loan agreement, for achieving the per capita reductions. The supplier may request grant or loan funds to achieve the per capita reductions to the extent the request is consistent with the eligibility requirements applicable to the water funds.
 - (d) Notwithstanding subdivision (b), the department shall determine that an agricultural water supplier is eligible for a water grant or loan even though the supplier is not implementing all of the efficient water management practices described in Section 10608.48, if the agricultural water supplier has submitted to the department for approval a schedule, financing plan, and budget, to be included in the grant or loan agreement, for implementation of the efficient water management practices. The supplier may request grant or loan funds to implement the efficient water management practices to the extent the request is consistent with the eligibility requirements applicable to the water funds.
 - (e) Notwithstanding subdivision (a), the department shall determine that an urban retail water supplier is eligible for a water grant or loan even though the supplier has not met the per capita reductions required pursuant to Section 10608.24, if the urban retail water supplier has submitted to the department for approval documentation demonstrating that its entire service area qualifies as a disadvantaged community.
 - (f) The department shall not deny eligibility to an urban retail water supplier or agricultural water supplier in compliance with the requirements of this part and Part 2.8 (commencing with Section 10800), that is participating in a multiagency water project, or an integrated regional water management plan, developed pursuant to Section 75026 of the Public Resources Code, solely on the basis that one or more of the agencies participating in the project or plan is not implementing all of the requirements of this part or Part 2.8 (commencing with Section 10800).
- 10608.60.(a) It is the intent of the Legislature that funds made available by Section 75026 of the Public Resources Code should be expended, consistent with Division 43 (commencing with Section 75001) of the Public Resources Code and upon appropriation by the Legislature, for grants to implement this part. In the allocation of funding, it is the intent of the Legislature that the department give consideration to disadvantaged communities to assist in implementing the requirements of this part.
- (b) It is the intent of the Legislature that funds made available by Section 75041 of the Public Resources Code, should be expended, consistent with Division 43 (commencing with Section 75001) of the Public Resources Code and upon appropriation by the Legislature, for direct expenditures to implement this part.

Chapter 8 Quantifying Agricultural Water Use Efficiency

SECTION 10608.64

10608.64. The department, in consultation with the Agricultural Water Management Council, academic experts, and other stakeholders, shall develop a methodology for quantifying the efficiency of agricultural water use. Alternatives to be assessed shall include, but not be limited to, determination of efficiency levels based on crop type or irrigation system distribution uniformity. On or before December 31, 2011, the department shall report to the Legislature on a proposed methodology and a plan for implementation. The plan shall include the estimated implementation costs and the types of data needed to support the methodology. Nothing in this section authorizes the department to implement a methodology established pursuant to this section.

APPENDIX H

SB X7-7 Verification Form

SB X7-7 Table 0: Units of Measure Used in UWMP**(select one from the drop down list)*

Acre Feet

**The unit of measure must be consistent with Table 2-3*

NOTES:

SB X7-7 Table-1: Baseline Period Ranges

Baseline	Parameter	Value	Units
10- to 15-year baseline period	2008 total water deliveries	1,606	Acre Feet
	2008 total volume of delivered recycled water	186	Acre Feet
	2008 recycled water as a percent of total deliveries	11.58%	Percent
	Number of years in baseline period ^{1, 2}	10	Years
	Year beginning baseline period range	1999	
	Year ending baseline period range ³	2008	
5-year baseline period	Number of years in baseline period	5	Years
	Year beginning baseline period range	2003	
	Year ending baseline period range ⁴	2007	

¹ If the 2008 recycled water percent is less than 10 percent, then the first baseline period is a continuous 10-year period. If the amount of recycled water delivered in 2008 is 10 percent or greater, the first baseline period is a continuous 10- to 15-year period. ² The Water Code requires that the baseline period is between 10 and 15 years. However, DWR recognizes that some water suppliers may not have the minimum 10 years of baseline data.

³ The ending year must be between December 31, 2004 and December 31, 2010.

⁴ The ending year must be between December 31, 2007 and December 31, 2010.

NOTES:

SB X7-7 Table 2: Method for Population Estimates

Method Used to Determine Population
(may check more than one)

☐

1. Department of Finance (DOF)
DOF Table E-8 (1990 - 2000) and (2000-2010) and
DOF Table E-5 (2011 - 2015) when available

☐

2. Persons-per-Connection Method

☒

3. DWR Population Tool

☐

4. Other
DWR recommends pre-review

NOTES:

SB X7-7 Table 3: Service Area Population

Year		Population
10 to 15 Year Baseline Population		
Year 1	1999	16,024
Year 2	2000	16,054
Year 3	2001	15,669
Year 4	2002	15,269
Year 5	2003	14,884
Year 6	2004	14,471
Year 7	2005	14,071
Year 8	2006	13,672
Year 9	2007	13,277
Year 10	2008	15,364
Year 11		
Year 12		
Year 13		
Year 14		
Year 15		
5 Year Baseline Population		
Year 1	2003	14,884
Year 2	2004	14,471
Year 3	2005	14,071
Year 4	2006	13,672
Year 5	2007	13,277
2015 Compliance Year Population		
2015		14,644
NOTES: The 2015 population was calculated using the persons per connection for 2010 calculated using the DWR Population Tool and then multiplying the 2010 persons per connection by the number of connections for 2015.		

SB X7-7 Table 4: Annual Gross Water Use *

Baseline Year <i>Fm SB X7-7 Table 3</i>		Volume Into Distribution System <i>This column will remain blank until SB X7-7 Table 4-A is completed.</i>	Deductions					Annual Gross Water Use
			Exported Water	Change in Dist. System Storage (+/-)	Indirect Recycled Water <i>This column will remain blank until SB X7-7 Table 4-B is completed.</i>	Water Delivered for Agricultural Use	Process Water <i>This column will remain blank until SB X7-7 Table 4-D is completed.</i>	
10 to 15 Year Baseline - Gross Water Use								
Year 1	1999	1,806			-		-	1,806
Year 2	2000	1,707			-		-	1,707
Year 3	2001	1,634			-		-	1,634
Year 4	2002	1,743			-		-	1,743
Year 5	2003	1,753			-		-	1,753
Year 6	2004	1,715			-		-	1,715
Year 7	2005	1,643			-		-	1,643
Year 8	2006	1,593			-		-	1,593
Year 9	2007	1,624			-		-	1,624
Year 10	2008	1,606			-		-	1,606
Year 11	0	-			-		-	-
Year 12	0	-			-		-	-
Year 13	0	-			-		-	-
Year 14	0	-			-		-	-
Year 15	0	-			-		-	-
10 - 15 year baseline average gross water use								1,682
5 Year Baseline - Gross Water Use								
Year 1	2003	1,753			-		-	1,753
Year 2	2004	1,715			-		-	1,715
Year 3	2005	1,643			-		-	1,643
Year 4	2006	1,593			-		-	1,593
Year 5	2007	1,624			-		-	1,624
5 year baseline average gross water use								1,666
2015 Compliance Year - Gross Water Use								
2015		1,354	-		-		-	1,354

* NOTE that the units of measure must remain consistent throughout the UWMP, as reported in Table 2-3

NOTES:

SB X7-7 Table 4-A: Volume Entering the Distribution System(s)

Complete one table for each source.

Name of Source	Groundwater and MWD Water
-----------------------	---------------------------

This water source is:

<input checked="" type="checkbox"/>	The supplier's own water source
<input checked="" type="checkbox"/>	A purchased or imported source

Baseline Year <i>Fm SB X7-7 Table 3</i>	Volume Entering Distribution System	Meter Error Adjustment* <i>Optional (+/-)</i>	Corrected Volume Entering Distribution System
--------------------------------------------	----------------------------------------------	---------------------------------------------------------	-----------------------------------------------------------

10 to 15 Year Baseline - Water into Distribution System

Year 1	1999	1,806		1,806
Year 2	2000	1,707		1,707
Year 3	2001	1,634		1,634
Year 4	2002	1,743		1,743
Year 5	2003	1,753		1,753
Year 6	2004	1,715		1,715
Year 7	2005	1,643		1,643
Year 8	2006	1,593		1,593
Year 9	2007	1,624		1,624
Year 10	2008	1,606		1,606
Year 11	0			-
Year 12	0			-
Year 13	0			-
Year 14	0			-
Year 15	0			-

5 Year Baseline - Water into Distribution System

Year 1	2003	1,753		1,753
Year 2	2004	1,715		1,715
Year 3	2005	1,643		1,643
Year 4	2006	1,593		1,593
Year 5	2007	1,624		1,624

2015 Compliance Year - Water into Distribution System

2015	1,354		1,354
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** Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document*

NOTES: Historical data is not broken down by source

SB X7-7 Table 5: Gallons Per Capita Per Day (GPCD)

Baseline Year <i>Fm SB X7-7 Table 3</i>	Service Area Population <i>Fm SB X7-7 Table 3</i>	Annual Gross Water Use <i>Fm SB X7-7 Table 4</i>	Daily Per Capita Water Use (GPCD)
---------------------------------------------------	---------------------------------------------------------------------	--------------------------------------------------------------------	--------------------------------------------------

10 to 15 Year Baseline GPCD

Year 1	1999	16,024	1,806	101
Year 2	2000	16,054	1,707	95
Year 3	2001	15,669	1,634	93
Year 4	2002	15,269	1,743	102
Year 5	2003	14,884	1,753	105
Year 6	2004	14,471	1,715	106
Year 7	2005	14,071	1,643	104
Year 8	2006	13,672	1,593	104
Year 9	2007	13,277	1,624	109
Year 10	2008	15,364	1,606	93
Year 11	0	-	-	
Year 12	0	-	-	
Year 13	0	-	-	
Year 14	0	-	-	
Year 15	0	-	-	

10-15 Year Average Baseline GPCD	101
-----------------------------------------	------------

5 Year Baseline GPCD

Baseline Year <i>Fm SB X7-7 Table 3</i>		Service Area Population <i>Fm SB X7-7 Table 3</i>	Gross Water Use <i>Fm SB X7-7 Table 4</i>	Daily Per Capita Water Use
Year 1	2003	14,884	1,753	105
Year 2	2004	14,471	1,715	106
Year 3	2005	14,071	1,643	104
Year 4	2006	13,672	1,593	104
Year 5	2007	13,277	1,624	109

5 Year Average Baseline GPCD	106
-------------------------------------	------------

2015 Compliance Year GPCD

2015	14,644	1,354	83
-------------	--------	-------	-----------

NOTES:

SB X7-7 Table 6: Gallons per Capita per Day*Summary From Table SB X7-7 Table 5*

10-15 Year Baseline GPCD	101
5 Year Baseline GPCD	106
2015 Compliance Year GPCD	83

NOTES:

SB X7-7 Table 7: 2020 Target Method*Select Only One*

Target Method		Supporting Documentation
<input type="checkbox"/>	Method 1	SB X7-7 Table 7A
<input type="checkbox"/>	Method 2	SB X7-7 Tables 7B, 7C, and 7D <i>Contact DWR for these tables</i>
<input checked="" type="checkbox"/>	Method 3	SB X7-7 Table 7-E
<input type="checkbox"/>	Method 4	Method 4 Calculator

NOTES:

SB X7-7 Table 7-A: Target Method 1
20% Reduction

10-15 Year Baseline GPCD	2020 Target GPCD
101	81

NOTES:

SB X7-7 Table 7-E: Target Method 3

Agency May Select More Than One as Applicable	Percentage of Service Area in This Hydrological Region	Hydrologic Region	"2020 Plan" Regional Targets	Method 3 Regional Targets (95%)
<input type="checkbox"/>		North Coast	137	130
<input type="checkbox"/>		North Lahontan	173	164
<input type="checkbox"/>		Sacramento River	176	167
<input type="checkbox"/>		San Francisco Bay	131	124
<input type="checkbox"/>		San Joaquin River	174	165
<input type="checkbox"/>		Central Coast	123	117
<input type="checkbox"/>		Tulare Lake	188	179
<input type="checkbox"/>		South Lahontan	170	162
<input checked="" type="checkbox"/>	100%	South Coast	149	142
<input type="checkbox"/>		Colorado River	211	200
Target <i>(If more than one region is selected, this value is calculated.)</i>				142
NOTES: <div></div>				

SB X7-7 Table 7-F: Confirm Minimum Reduction for 2020 Target

5 Year Baseline GPCD <i>From SB X7-7 Table 5</i>	Maximum 2020 Target ¹	Calculated 2020 Target ²	Confirmed 2020 Target
106	100	142	100

¹ Maximum 2020 Target is 95% of the 5 Year Baseline GPCD
² 2020
 Target is calculated based on the selected Target Method, see SB X7-7 Table 7 and
 corresponding tables for agency's calculated target.

NOTES:

SB X7-7 Table 8: 2015 Interim Target GPCD

Confirmed 2020 Target <i>Fm SB X7-7 Table 7-F</i>	10-15 year Baseline GPCD <i>Fm SB X7-7 Table 5</i>	2015 Interim Target GPCD
100	101	101

NOTES:

SB X7-7 Table 9: 2015 Compliance

Actual 2015 GPCD	2015 Interim Target GPCD	Optional Adjustments <i>(in GPCD)</i>					2015 GPCD <i>(Adjusted if applicable)</i>	Did Supplier Achieve Targeted Reduction for 2015?
		Enter "0" if Adjustment Not Used			TOTAL Adjustments	Adjusted 2015 GPCD		
		Extraordinary Events	Weather Normalization	Economic Adjustment				
83	101	0	0	0	-	83	83	YES

NOTES:

APPENDIX I

Central Basin Judgment

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10	CENTRAL AND WEST BASIN WATER
11	REPLENISHMENT DISTRICT, etc.,
12	Plaintiff,
13	vs.
14	CHARLES E. ADAMS, et al.,
15	Defendant
16	CITY OF LAKEWOOD, a municipal
17	corporation,
18	Cross-Complainant
19	vs.
20	CHARLES E. ADAMS, et al.,
21	Cross-Defendants.
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	THIRD AMENDED JUDGMENT

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1	Space which has been apportioned herein for Individual Storage Accounts and Community
2	Storage.
3	“ <u>Administrative Body</u> ” is defined in Section II(A).
4	“ <u>Administrative Year</u> ” means the twelve (12) month period beginning July 1 and ending
5	June 30.
6	“ <u>Allowed Pumping Allocation</u> ” is that quantity in acre feet which the Court adjudges to
7	be the maximum quantity which a party should be allowed to extract annually from Central
8	Basin as set forth in Part I hereof, which constitutes 80% of such party’s Total Water Right
9	“ <u>Allowed Pumping Allocation for a particular Administrative Year</u> ” and “ <u>Allowed</u>
10	<u>Pumping Allocation in the following Administrative Year</u> ” and similar clauses, mean the
11	Allowed Pumping Allocation as increased in a particular Administrative Year by any authorized
12	carryovers pursuant to Section III(A) of this Judgment and as reduced by reason of any over-
13	extractions in a previous Administrative Year.
14	“ <u>Artificial Replenishment</u> ” is the replenishment of Central Basin achieved through the
15	spreading or injection of imported or recycled water for percolation thereof into Central Basin by
16	a governmental agency, including WRD.
17	“ <u>Artificial Replenishment Water</u> ” means water captured or procured by WRD to
18	replenish the Basin, either directly by percolating or injecting the water into the Basin, or
19	through in lieu replenishment by substituting surface water (or payment therefor) in lieu of
20	production and use of groundwater.
21	“ <u>Available Dewatered Space</u> ” means the total amount of space available to hold
22	groundwater within the Central Basin without causing Material Physical Harm, which space is
23	allocated between Adjudicated Storage Capacity and Basin Operating Reserve.
24	“ <u>Base Water Right</u> ” is the highest continuous extractions of water by a party from Central
25	Basin for a beneficial use in any period of five consecutive years after the commencement of
26	overdraft in Central Basin and prior to the commencement of this action, as to which there has
27	been no cessation of use by that party during any subsequent period of five consecutive years.
28	As employed in the above definition, the words “extractions of water by a party” and “cessation
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1	of use by that party” include such extractions and cessations by any predecessor or predecessors
2	in interest
3	“ <u>Basin Operating Reserve</u> ” means a total of 110,000 acre feet of Available Dewatered
4	Space available for Basin operations as provided in Section IV(L). The Basin Operating Reserve
5	added to the Adjudicated Storage Capacity equals the amount of Available Dewatered Space.
6	“ <u>Calendar Year</u> ” is the twelve month period commencing January 1 of each year and
7	ending December 31 of each year.
8	“ <u>Carryover</u> ” is defined in Section III(A).
9	“ <u>Carryover Conversion</u> ” means the process of transferring water properly held as
10	Carryover into Stored Water, or the water so converted to Stored Water.
11	“ <u>Central Basin</u> ” is the underground basin or reservoir underlying the Central Basin Area,
12	the exterior boundaries of which Central Basin are the same as the exterior boundaries of Central
13	Basin Area.
14	“ <u>Central Basin Area</u> ” is the territory described in Appendix “1” to this Judgment and is a
15	segment of the territory comprising Plaintiff District.
16	“ <u>Central Basin Water Rights Panel</u> ” means the constituent body of Watermaster
17	consisting of seven (7) Parties elected from among parties holding Allowed Pumping Allocations
18	as provided in Section II(B).
19	“ <u>CEQA</u> ” refers to the California Environmental Quality Act, Public Resources Code
20	§§ 21000 <i>et seq.</i>
21	“ <u>Community Storage Pool</u> ” is defined in Section IV(E).
22	“ <u>Declared Water Emergency</u> ” means a period commencing with the adoption of a
23	resolution of the Board of Directors of WRD declaring that conditions within the Central Basin
24	relating to natural and imported supplies of water are such that, without implementation of the
25	water emergency provisions of this Judgment, the water resources of the Central Basin risk
26	degradation. Such Declaration may be made as provided in Section III(A)(3).
27	“ <u>Disadvantaged Community</u> ” means any area that is served by a Water Purveyor and that
28	consists of one or more contiguous census tracts which, based upon the most-recent United
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1	States Census data, demonstrates a median household income which is less than eighty percent
2	(80%) of the median household income for all Census Tracts within the state of California. The
3	identification of Disadvantaged Communities shall be made by Watermaster following each
4	decennial census.
5	“ <u>Extraction</u> ,” “ <u>extractions</u> ,” “ <u>extracting</u> ,” “ <u>extracted</u> ,” and other variations of the same
6	noun and verb, mean pumping, taking, diverting or withdrawing groundwater by any manner or
7	means whatsoever from Central Basin.
8	“ <u>Imported Water</u> ” means water brought into Central Basin Area from a non-tributary
9	source by a party and any predecessors in interest, either through purchase directly from
10	Metropolitan Water District of Southern California (“MWD”), the Central Basin Municipal
11	Water District (“CBMWD”), or any other MWD member agency and additionally, as to the
12	Department of Water and Power of the City of Los Angeles, water brought into the Central Basin
13	Area by that party by means of the Owens River Aqueduct. In the case of water imported for
14	storage by a party pursuant to this Judgment, “Imported Water” means water brought into the
15	Central Basin from any non-tributary source as one method for establishing storage in the
16	Central Basin.
17	“ <u>Imported Water Use Credit</u> ” is the annual amount, computed on a calendar year basis, of
18	Imported Water which any party and any predecessors in interest, who have timely made the
19	required filings under Water Code Section 1005.1, have imported into Central Basin Area in any
20	calendar year and subsequent to July 9, 1951, for beneficial use therein, but not exceeding the
21	amount by which that party and any predecessors in interest reduces his or their extractions of
22	groundwater from Central Basin in that calendar year from the level of his or their extractions in
23	the preceding calendar year, or in any prior calendar year not earlier than the calendar year 1950,
24	whichever is the greater.
25	“ <u>Individual Storage Allocation</u> ” is defined in Section IV(D).
26	“ <u>Majority Protest</u> ” means a written protest filed with the Administrative Body of
27	Watermaster within sixty (60) days following a protested event or decision, which evidences the
28	concurrence of a majority of the Allowed Pumping Allocations held within the Basin as of the
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1	date thereof.
2	“ <u>Material Physical Harm</u> ” means material physical injury or a material diminution in the
3	quality or quantity of groundwater available within the Basin to support extraction of Total
4	Water Rights or Stored Water, that is demonstrated to be attributable to the placement, recharge,
5	injection, storage or recapture of Stored Water in the Central Basin, including, but not limited to,
6	degradation of water quality, liquefaction, land subsidence and other material physical injury
7	caused by elevated or lowered groundwater levels. Material Physical Harm does not include
8	“economic injury” that results from other than direct physical causes, including any adverse
9	effect on water rates, lease rates, or demand for water. Once fully mitigated, physical injury
10	shall no longer be considered to be material.
11	“ <u>Natural Replenishment</u> ” means and includes all processes other than “Artificial
12	Replenishment” by which water may become a part of the groundwater supply of Central Basin.
13	“ <u>Natural Safe Yield</u> ” is the maximum quantity of groundwater, not in excess of the long
14	term average annual quantity of Natural Replenishment, which may be extracted annually from
15	Central Basin without eventual depletion thereof or without otherwise causing eventual
16	permanent damage to Central Basin as a source of groundwater for beneficial use, said maximum
17	quantity being determined without reference to Artificial Replenishment.
18	“ <u>Outgoing Watermaster</u> ” is the State of California, Department of Water Resources, the
19	Watermaster appointed pursuant to the terms of the Judgment before this Third Amendment.
20	“ <u>Overdraft</u> ” is that condition of a groundwater basin resulting from extractions in any
21	given annual period or periods in excess of the long term average annual quantity of Natural
22	Replenishment, or in excess of that quantity which may be extracted annually without otherwise
23	causing eventual permanent damage to the basin.
24	“ <u>Party</u> ” means a party to this action. Whenever the term “party” is used in connection
25	with a quantitative water right, or any quantitative right, privilege or obligation, or in connection
26	with the assessment for the budget of the Watermaster, it shall be deemed to refer collectively to
27	those parties to whom are attributed a Total Water Right in Part I of this Judgment.
28	“ <u>Person</u> ” or “ <u>persons</u> ” include individuals, partnerships, associations, governmental
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1	agencies and corporations, and any and all types of entities.
2	“ <u>Recycled Water</u> ” means water that has been reclaimed through treatment appropriate for
3	its intended use in compliance with applicable regulations.
4	“ <u>Regional Disadvantaged Communities Incentive Program</u> ” means a program to be
5	developed by Watermaster in the manner provided in Section II(H) of this Judgment, and
6	approved by the Court, whereby a portion of the Community Storage Pool is made available to
7	or for the benefit of Disadvantaged Communities, on a priority basis within the Central Basin.
8	“ <u>Replenishment Assessment</u> ” means the replenishment assessment imposed by WRD
9	upon each acre-foot of groundwater extracted from the Central Basin pursuant to WRD’s
10	enabling act, California Water Code §§ 60000 et seq.
11	“ <u>Small Water Producers Group</u> ” means a body consisting of parties holding no greater
12	than 5,000 acre-feet of Allowed Pumping Allocation, as set forth on Appendix 3 hereto and as
13	may be modified from time to time by the Group’s own procedures and the requirements set
14	forth in Appendix 3.
15	“ <u>Storage Panel</u> ” or “ <u>Central Basin Storage Panel</u> ” means a bicameral constituent body of
16	Watermaster consisting of (i) the Central Basin Water Rights Panel and (ii) the Board of
17	Directors of WRD.
18	“ <u>Storage Project</u> ” means an activity pertaining to the placement, recharge, injection,
19	storage, transfer, or recapture of Stored Water within the Basin, but does not include actions by
20	WRD undertaken in connection with its replenishment activities.
21	“ <u>Stored Water</u> ” means water, including Recycled Water, held within Available
22	Dewatered Space as a result of spreading, injection, in-lieu delivery, or Carryover Conversion,
23	where there is an intention to subsequently withdraw the water for reasonable and beneficial use
24	pursuant to this Judgment.
25	“ <u>Total Water Right</u> ” is the quantity arrived at in the same manner as in the computation
26	of “Base Water Right,” but including as if extracted in any particular year the Imported Water
27	Use Credit, if any, to which a particular party may be entitled.
28	“ <u>Water</u> ” includes only non-saline water, which is that having less than 1,000 parts of
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1	chlorides to 1,000,000 parts of water.
2	“ <u>Water Augmentation Project</u> ” means pre-approved physical actions and management
3	activities that provide demonstrated appreciable increases in long-term annual groundwater yield
4	in the Basin that are initiated as provided in this Judgment after January 1, 2013.
5	“ <u>Water Purveyor</u> ” means a Party (and successors in interest) which sells water to the
6	public, whether a regulated public utility, mutual water company or public entity. As that term is
7	used in Section III(B)(6), “Water Purveyor,” in addition to the foregoing, means a Party which
8	has a connection or connections for the taking of Imported Water through the Metropolitan
9	Water District of Southern California (“MWD”), or through a MWD-member agency, or access
10	to such Imported Water through such connection, and which normally supplies at least a part of
11	its customers’ water needs with such Imported Water.
12	“ <u>Watermaster</u> ” is defined in Part II and is comprised of (i) the Administrative Body, (ii)
13	the Central Basin Water Rights Panel, and (iii) the Central Basin Storage Panel. Watermaster,
14	and the various constituent bodies of Watermaster, as designated in this Judgment, exist as a
15	special master pursuant to this Judgment and Watermaster serves at the pleasure of the Court.
16	Nothing herein shall be construed as creating an independent designation of “Watermaster” as a
17	public agency subject to the provisions of CEQA, nor does membership or participation as the
18	designated Watermaster expand any statutory, constitutional, or other powers of the members
19	serving as part of the Watermaster.
20	“ <u>West Coast Basin</u> ” is the groundwater basin adjacent to the Central Basin which is the
21	subject of a separate adjudication of groundwater rights in <i>California Water Service Company, et</i>
22	<i>al. v. City of Compton, et al.</i> , Los Angeles Superior Court Case No. 506806.
23	“ <u>WRD</u> ” or “ <u>Water Replenishment District</u> ” is the plaintiff herein, the Water
24	Replenishment District of Southern California, a special district of the State of California, which
25	brought this action under its former name, “Central and West Basin Water Replenishment
26	District.”
27	In those instances where any of the above-defined words, terms, phrases or clauses are
28	utilized in the definition of any of the other above-defined words, terms, phrases and clauses,
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1	such use is with the same meaning as is above set forth.
2	
3	NOW THEREFORE, IT IS ORDERED, DECLARED, ADJUDGED AND DECREED
4	WITH RESPECT TO THE ACTION AND CROSS-ACTION AS FOLLOWS:
5	
6	I. DECLARATION AND DETERMINATION OF WATER RIGHTS OF
7	PARTIES; RESTRICTION ON THE EXERCISE THEREOF. ¹
8	A. <u>Determination of Rights of Parties.</u>
9	(1) Each party, except defendants The City of Los Angeles and
10	Department of Water and Power of the City of Los Angeles, whose name is set
11	forth in Appendix 2 and by this reference made a part hereof, and after whose
12	name there appears under the column "Total Water Right" a figure other than "0,"
13	is the owner of and has the right to extract annually groundwater from Central
14	Basin for beneficial use in the quantity set forth after that party's name under said
15	column "Total Water Right" as of the close of the Administrative Year ending
16	June 30, 2012 in accordance with the Watermaster Reports on file with this Court
17	and the records of the Plaintiff. This tabulation does not take into account
18	additions or subtractions from any Allowed Pumping Allocation of a producer for
19	the 2012-2013 Administrative Year, nor other adjustments not representing
20	change in fee title to water rights, such as leases of water rights, nor does it
21	include the names of lessees of landowners where the lessees are exercising the
22	water rights. The exercise of all water rights is subject, however, to the
23	provisions of this Judgment as hereinafter contained. All of said rights are of the
24	same legal force and effect and are without priority with reference to each other.
25	Each party whose name is set forth in the tabulation in Appendix "2" of this
26	
27	¹ Headings in the Judgment are for purposes of reference and the language of said headings do not constitute, other
28	than for such purpose, a portion of this Judgment.
<p style="text-align: center;">13</p> <p style="text-align: center;">THIRD AMENDED JUDGMENT</p>	

1	Judgment, and after whose name there appears under the column "Total Water
2	Right" the figure "0," owns no rights to extract any groundwater from Central
3	Basin, and has no right to extract any groundwater from Central Basin.
4	(2) Defendant The City of Los Angeles is the owner of the right to
5	extract fifteen thousand (15,000) acre feet per annum of groundwater from
6	Central Basin, but it has the right and ability to purchase or lease additional rights
7	to extract groundwater and increase its Allowed Pumping Allocation. Defendant
8	Department of Water and Power of the City of Los Angeles has no right to extract
9	groundwater from Central Basin except insofar as it has the right, power, duty or
10	obligation on behalf of defendant The City of Los Angeles to exercise the water
11	rights in Central Basin of defendant The City of Los Angeles. The exercise of
12	said rights is subject, however, to the provisions of this Judgment hereafter
13	contained, including but not limited to, sharing with other parties in any
14	subsequent decreases or increases in the quantity of extractions permitted from
15	Central Basin, pursuant to continuing jurisdiction of the Court, on the basis that
16	fifteen thousand (15,000) acre feet (and any increase in its Allowed Pumping
17	Allocation) bears to the Allowed Pumping Allocations of the other parties.
18	(3) No party to this action is the owner of or has any right to extract
19	groundwater from Central Basin except as herein affirmatively determined.
20	B. <u>Parties Enjoined as to Quantities of Extractions.</u>
21	(1) Each party, other than The State of California and The City of Los
22	Angeles and Department of Water and Power of The City of Los Angeles, is
23	enjoined and restrained in any Administrative Year commencing after the date
24	this Judgment becomes final from extracting from Central Basin any quantity of
25	Water greater than the party's Allowed Pumping Allocation as hereinafter set
26	forth next to the name of the party in the tabulation appearing in Appendix 2 at
27	the end of this Judgment, subject to further provisions of this Judgment. Subject
28	to such further provisions, the officials, agents and employees of The State of
<p style="text-align: center;">14</p> <p style="text-align: center;">THIRD AMENDED JUDGMENT</p>	

1	California are enjoined and restrained in any such Administrative Year from
2	extracting from Central Basin collectively any quantity of water greater than the
3	Allowed Pumping Allocation of The State of California as hereinafter set forth
4	next to the name of that party in the same tabulation. Each party adjudged and
5	declared above not to be the owner of and not to have the right to extract
6	groundwater from Central Basin is enjoined and restrained in any Administrative
7	Year commencing after the date this Judgment becomes final from extracting any
8	groundwater from Central Basin, except as may be hereinafter permitted to any
9	such party under this Judgment.
10	(2) The total extraction right for each party includes a party's Allowed
11	Pumping Allocation (to the extent not transferred by agreement or otherwise), any
12	contractual right acquired through lease or other agreement to extract or use the
13	rights of another party, and any right to extract Stored Water or Carryover as
14	provided in this Judgment. No party may extract in excess of 140% of the sum of
15	(i) the party's Allowed Pumping Allocation and (ii) the party's leased water,
16	except upon prior approval by the applicable body of Watermaster as required
17	pursuant to Section IV(J) as provided herein. Upon application, the body specified
18	in Section IV(J) shall approve a party's request to extract water in excess of such
19	limit, provided there is no Material Physical Harm. Requests to extract water in
20	excess of such limit shall be reviewed and either approved or denied within thirty
21	(30) days of such request.
22	(3) Defendant The City of Los Angeles is enjoined and restrained in
23	any Administrative Year commencing after the date this Judgment becomes final
24	from extracting from Central Basin any quantity of water greater than fifteen
25	thousand (15,000) acre feet or its Allowed Pumping Allocation, as recognized by
26	the Watermaster, if it acquires additional rights to pump groundwater through
27	purchase or lease, subject to further provisions of this Judgment, including but not
28	limited to, sharing with other parties in any subsequent decreases or increases in

1	the quantity of extractions permitted from Central Basin by parties, pursuant to
2	continuing jurisdiction of the Court, on the basis that fifteen thousand (15,000)
3	acre feet (or the adjusted Allowed Pumping Allocation if additional rights are
4	acquired) bears to the Allowed Pumping Allocations of the other parties.
5	Defendant Department of Water and Power of The City of Los Angeles is
6	enjoined and restrained in any Administrative Year commencing after the date
7	this Judgment becomes final from extracting from Central Basin any quantity of
8	water other than such as it may extract on behalf of defendant The City of Los
9	Angeles, and which extractions, along with any extractions by said City, shall not
10	exceed that quantity permitted by this Judgment to that City in any Administrative
11	Year. Whenever in this Judgment the term "Allowed Pumping Allocation"
12	appears, it shall be deemed to mean as to defendant The City of Los Angeles the
13	quantity of fifteen thousand (15,000) acre feet unless the City of Los Angeles has
14	acquired through purchase or lease right to extract additional groundwater. The
15	limit on extraction as provided in the preceding Section I(B)(1) shall also apply to
16	The City of Los Angeles.
17	(4) Any rights decreed and adjudicated herein may be transferred,
18	assigned, licensed or leased by the owner thereof provided, however, that no such
19	transfer shall be complete until compliance with the appropriate notice procedures
20	established by Watermaster.
21	(5) Unless a party elects otherwise, production of water from the Basin
22	for the use or benefit of the parties hereto shall be counted against the party's total
23	extraction right in the following order: (i) Increased extractions by certain
24	qualified water rights holders pursuant to Section IV(K), (ii) Exchange Pool
25	production, (iii) production of Carryover water, (iv) production of leased water,
26	(v) production of Allowed Pumping Allocation, (vi) production of Stored Water,
27	(vii) production of Drought Carryover (according to Watermaster's Rules), and
28	(viii) production of water under an agreement with WRD during a period of

1	emergency pursuant to Section III(B)(6).
2	C. <u>Parties Enjoined as to Export of Extractions.</u>
3	Except as expressly authorized herein, or upon further order of the Court, all
4	parties are enjoined and restrained from transporting water extracted from the Central
5	Basin outside the boundaries of the Central Basin Area. For purposes of this Section,
6	water supplied by a Water Purveyor to its customers located within any of its service
7	areas contiguous to the Central Basin or within WRD's service area shall be exempt from
8	the export prohibition of this Section provided that the Water Purveyor also provides
9	water to a service area that overlies the Basin in whole or in part. The foregoing
10	exemption is not made, nor is it related to, a determination of an underflow between the
11	basins, a cost or benefit allocation, or any other factor relating to the allocation of the
12	Replenishment Assessment by WRD. Further, this injunction and restriction does not
13	apply to export of water that will take place pursuant to contractual obligations
14	specifically identified on Appendix 4, nor does it apply to export of Stored Water not
15	having its origin in Carryover Conversion. The export identified on Appendix 4 may
16	continue to the extent that any such extraction does not violate any other provisions of
17	this Judgment, provided however that no such export identified on Appendix 4 shall
18	exceed 5,000 acre-feet in any Year.
19	
20	II. <u>APPOINTMENT OF WATERMASTER; WATERMASTER ADMINISTRATION</u>
21	<u>PROVISIONS.</u>
22	The particular bodies specified below are, jointly, hereby appointed Watermaster,
23	for an indefinite term, but subject to removal by the Court, to administer this Judgment. Such
24	bodies, which together shall constitute the "Watermaster," shall have restricted powers, duties
25	and responsibilities as specified herein, it being the court's intention that particular constituent
26	bodies of Watermaster have only limited and specified powers over certain aspects of the
27	administration of this Judgment. The Outgoing Watermaster will exercise reasonable diligence
28	in the complete transition of Watermaster duties and responsibilities within a reasonable time
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1	following entry of this order, and to make available to the new Watermaster all records
2	concerning Watermaster activities. The chair of the Central Basin Water Rights Panel (defined
3	below) shall thereafter represent the Watermaster before the Court.
4	A. <u>The Administrative Body.</u>
5	Plaintiff Water Replenishment District of Southern California ("WRD") is
6	appointed the Administrative Body of the Central Basin Watermaster ("Administrative
7	Body"). In order to assist the Court in the administration of the provisions of this
8	Judgment and to keep the Water Rights Panel and the Court fully advised in the
9	premises, the Administrative Body shall have the following duties, powers and
10	responsibilities:
11	(1) <u>To Require Reports, Information and Records.</u>
12	In consultation with the Water Rights Panel, the Administrative Body
13	shall require the parties to furnish such reports, information and records as may be
14	reasonably necessary to determine compliance or lack of compliance by any party
15	with the provisions of this Judgment.
16	(2) <u>Storage Projects.</u>
17	The Administrative Body shall exercise such powers as may be
18	specifically granted to it under this Judgment with regard to Stored Water.
19	(3) <u>Annual Report.</u>
20	The Administrative Body shall prepare, on or before the 15th day of the
21	fourth month following the end of the preceding Administrative Year, an annual
22	report for the consideration of the Water Rights Panel. The Chair of the Water
23	Rights Panel shall submit to the Court either (1) the annual report prepared by the
24	Administrative Body, following the adoption by the Water Rights Panel, or (2) an
25	annual report separately prepared and adopted by the Water Rights Panel. The
26	annual report prepared by the Administrative Body shall be limited to the
27	following, unless otherwise required by the Court:
28	(a) Groundwater extractions
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1	(b) Storage Accounts maintained by each party
2	(c) Status of the Regional Disadvantaged Community
3	Incentive Program, if approved by the Court
4	(d) Exchange Pool operation
5	(e) Use of Imported Water
6	(f) Violations of this Judgment and corrective action taken by
7	bodies of Watermaster having jurisdiction as provided in this
8	Judgment
9	(g) Change of ownership of Total Water Rights
10	(h) Watermaster administration costs
11	(i) Water spread or imported into the Basin
12	(j) Water Augmentation Projects
13	(k) Whether the Administrative Body has become aware of the
14	development of a Material Physical Harm, or imminent threat of the
15	development of a Material Physical Harm, as required pursuant to
16	Section IV(B) of this Judgment
17	(l) Other matters as agreed with the Water Rights Panel
18	(m) Recommendations, if any.
19	In consultation with the Water Rights Panel, the Administrative Body shall
20	provide reasonable notice to all parties of all material actions or determinations by
21	Watermaster or any constituent body thereof, and as otherwise provided by this
22	Third Amended Judgment.
23	(4) <u>Annual Budget and Appeal Procedure in Relation Thereto.</u>
24	By April 1 of each Administrative Year, the Administrative Body shall
25	prepare a proposed administrative budget for the subsequent year stating the
26	anticipated expense for performing the administrative functions specified in this
27	Judgment (the "Administrative Budget"). The Administrative Body shall mail a
28	copy of the proposed Administrative Budget to each of the Parties at least 60 days
<p style="text-align: center;">19</p> <p style="text-align: center;">THIRD AMENDED JUDGMENT</p>	

1	before the beginning of each Administrative Year. The Administrative Budget
2	mailed to the Parties shall provide sufficient detail in the Administrative Budget
3	to demonstrate a separation in accounting between the Administrative Budget and
4	WRD's Replenishment Assessment and operating budget. For the first
5	Administrative Year of operation under this Third Amended Judgment, if the
6	Administrative Body is unable to meet the above time requirement, the
7	Administrative Body shall mail said copies as soon as possible. The first year the
8	Administrative Budget is prepared, the amount of that budget shall not exceed an
9	amount equal to fifty percent (50%) of the 2012-2013 charge for Watermaster
10	service for the Central Basin collected from Parties by the California Department
11	of Water Resources. At all times, the Administrative Body shall maintain a
12	separation in accounting between the Administrative Budget and WRD's
13	Replenishment Assessment and operating budget. All increases in future budgets
14	for the Administrative Body above the amount set forth above shall be subject to
15	approval by the Water Rights Panel following a public meeting to be held prior to
16	the beginning of the Administrative Year, provided that the approved budget shall
17	not be less than the amount of the first-year budget for the Administrative Body,
18	except upon further order of the Court. Any administrative function by WRD
19	already paid for by the Replenishment Assessment shall not be added as an
20	expense in the Administrative Budget. Similarly, any expense paid for by the
21	Administrative Budget shall not be added to WRD's operating budget, or
22	otherwise added to the calculation of the Replenishment Assessment. While WRD
23	may approve the proposed Administrative Budget at the same meeting in which
24	WRD adopts its annual Replenishment Assessment or annual budget, the
25	Administrative Body's budget shall be separate and distinct from the
26	Replenishment Assessment imposed pursuant to Water Code §60317 and WRD's
27	operating budget.
28	If approval by the Water Rights Panel is required pursuant to the
<p style="text-align: center;">20</p> <p style="text-align: center;">THIRD AMENDED JUDGMENT</p>	

1	foregoing, the Water Rights Panel shall act upon the proposed budget within 15
2	calendar days after the public meeting. If the Water Rights Panel does not
3	approve the budget prior to such deadline, the matter may be appealed to the
4	Court within sixty (60) days. If any Party hereto has any objection to the
5	Administrative Budget, it shall present the same in writing to Watermaster within
6	15 days after the date of mailing of said tentative budget by the Administrative
7	Body. The Parties shall make the payments otherwise required of them to the
8	Administrative Body even though an appeal of such budget may be pending.
9	Upon any revision by the Court, the Administrative Body shall either remit to the
10	Parties their pro rata portions of any reduction in the budget, or shall credit their
11	accounts with respect to their budget assessments for the next ensuing
12	Administrative Year, as the Court shall direct.
13	The amount of the Administrative Budget to be assessed to each party
14	shall be determined as follows: If that portion of the final budget to be assessed to
15	the Parties is equal to or less than \$20.00 per party then the cost shall be equally
16	apportioned among the Parties. If that portion of the final budget to be assessed to
17	Parties is greater than \$20.00 per party then each Party shall be assessed a
18	minimum of \$20.00. The amount of revenue expected to be received through the
19	foregoing minimum assessments shall be deducted from that portion of the final
20	budget to be assessed to the Parties and the balance shall be assessed to the Parties
21	having Allowed Pumping Allocation, such balance being divided among them
22	proportionately in accordance with their respective Allowed Pumping Allocation.
23	Payment of the assessment provided for herein, subject to adjustment by
24	the Court as provided, shall be made by each such party prior to beginning of the
25	Administrative Year to which the assessment relates, or within 40 days after the
26	mailing of the tentative budget, whichever is later. If such payment by any Party
27	is not made on or before said date, the Administrative Body shall add a penalty of
28	5% thereof to such party's statement. Payment required of any Party hereunder
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1	may be enforced by execution issued out of the Court, or as may be provided by
2	order hereinafter made by the Court, or by other proceedings by the Watermaster
3	or by any Party on the Watermaster's behalf.
4	Any money unexpended at the end of any Administrative Year shall be
5	applied to the budget of the next succeeding Administrative Year. The
6	Administrative Body shall maintain no reserves.
7	Notwithstanding the above, no part of the budget of the Administrative
8	Body shall be assessed to WRD or to any Party who has not extracted water from
9	Central Basin for a period of two successive Administrative Years prior to the
10	Administrative Year in which the tentative budget should be mailed by the
11	Administrative Body under the provisions of this subparagraph (4).
12	(5) <u>Rules.</u>
13	The Administrative Body may adopt, and amend from time to time, rules
14	consistent with this Judgment as may be reasonably necessary to carry out duties
15	under the provisions of this Judgment within its particular area of responsibility.
16	The Body shall adopt its first set of rules and procedures within three (3) months
17	following entry of this Third Amended Judgment. The rules shall be effective on
18	such date after the mailing thereof to the Parties as is specified by the Body, but
19	not sooner than thirty (30) days after such mailing.
20	B. <u>The Central Basin Water Rights Panel.</u>
21	The Central Basin Water Rights Panel of the Central Basin Watermaster ("Water Rights
22	Panel") shall consist of seven (7) members, each of which is a Party. The term of each member
23	of the Panel, with the exception of the seat held by the Small Water Producers Group, as
24	provided herein, shall be limited to four years. The Court will make the initial appointments to
25	the Central Basin Water Rights Panel upon motion by Parties consistent with the categories set
26	forth below at or about the time of entry of this Third Amended Judgment, and shall establish a
27	procedure for the staggered terms of such members. Thereafter, elections of members of the
28	Panel shall be held as provided herein. One (1) such member of the Water Rights Panel shall be
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1	elected by vote of the Small Water Producers Group conducted in accordance with its own
2	procedures, provided such Group, as of the date of the election, consists of at least five (5)
3	members who are Water Purveyors. One (1) such member of the Water Rights Panel shall be
4	elected by vote of Parties with Allowed Pumping Allocation of less than 5,000 acre-feet who are
5	not members of the Small Water Producers Group or, if the Small Water Producers Group does
6	not then qualify following a continuous six-month period of non-qualification as provided
7	herein, then two (2) such members shall be so selected. One (1) such member of the Water
8	Rights Panel shall be elected by vote of Parties with Allowed Pumping Allocation of at least
9	5,000 acre-feet but less than 10,000 acre-feet. Three (3) such members of the Water Rights
10	Panel shall be elected by vote of Parties with Allowed Pumping Allocation of 10,000 acre-feet or
11	greater. One (1) such member of the Water Rights Panel shall be elected by a vote of all holders
12	of Allowed Pumping Allocations, with each such holder being entitled to one vote, such member
13	to be elected by a plurality of the votes cast, following a nomination procedure to be established
14	in the Water Rights Panel's rules. In the event of a tie, the seventh member shall be determined
15	as may be provided in the Water Rights Panel's rules, or otherwise by the court. Except as
16	otherwise provided in this Section, each such rights holder shall have the right to cast a total
17	number of votes equal to the number of acre-feet of its Allowed Pumping Allocation (rounded to
18	the next highest whole number). With the exception of voting for the seventh member, Parties
19	shall be entitled to vote only for candidates within the category(ies) that represent that Party's
20	Allowed Pumping Allocation. For example, parties who are members of the Small Water
21	Producers Group are entitled to vote only for the Small Water Producer Group member and the
22	seventh member of the Water Rights Panel, and so on. Parties are not permitted to split votes.
23	The results of such election shall be reported to the Court for confirmation of each member's
24	appointment to the Water Rights Panel of Watermaster. The elected members of the Water
25	Rights Panel shall be those candidates receiving the highest vote total in their respective
26	categories. The Water Rights Panel shall hold its first meeting within thirty (30) days of the date
27	this Third Amended Judgment becomes final. The Water Rights Panel shall develop rules for its
28	operation consistent with this Judgment. The Water Rights Panel shall take action, including the

election of its Chair, by majority vote of its members. Election of the Chair shall occur every two years, with no Party serving as Chair for consecutive terms. Members of the Water Rights Panel shall serve without compensation. All references to Annual Pumping Allocation, as used herein, are as determined by the last published Watermaster report.

(1) The Water Rights Panel shall have the following duties and responsibilities:

(a) Enforcement of Adjudicated Rights. As against the other bodies of Watermaster, the Water Rights Panel shall have exclusive authority to move the Court to take such action as may be necessary to enforce the terms of the Judgment with regard to the extraction of Allowed Pumping Allocation and the maintenance of adjudicated groundwater extraction rights as provided in this Judgment.

(b) Requirement of Measuring Devices. The Water Rights Panel shall require all parties owning or operating any facilities for the extraction of groundwater from Central Basin to install and maintain at all times in good working order at such party's own expense, appropriate measuring devices at such times and as often as may be reasonable under the circumstances and to calibrate or test such devices.

(c) Inspections by Watermaster. The Water Rights Panel may make inspections of groundwater production facilities, including aquifer storage and recovery facilities, and measuring devices at such times and as often as may be reasonable under the circumstances and to calibrate or test such devices.

(d) Reports. Annually, the Water Rights Panel, in cooperation with the Administrative Body, shall report to the Court, concerning any or all of the following:

1	(ii) Exchange Pool operation	Water Rights Panel may engage its own staff if required in its reasonable
2	(iii) Status of the Regional Disadvantaged	judgment. Assessments will constitute a lien on the water right assessed,
3	Community Incentive Program, if approved by the Court	enforceable as provided in this Judgment.
4	(iv) Violations of this Judgment and corrective	
5	action taken or sought	
6	(v) Change of ownership of Total Water Rights	(3) <u>Rules</u> . The Water Rights Panel may adopt and amend from time to
7	(vi) Assessments made by the Water Rights	time, at an open meeting of that Panel, rules consistent with this Judgment as may
8	Panel and any costs incurred	be reasonably necessary to carry out duties under the provisions of this Judgment
9	(vii) Whether the Water Rights Panel has become	within its particular area of responsibility. The Panel shall adopt its first set of
10	aware of the development of a Material Physical Harm, or	rules and procedures within three (3) months following entry of this Third
11	imminent threat of the development of a Material Physical	Amended Judgment. The rules shall be effective on such date after the mailing
12	Harm, as required pursuant to Section IV(B) of this	thereof to the Parties as is specified by the Panel, but not sooner than thirty (30)
13	Judgment	days after such mailing.
14	(viii) Recommendations, if any.	C. <u>The Storage Panel</u> .
15	As provided in Section IIA(3), the Water Rights Panel may adopt the	The Storage Panel of the Central Basin Watermaster ("Storage Panel") shall be a
16	annual report prepared by the Administrative Body, and submit the same to the	bicameral body consisting of (i) the Water Rights Panel and (ii) the Board of Directors of
17	Court, or the Water Rights Panel may prepare, adopt and submit to the Court a	WRD. Action by the Storage Panel shall require separate action by a majority of each of
18	separate report. The Chair of the Water Rights Panel shall be responsible for	its constituent bodies. The Storage Panel shall have the duties and responsibilities
19	reporting to the Court concerning adjudicated water rights issues in the Basin.	specified with regard to the Provisions for the Storage and Extraction of Stored
20	(2) <u>Assessment</u> . The Water Rights Panel shall assess holders of water	Groundwater as set forth in Part IV and the other provisions of this Judgment.
21	rights within the Central Basin an annual amount not to exceed \$1.00 per acre-	D. <u>Use of Facilities and Data Collected by Other Governmental Agencies</u> .
22	foot of Allowed Pumping Allocation, by majority vote of the members of the	Where practicable, the three bodies constituting the Central Basin Watermaster
23	Water Rights Panel. The body may assess a higher amount, subject to being	should not duplicate the collection of data relative to conditions of the Central Basin
24	overruled by Majority Protest. The assessment is intended to cover any costs	which is then being collected by one or more governmental agencies, but where
25	associated with reporting responsibilities, any Judgment enforcement action, and	necessary each such body may collect supplemental data. Where it appears more
26	the review of storage projects as a component of the "Storage Panel" as provided	economical to do so, the Watermaster and its constituent bodies are directed to use such
27	below. It is anticipated that this body will rely on the Administrative Body's staff	facilities of other governmental agencies as are available to it under either no cost or cost
28	for the functions related to the Administrative Body's responsibilities, but the	agreements with respect to the receipt of reports, billings to parties, mailings to parties,
		and similar matters.
		E. <u>Appeal from Watermaster Decisions</u> .

1	Appeals concerning the budget proposed by the Administrative Body shall be
2	governed by Section II(A)(4) of this Judgment. Appeals concerning decisions by the
3	Storage Panel shall be governed by Section IV(P) of this Judgment. With respect to all
4	other objections by a Party to any action or decision by the Watermaster, such objections
5	will be governed by this Section II(E). Any party interested therein who objects to any
6	rule, determination, order or finding made by the Watermaster or any constituent body
7	thereof, may object thereto in writing delivered to the Administrative Body within 30
8	days after the date the Watermaster, or any constituent body thereof, mails written notice
9	of the making of such rule, determination, order or finding. Within 30 days after such
10	delivery the Watermaster, or the affected constituent body thereof, shall consider said
11	objection and shall amend or affirm his rule, determination, order or finding and shall
12	give notice thereof to all parties. Any such party may file with the Court within 60 days
13	from the date of said notice any objection to such rule, determination, order or finding of
14	the Watermaster, or any constituent body thereof, and bring the same on for hearing
15	before the Court at such time as the Court may direct, after first having served said
16	objection upon all other parties. The Court may affirm, modify, amend or overrule any
17	such rule, determination, order or finding of the Watermaster or its affected constituent
18	body. Any objection under this paragraph shall not stay the rule, determination, order or
19	finding of the Watermaster. However, the Court, by <i>ex parte</i> order, may provide for a
20	stay thereof on application of any interested party on or after the date that any such party
21	delivers to the Watermaster any written objection.
22	F. <u>Effect of Non-Compliance by Watermaster With Time Provisions.</u>
23	Failure of the Watermaster to perform any duty, power or responsibility set forth
24	in this Judgment within the time limitation herein set forth shall not deprive the
25	Watermaster or its applicable constituent body of authority to subsequently discharge
26	such duty, power or responsibility, except to the extent that any such failure by the
27	Watermaster may have rendered some otherwise required act by a party impossible.
28	G. <u>Limitations on Administrative Body.</u>

1	WRD shall not acquire Central Basin water rights, nor lease Central Basin water
2	or water rights to or from any Party or third party. However, the foregoing shall (i) not be
3	interpreted to restrict WRD's ability or authority to acquire water from any source for
4	purposes of Artificial or Natural Replenishment or for water quality activities, and (ii)
5	not restrict WRD's authority under California Water Code Section 60000 et seq. to
6	develop reclaimed, recycled or remediated water for groundwater replenishment
7	activities.
8	H. <u>Regional Disadvantaged Communities Incentive Program.</u>
9	The Water Rights Panel, acting through the General Manager of WRD, shall
10	develop a Regional Disadvantaged Communities Incentive Program, pursuant to which a
11	portion of the Community Storage Pool is reserved for the benefit of Disadvantaged
12	Communities within the Central Basin. Nothing in this Judgment, nor the establishment
13	of such a program, shall diminish the rights otherwise granted to Parties under this
14	Judgment, including but not limited to the right to place water in storage in the
15	Community Storage Pool. The Water Rights Panel shall meet within thirty (30) days of
16	its formation to identify and consider potential third-party independent consultants who
17	may be retained to design the program, including those recommended by the General
18	Manager of WRD. The Water Rights Panel shall select a consultant within thirty (30)
19	days thereafter. In the event the General Manager of WRD objects to the selected
20	consultant, in writing, then the Water Rights Panel and the General Manager of WRD
21	shall exchange a list of no more than two (2) consultants each for further consideration.
22	If the Water Rights Panel and the General Manager of WRD are unable to agree to a
23	consultant within an additional thirty (30) days, then the Chair of the Water Rights Panel
24	shall file a request with the Court for an order appointing a consultant. Upon selection of
25	a third-party independent consultant, whether through the Water Rights Panel process or
26	the court process identified herein, the consultant shall design a detailed program and
27	deliver it to the Water Rights Panel within ninety (90) days of the consultant's retention.
28	All costs associated with design of the program shall be paid for out of the Water Rights

1	Panel's assessment, as provided in Section II.B(2). The Water Rights Panel shall present
2	the program to the Court for its review and approval within one year of entry of this
3	Third Amended Judgment. If approved by the Court, the Water Rights Panel, acting
4	through the General Manager of WRD, shall be responsible for administration of the
5	Regional Disadvantaged Communities Incentive Program, including insuring that any
6	funds generated through the program benefit Disadvantaged Communities. Any Storage
7	Project established pursuant to this Program shall have priority to use up to 23,000 acre-
8	feet of Available Storage within the Community Storage Pool, as further provided in
9	Section IV E(2). Watermaster shall report to the Court concerning such program as a
10	part of its annual report.
11	
12	<u>III. PROVISIONS FOR PHYSICAL SOLUTION TO MEET THE WATER</u>
13	<u>REQUIREMENTS IN CENTRAL BASIN.</u>
14	In order to provide flexibility to the injunction set forth in Part I of the Judgment, and to
15	assist in a physical solution to meet water requirements in Central Basin, the injunction so set
16	forth is subject to the following provisions.
17	A. <u>Carryover of Portion of Allowed Pumping Allocation.</u>
18	(1) <u>Amount of Carryover.</u>
19	Each party adjudged to have a Total Water Right or water rights and who,
20	during a particular Administrative Year, does not extract from Central Basin a
21	total quantity equal to such party's Allowed Pumping Allocation for the particular
22	Administrative Year, less any allocated subscriptions by such party to the
23	Exchange Pool, or plus any allocated requests by such party for purchase of
24	Exchange Pool water, is permitted to carry over (the "One Year Carryover") from
25	such Administrative Year the right to extract from Central Basin in the next
26	succeeding Administrative Year so much of said total quantity as it did not extract
27	in the particular Administrative Year, not to exceed (i) the Applicable Percentage
28	of such party's Allowed Pumping Allocation for the particular Administrative
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1	Year, or 20 acre-feet, whichever of said percentage or 20 acre-feet is the larger,
2	less (ii) the total quantity of water then held in that party's combined Individual
3	and Community Storage accounts, as hereinafter defined, but in no event less than
4	20% of the party's Allowed Pumping Allocation for the particular Administrative
5	Year. For purposes of this Section, the "Applicable Percentage" shall be as
6	follows for the years indicated:
7	
8	For the Administrative Year in which this
9	Third Amended Judgment becomes final: 30%
10	For the next Administrative Year: 40%
11	For the next Administrative Year: 50%
12	For the next Administrative Year and years
13	following:
14	(2) <u>Conversion of Carryover to Stored Water.</u>
15	A party having Carryover may, from time to time, elect to convert all or
16	part of such party's Carryover to Stored Water as authorized herein ("Carryover
17	Conversion") upon payment of the Replenishment Assessment to WRD. Such
18	Stored Water shall be assigned to that party's Individual Storage Allocation, if
19	available, and otherwise to the Community Storage Pool.
20	(3) <u>Declared Water Emergency.</u>
21	The Board of Directors of WRD may, from time to time, declare a water
22	emergency upon a determination that conditions within the Central Basin relating
23	to natural and imported water supplies are such that, without implementation of
24	the Declared Water Emergency provisions of this subsection, the water resources
25	of the Central Basin risk degradation. In making such declaration, the Board of
26	Directors shall consider any information and requests provided by water
27	producers, purveyors and other affected entities and shall, for that purpose, hold a
28	public hearing in advance of such declaration. A Declared Water Emergency
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1	shall extend to the end of the Administrative Year during which such resolution is
2	adopted, unless sooner ended by similar resolution.
3	(4) <u>Drought Carryover.</u>
4	Following the declaration of a Declared Water Emergency and until the
5	Declared Water Emergency ends either by expiration or by resolution of the
6	Board of Directors of WRD, each party adjudged to have a Total Water Right or
7	water rights and who, during a particular Administrative Year, does not extract
8	from Central Basin a total quantity equal to such party's Allowed Pumping
9	Allocation for the particular Administrative Year, less any allocated subscriptions
10	by such party to the Exchange Pool, or plus any allocated requests by such party
11	for purchase of Exchange Pool water, is permitted to carry over (the "Drought
12	Carryover") from such Administrative Year the right to extract from Central
13	Basin so much of said total quantity as it did not extract during the period of the
14	Declared Water Emergency, to the extent such quantity exceeds the One Year
15	Carryover, not to exceed an additional 35% of such party's Allowed Pumping
16	Allocation, or additional 35 acre feet, whichever of said 35% or 35 acre feet is the
17	larger, less the amount of such party's Stored Water. Carryover amounts shall
18	first be allocated to the One Year Carryover and any remaining carryover amount
19	for that year shall be allocated to the Drought Carryover.
20	(5) <u>Accumulated Drought Carryover.</u>
21	No further amounts shall be added to the Drought Carryover following the
22	end of the Declared Water Emergency, provided however that in the event
23	another Declared Water Emergency is declared, additional Drought Carryover
24	may be added, to the extent such additional Drought Carryover would not cause
25	the total Drought Carryover to exceed the limits set forth above. The Drought
26	Carryover shall be supplemental to and shall not affect any previous drought
27	carryover acquired by a party pursuant to previous order of the court.
28	B. <u>When Over-Extractions May be Permitted.</u>

1	(1) <u>Underestimation of Requirements for Water.</u>
2	Any party hereto without Stored Water, having an Allowed Pumping
3	Allocation, and not in violation of any provision of this Judgment may extract in
4	an Administrative Year an additional quantity of water not to exceed: (a) 20% of
5	such party's Allowed Pumping Allocation or 20 acre feet, whichever is greater,
6	and (b) any amount in addition thereto which may be approved in advance by the
7	Water Rights Panel of Watermaster.
8	(2) <u>Reductions in Allowed Pumping Allocations in Succeeding Years</u>
9	<u>to Compensate for Permissible Overextractions.</u>
10	Any such party's Allowed Pumping Allocation for the following
11	Administrative Year shall be reduced by the amount over-extracted pursuant to
12	paragraph 1 above, provided that if the Water Rights Panel determines that such
13	reduction in the party's Allowed Pumping Allocation in one Administrative Year
14	will impose upon such a party an unreasonable hardship, the said reduction in said
15	party's Allowed Pumping Allocation shall be prorated over a period of five (5)
16	Administrative Years succeeding that in which the excessive extractions by the
17	party occurred. Application for such relief to the Water Rights Panel must be
18	made not later than the 40th day after the end of the Administrative Year in which
19	such excessive pumping occurred. The Water Rights Panel shall grant such relief
20	if such over-extraction, or any portion thereof, occurred during a period of
21	Declared Water Emergency.
22	(3) <u>Reductions in Allowed Pumping Allocations for the Next</u>
23	<u>Succeeding Administrative Year to Compensate for Overpumping.</u>
24	Whenever, pursuant to Section III(B)(1), a party over-extracts in excess of
25	such party's Allowed Pumping Allocation plus that party's available One-Year
26	Carryover and any Stored Water held by that party, and such excess has not been
27	approved in advance by the Water Rights Panel, then such party's Allowed
28	Pumping Allocation for the following Administrative Year shall be reduced by an

1	amount equivalent to its total over-extractions in the particular Administrative
2	Year in which it occurred.
3	(4) <u>Reports of Certain Over-extractions to the Court.</u>
4	Whenever a party over-extracts in excess of 20% of such party's Allowed
5	Pumping Allocation for the particular Administrative Year plus that party's
6	available One-Year Carryover and any Stored Water held by that party, without
7	having obtained prior approval of the Water Rights Panel, such shall constitute a
8	violation of the Judgment and the Water Rights Panel shall make a written report
9	to the Court for such action as the Court may deem necessary. Such party shall be
10	subject to such injunctive and other processes and action as the Court might
11	otherwise take with regard to any other violation of such Judgment.
12	(5) <u>Effect of Over-extractions on Rights.</u>
13	Any party who over-extracts from Central Basin in any Administrative
14	Year shall not acquire any additional rights by reason of such over-extractions;
15	nor shall any required reductions in extractions during any subsequent years
16	reduce the Total Water Right or water rights of any party to the extent said over-
17	extractions are in compliance with paragraph 1 above.
18	(6) <u>Pumping Under Agreement With Plaintiff During Periods of</u>
19	<u>Emergency.</u>
20	Plaintiff WRD overties Central Basin and engages in activities of
21	replenishing the groundwaters thereof. Plaintiff by resolution has appropriated
22	for use during emergencies the quantity of 17,000 acre feet of imported and
23	reclaimed water replenished by it into Central Basin, and pursuant to such
24	resolution Plaintiff reserves the right to use or cause the use of such quantity
25	during such emergency periods for the benefit of Water Purveyors.
26	(a) Notwithstanding any other provision of this Judgment,
27	parties who are Water Purveyors (including successors in interest) are
28	authorized to enter into agreements with Plaintiff for extraction of a
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1	portion of Plaintiff's 17,000 acre-feet of appropriated water, in excess
2	of their respective Allowed Pumping Allocations for the particular
3	Administrative Year when the following conditions are met:
4	(i) Plaintiff is in receipt of a resolution of the
5	Board of Directors of the Metropolitan Water District of
6	Southern California ("MWD") that there is an actual or
7	immediately threatened temporary shortage of MWD's
8	imported water supply compared to MWD's needs, or a
9	temporary inability to deliver MWD's imported water
10	supply throughout its area, which will be alleviated by
11	overpumping from Central Basin.
12	(ii) The Board of Directors of both Plaintiff and
13	Central Basin Municipal Water District by resolutions
14	concur in the resolution of MWD's Board of Directors, and
15	the Board of Directors of Plaintiff finds in its resolution
16	that the average minimum elevation of water surface
17	among those wells in the Montebello Forebay of the
18	Central Basin designated as Los Angeles County Flood
19	Control District Wells Nos. 1601T, 1564P, 1615P, and
20	1626L, is at least 43.7 feet above sea level. This
21	computation shall be based upon the most recent "static
22	readings" taken, which shall have been taken not more than
23	four weeks prior. Should any of the wells designated above
24	become destroyed or otherwise be in a condition so that
25	readings cannot be made, or should the owner prevent their
26	use for such readings, the Board of Directors of the
27	Plaintiff may, upon appropriate engineering
28	recommendation, substitute such other well or wells as it
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1	may deem appropriate.
2	(iii) In said resolution, Plaintiff's Board of
3	Directors sets a public hearing, and notice of the time, place
4	and date thereof (which may be continued from time to
5	time without further notice) is given by First Class Mail to
6	the current designees of the Parties, filed and served in
7	accordance with Section VI(C) of this Judgment. Said
8	notice shall be mailed at least five (5) days before the
9	scheduled hearing date.
10	(iv) At said public hearing, parties (including
11	successors in interest) are given full opportunity to be
12	heard, and at the conclusion thereof the Board of Directors
13	of Plaintiff by resolution decides to proceed with
14	agreements under this Section III(B)(6).
15	(b) All such agreements shall be subject to the following
16	requirements, and such others as Plaintiff's Board of Directors shall
17	require:
18	(i) They shall be of uniform content except as
19	to quantity involved, and any special provisions considered
20	necessary or desirable with respect to local hydrological
21	conditions or good hydrologic practice.
22	(ii) They shall be offered to all Water
23	Purveyors, excepting those which Plaintiff's Board of
24	Directors determines should not overpump because such
25	overpumping would occur in undesirable proximity to a sea
26	water barrier project designed to forestall sea water
27	intrusion, or within or in undesirable proximity to an area
28	within Central Basin wherein groundwater levels are at an
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1	elevation where overpumping is under all the
2	circumstances then undesirable.
3	(iii) The maximum terms for the agreements
4	shall be four (4) months, which agreements shall
5	commence on the same date and end on the same date (and
6	which may be executed at any time within the four-month
7	period), unless an extension thereof is authorized by the
8	Court, under Part V of this Judgment.
9	(iv) They shall contain provisions requiring that
10	the Water Purveyor executing the agreement pay to the
11	Plaintiff a price in addition to the applicable replenishment
12	assessment determined on the following formula. The
13	normal price per acre-foot of Central Basin Municipal
14	Water District's (CBMWD) treated domestic and municipal
15	water, as "normal" price of such category of water is
16	defined in Section III(C)(10) (price to be paid for Exchange
17	Pool Water) as of the beginning of the contract term less
18	the deductions set forth in said paragraph 10 for the
19	Administrative Year in which the contract term
20	commences. The agreement shall provide for adjustments
21	in the first of said components for any proportional period
22	of the contract term during which the CBMWD said normal
23	price is changed, and if the agreement straddles two
24	administrative years, the said deductions shall be adjusted
25	for any proportionate period of the contract term in which
26	the amount thereof or of either subcomponent changes for
27	purposes of said paragraph 10. Any price for a partial acre-
28	foot shall be computed pro rata. Payments shall be due and
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1	payable on the principle that over extractions under the
2	agreement are of the last water pumped in the
3	Administrative Year, and shall be payable as the agreement
4	shall provide.
5	(v) They shall contain provisions that: (1) All
6	of such agreements (but not less than all) shall be subject to
7	termination by Plaintiff if, in the Judgment of Plaintiff's
8	Board of Directors, the conditions or threatened conditions
9	upon which they were based have abated to the extent over
10	extractions are no longer considered necessary; and (2) that
11	any individual agreement or agreements may be terminated
12	if the Plaintiff's Board of Directors finds that adverse
13	hydrologic circumstances have developed as a result of
14	over extractions by any Water Purveyor(s) which have
15	executed said agreements, or for any other reason that
16	Plaintiff's Board of Directors finds good and sufficient.
17	(c) Other matters applicable to such agreements and
18	overpumping thereunder are as follows, without need for express
19	provisions in the agreements;
20	(i) The quantity of overpumping permitted shall
21	be additional to that which the Water Purveyor could
22	otherwise overpump under this Judgment.
23	(ii) The total quantity of permitted overpumping
24	under all said agreements during said four months shall not
25	exceed seventeen thousand (17,000) acre feet, but the
26	individual Water Purveyor shall not be responsible or
27	affected by any violation of this requirement. That total is
28	additional to over extractions otherwise permitted under
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1	this Judgment.
2	(iii) Only one four month period may be utilized
3	by Plaintiff in entering into such agreements, as to any one
4	emergency or continuation thereof declared by MWD's
5	Board of Directors under Section III(B)(6)(a).
6	(iv) If any party claims it is being damaged or
7	threatened with damage by the over extractions by any
8	party to such an agreement, the first party or the Water
9	Rights Panel may seek appropriate action of the Court for
10	termination of any such agreement upon notice of hearing
11	to the party complaining, to the party to said agreement, to
12	the plaintiff, and to any parties who have filed a request for
13	special notice. Any termination shall not affect the
14	obligation of the party to make payments under the
15	agreement for over extractions which did occur thereunder.
16	(v) Plaintiff shall maintain separate accounting
17	of the proceeds from payments made pursuant to
18	agreements entered into under this Part. Said fund shall be
19	utilized solely for purposes of replenishment in
20	replacement of waters in Central Basin and West Basin.
21	Plaintiff shall as soon as practicable cause replenishment in
22	Central Basin by the amounts to be overproduced pursuant
23	to this Paragraph 6, whether through spreading, injection,
24	or in lieu agreements.
25	(vi) Over extractions pursuant to the agreements
26	shall not be subject to the "make up" provisions of the
27	Judgment as amended, provided that if any party fails to
28	make payments as required by the agreement, Plaintiff may
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1	require such “make up” under Section III(B)(3) of this
2	Judgment.
3	(vii) A Water Purveyor under any such
4	agreement may, and is encouraged to enter into appropriate
5	arrangements with customers who have water rights in
6	Central Basin under or pursuant to this Judgment whereby
7	the Water Purveyor will be assisted in meeting the
8	objectives of the agreement.
9	(7) <u>Exemption for Extractors of Contaminated Groundwater.</u>
10	Any party herein may petition WRD for a Non-consumptive Water Use
11	Permit as part of a project to remedy or ameliorate groundwater contamination. If
12	the petition is granted as set forth in this paragraph, the petitioner may extract the
13	groundwater as permitted hereinafter, without the production counting against the
14	petitioner’s production rights.
15	(a) If the Board of WRD determines by Resolution that there is
16	a problem of groundwater contamination that a proposed program will
17	remedy or ameliorate, an operator may make extractions of
18	groundwater to remedy or ameliorate that problem without the
19	production counting against the petitioner’s production rights if the
20	water is not applied to beneficial surface use, its extractions are made
21	in compliance with all the terms and conditions of the Board
22	Resolution, and the Board has determined in the Resolution either of
23	the following:
24	(i) The groundwater to be extracted is unusable and
25	cannot be economically treated or blended for use with
26	other water.
27	(ii) The proposed program involves extraction of usable
28	water in the same quantity as will be returned to the
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1	underground without degradation of quality.
2	(b) The Resolution may provide those terms and conditions the
3	Board deems appropriate, including, but not limited to, restrictions on
4	the quantity of the extractions to be so exempted, limitations on time,
5	periodic reviews, requirement of submission of test results from a
6	Board-approved laboratory, and any other relevant terms or conditions.
7	(c) Upon written notice to the operator involved, the Board
8	may rescind or modify its Resolution. The rescission or modification
9	of the Resolution shall apply to groundwater extractions occurring
10	more than ten (10) days after the rescission or modification. Notice of
11	rescission or modification shall be either mailed first class mail,
12	postage prepaid, at least two weeks prior to the meeting of the Board at
13	which the rescission or modification will be made to the address of
14	record of the operator or personally delivered two weeks prior to the
15	meeting.
16	(d) The Board’s decision to grant, deny, modify or revoke a
17	permit or to interrupt or stop a permitted project may be appealed to
18	this court within thirty days of the notice thereof to the applicant and
19	upon thirty days’ notice to the designees of all parties herein.
20	(e) WRD shall monitor and periodically inspect the project for
21	compliance with the terms and conditions for any permit issued
22	pursuant to these provisions.
23	(f) No party shall recover costs from any other party herein in
24	connection with determinations made with respect to this Part.
25	(8) <u>“Call” on Carryover Converted to Stored Water.</u>
26	Where any Party has elected, as permitted by Section III(A)(2), to convert
27	Carryover to Stored Water, any other Party which has not, within the previous ten
28	(10) years, been granted approval to extract Carryover Conversion under this
<p style="text-align: center;">40</p> <p style="text-align: center;">THIRD AMENDED JUDGMENT</p>	

1	Section III(B)(8) more than five (5) times, may apply to the Storage Panel for the
2	right to extract all or a portion of that Carryover Conversion in the year such
3	Conversion occurs. The Storage Panel shall grant such request, providing there is
4	no Material Physical Harm, if it determines that leased groundwater to meet the
5	applicant's needs within the Basin cannot be obtained for less than forty-five
6	percent (45%) of MWD's Imported Water rate for delivery of untreated water to
7	the Central Basin spreading facilities (which rate is presently MWD's "Full
8	Service Untreated Volumetric Cost, Tier 1"), and that the applicant will fully
9	extract its Allowed Pumping Allocation, Carryover, and Stored Water, if any, in
10	addition to its permitted overextraction under Section III(B)(1), prior to accessing
11	such Carryover Conversion.
12	Upon such approval, the applicant may thereafter extract such water as
13	provided herein. A Party so extracting groundwater shall fully restore such
14	extracted water (either through under-extraction of its rights or through importing
15	water) during the five-year period following the Year in which the extraction
16	under this Section occurs. Otherwise, the extracting Party shall pay to the
17	Watermaster an amount equal to 100% of MWD's Imported Water rate for
18	purchase and delivery of untreated water to the Central Basin spreading facilities
19	(which rate is presently MWD's "Full Service Untreated Volumetric Cost, Tier
20	1") whether or not such water is available that year, for the year during which is
21	the fifth anniversary of the year during which such Carryover Conversion
22	extraction occurs, multiplied by the amount of Carryover Conversion so extracted
23	and not restored during such five-year period. Payment shall be made within
24	thirty (30) days of demand by Watermaster. No Replenishment Assessment shall
25	be due on Carryover Conversion so extracted. However, the Party must deposit
26	with the Watermaster an amount equal to the Replenishment Assessment that
27	would otherwise be imposed by WRD upon such extraction. If the party restores
28	the water within the 5-year repayment period, then the Watermaster shall
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1	promptly return the deposit to the Party, without interest. If the Party does not
2	restore the water within the 5-year repayment period, the deposit shall be credited
3	towards the Party's obligation to pay 100% of MWD's Imported Water rate as
4	required herein.
5	Should there be multiple requests to so extract Carryover Conversion in
6	the same year, the Storage Panel shall allocate such extraction right such that each
7	requesting party may extract a pro rata portion of the available Carryover
8	Conversion for that year. No party may extract in excess of 2,500 acre feet of
9	groundwater pursuant to this Section III(B)(8) in a single Year. Amounts paid to
10	Watermaster hereunder shall be used by WRD solely for purchase of water for
11	replenishment in the Basin. Watermaster, through the Storage Panel, shall give
12	reasonable notice to the Parties of any application to so extract Carryover
13	Conversion in such manner as the Storage Panel shall determine, including,
14	without limitation, notice by electronic mail or by website posting, at least ten
15	(10) days prior to consideration of any such application.
16	C. <u>Exchange Pool Provisions.</u>
17	(1) <u>Definitions.</u>
18	For purposes of these Exchange Pool provisions, the following words and
19	terms have the following meanings:
20	(a) "Exchange Pool" is the arrangement hereinafter set forth
21	whereby certain of the parties, ("Exchangers") may, notwithstanding
22	the other provisions of the Judgment, extract additional water from
23	Central Basin to meet their needs, and certain other of the parties
24	("Exchangers"), reduce their extractions below their Allowed Pumping
25	Allocations in order to permit such additional extractions by others.
26	(b) "Exchangor" is one who offers, voluntarily or otherwise,
27	pursuant to subsequent provisions, to reduce its extractions below its
28	Allowed Pumping Allocation in order to permit such additional
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1	extractions by others.
2	(c) "Exchange" is one who requests permission to extract
3	additional water from Central Basin.
4	(d) "Undue hardship" means unusual and severe economic or
5	operational hardship, other than that arising (i) by reason of any
6	differential in quality that might exist between water extracted from
7	Central Basin and water available for importation or (ii) by reason of
8	any difference in cost to a party in subscribing to the Exchange Pool
9	and reducing its extractions of water from Central Basin in an
10	equivalent amount as opposed to extracting any such quantity itself.
11	(2) <u>Parties Who May Purchase Water Through the Exchange Pool.</u>
12	Any party not having existing facilities for the taking of imported water as
13	of the beginning of any Administrative Year, and any party having such facilities
14	as of the beginning of any Administrative Year who is unable, without undue
15	hardship, to obtain, take, and put to beneficial use, through its distribution system
16	or systems existing as of the beginning of the particular Administrative Year,
17	imported water in a quantity which, when added to its Allowed Pumping
18	Allocation for that particular Administrative Year, will meet its estimated needs
19	for that particular Administrative Year, may purchase water from the Exchange
20	Pool, subject to the limitations contained in this Section III(C) (Subpart "C"
21	hereinafter).
22	(3) <u>Procedure for Purchasing Exchange Pool Water.</u>
23	Not later than the 40th day following the commencement of each
24	Administrative Year, each such party desiring to purchase water from the
25	Exchange Pool shall file with the Watermaster a request to so purchase, setting
26	forth the amount of water in acre feet that such party estimates that it will require
27	during the then current Administrative Year in excess of the total of:
28	(a) Its Allowed Pumping Allocation for that particular

1	Administrative Year; and
2	(b) The imported water, if any, which it estimates it will be
3	able, without undue hardship, to obtain, take and put to beneficial use,
4	through its distribution system or systems existing as of the beginning
5	of that particular Administrative Year.
6	Any party who as of the beginning of any Administrative Year has
7	existing facilities for the taking of imported water and who makes a request to
8	purchase from the Exchange Pool must provide with such request substantiating
9	data and other proof which, together with any further data and other proof
10	requested by the Water Rights Panel, establishes that such party is unable without
11	undue hardship, to obtain, take and put to beneficial use through its said
12	distribution system or systems a sufficient quantity of imported water which,
13	when added to its said Allowed Pumping Allocation for the particular
14	Administrative Year, will meet its estimated needs. As to any such party, the
15	Water Rights Panel shall make a determination whether the party has so
16	established such inability, which determination shall be subject to review by the
17	court under the procedure set forth in Part II of this Judgment. Any party making
18	a request to purchase from the Exchange Pool shall either furnish such
19	substantiating data and other proof, or a statement that such party had no existing
20	facilities for the taking of imported water as of the beginning of that
21	Administrative Year, and in either event a statement of the basis for the quantity
22	requested to be purchased.
23	(4) <u>Subscriptions to Exchange Pool.</u>
24	(a) <u>Required Subscription.</u> Each party having existing
25	facilities for the taking of imported water as of the beginning of any
26	Administrative Year hereby subscribed to the Exchange Pool for
27	purposes of meeting Category (a) requests thereon, as more
28	particularly defined in paragraph 5 of this Subpart C, twenty percent

1	(20%) of its Allowed Pumping Allocation, or the quantity of imported
2	water which it is able, without undue hardship, to obtain, take and put
3	to beneficial use through its distribution system or systems existing as
4	of the beginning of the particular Administrative Year in addition to
5	such party's own estimated needs for imported water during that
6	Administrative Year, whichever is the lesser. A party's subscription
7	under this subparagraph (a) and subparagraph (b) of this paragraph 4 is
8	sometimes hereinafter referred to as a "required subscription."
9	(b) <u>Report to Watermaster Water Rights Panel by Parties with</u>
10	<u>Connections and Unable to Subscribe 20%</u> . Any party having existing
11	facilities for the taking of imported water and estimating that it will be
12	unable, without undue hardship, in that Administrative Year to obtain,
13	take and put to beneficial use through its distribution system or
14	systems existing as of the beginning of that Administrative Year,
15	sufficient imported water to further reduce its extractions from the
16	Central Basin by twenty percent (20%) of its Allowed Pumping
17	Allocation for purposes of providing water to the Exchange Pool must
18	furnish not later than the 40th day following the commencement of
19	such Administrative Year substantiating data and other proof which,
20	together with any further data and other proof requested by the Water
21	Rights Panel, establishes said inability or such party shall be deemed
22	to have subscribed twenty percent (20%) of its Allowed Pumping
23	Allocation for the purpose of providing water to the Exchange Pool.
24	As to any such party so contending such inability, the Water Rights
25	Panel shall make a determination whether the party has so established
26	such inability, which determination shall be subject to review by the
27	Court under the procedure set forth in Part II of this Judgment.
28	(c) <u>Voluntary Subscriptions</u> . Any party, whether or not having

1	facilities for the taking of imported water, who desires to subscribe to
2	the Exchange Pool a quantity or further quantity of its Allowed
3	Pumping Allocation, may so notify the Water Rights Panel in writing
4	of the quantity of such offer on or prior to the 40th day following the
5	commencement of the particular Administrative Year. Such
6	subscriptions are referred to hereinafter as "voluntary subscriptions."
7	Any Exchanger who desires that any part of its otherwise required
8	subscription not needed to fill Category (a) requests shall be available
9	for Category (b) requests may so notify the Water Rights Panel in
10	writing on or prior to said 40th day. If all of that Exchanger's
11	otherwise required subscription is not needed in order to fill Category
12	(a) requests, the remainder of such required subscription not so used,
13	or such part thereof as such Exchanger may designate, shall be deemed
14	to be a voluntary subscription.
15	(5) <u>Limitations on Purchases of Exchange Pool Water and Allocation</u>
16	<u>of Requests to Purchase Exchange Pool Water Among Exchangers</u> .
17	(a) <u>Categories of Requests</u> . Two categories of Exchange Pool
18	requests are established as follows:
19	(i) <u>Category (a) requests</u> . The quantity requested by
20	each Exchangee, whether or not that Exchangee has an
21	Allowed Pumping Allocation, which quantity is not in
22	excess of 150% of its Allowed Pumping Allocation, if any,
23	or 100 acre feet, whichever is greater. Requests or portions
24	thereof within the above criteria are sometimes hereinafter
25	referred to as "Category (a) requests."
26	(ii) <u>Category (b) requests</u> . The quantity requested by
27	each Exchangee having an Allowed Pumping Allocation to
28	the extent the request is in excess of 150% of that Allowed

1	Pumping Allocation or 100 acre feet, <u>whichever is greater</u> ,
2	and the quantity requested by each Exchangee having no
3	Allowed Pumping Allocation to the extent the request is in
4	excess of 100 acre feet. Portions of requests within the
5	above criteria are sometimes hereinafter referred to as
6	“Category (b) requests.”
7	(b) <u>Filling of Category (a) Requests.</u> All Exchange Pool
8	subscriptions, required and voluntary, shall be available to fill
9	Category (a) requests. Category (a) requests shall be filled first from
10	voluntary subscriptions, and if voluntary subscriptions should be
11	insufficient to fill all Category (a) requests required subscriptions shall
12	be then utilized to fill Category (a) requests. All Category (a) requests
13	shall be first filled before any Category (b) requests are filled.
14	(c) <u>Filling of Category (b) Requests.</u> To the extent that
15	voluntary subscriptions have not been utilized in filling Category (a)
16	requests, Category (b) requests shall be filled only out of any
17	remaining voluntary subscriptions. Required subscriptions will then
18	be utilized for the filling of any remaining Category (b) requests.
19	(d) <u>Allocation of Requests to Subscriptions When Available</u>
20	<u>Subscriptions Exceed Requests.</u> In the event the quantity of
21	subscriptions available for any category of requests exceeds those
22	requests in that category, or exceeds the remainder of those requests in
23	that category, such requests shall be filled out of such subscriptions
24	proportionately in relation to the quantity of each subscription.
25	(e) <u>Allocation of Subscriptions to Category (b) Requests in the</u>
26	<u>Event of Shortage of Subscriptions.</u> In the event available
27	subscriptions are insufficient to meet Category (b) requests, available
28	subscriptions shall be allocated to each request in the proportion that

1	the particular request bears to the total requests of the particular
2	category.
3	(6) <u>Additional Voluntary Subscriptions.</u>
4	If subscriptions available to meet the requests of Exchangees are
5	insufficient to meet all requests, additional voluntary subscriptions may be
6	solicited and received from parties by the Water Rights Panel. Such additional
7	subscriptions shall be allocated first to Category (a) requests to the extent unfilled,
8	and next to Category (b) requests to the extent unfilled. All allocations are to be
9	otherwise in the same manner as earlier provided in paragraph 5 (a) through 5 (e)
10	inclusive.
11	(7) <u>Effect if Category (a) Requests Exceed Available Subscriptions.</u>
12	<u>Both Required and Voluntary.</u>
13	In the event that the quantity of subscriptions available to fill Category (a)
14	requests is less than the total quantity of such requests, the Exchangees may,
15	nonetheless, extract the full amount of their Category (a) requests otherwise
16	approved by the Water Rights Panel as if sufficient subscriptions were available.
17	The amounts received by the Water Rights Panel on account of that portion of the
18	approved requests in excess of the total quantities available from Exchangees
19	shall be paid by the Water Rights Panel to WRD in trust for the purpose of
20	purchasing imported water and spreading the same in Central Basin for
21	replenishment thereof. Thereafter WRD may, at any time, withdraw said funds or
22	any part thereof so credited in trust for the aforesaid purpose, or may by the 40th
23	day of any Administrative Year utilize all or any portion of said funds for the
24	purchase of water available from subscriptions by Exchangees in the event the
25	total quantity of such subscriptions exceeds the total quantity of approved
26	requests by parties to purchase Exchange Pool water. To the extent that there is
27	such an excess of available subscriptions over requests and to the extent that the
28	existing credit in favor of WRD is sufficient to purchase such excess quantity at

1	the price established for Exchange Pool purchases during that Administrative	1	scheduled during that Administrative Year in CBMWD's "normal" price for such
2	Year, the money shall be paid to the Exchangers in the same manner as if another	2	category of water, the weighted daily "normal" CBMWD price shall be
3	party had made such purchase as an Exchangee. WRD shall not extract any such	3	determined and used in lieu of the beginning such price; and there shall be
4	Exchange Pool water so purchased.	4	deducted from such beginning or weighted price, as the case may be, the
5	(8) <u>Additional Pumping by Exchanges Pursuant to Exchange Pool</u>	5	"incremental cost of pumping water in Central Basin" at the beginning of the
6	<u>Provisions.</u>	6	Administrative Year and any then current rate or rates, of assessments levied on
7	An Exchangee may extract from Central Basin in addition to its Allowed	7	the pumping of groundwater in Central Basin by Plaintiff District and any other
8	Pumping Allocation for a particular Administrative Year that quantity of water	8	governmental agency. The "normal" price charged by CBMWD shall be the
9	which it has requested to purchase from the Exchange Pool during that	9	highest price of CBMWD for normal service excluding any surcharge or higher
10	Administrative Year and which has been allocated to it pursuant to the provisions	10	rate for emergency deliveries or otherwise failing to comply with CBMWD rates
11	of paragraphs 5, 6 and 7. The first pumping by an Exchangee in any	11	and regulations relating to earlier deliveries. The "incremental cost of pumping
12	Administrative Year shall be deemed to be pumping of the party's allocation of	12	water in Central Basin" as of the beginning of the Administrative Year shall be
13	Exchange Pool water.	13	deemed to be the Southern California Edison Company Schedule No. PA-1 rate
14	(9) <u>Reduction in Pumping by Exchanges.</u>	14	per kilowatt-hour, including all adjustments and all uniform authorized additions
15	Each Exchangor shall in each Administrative Year reduce its extractions	15	to the basic rate, multiplied by 560 kilowatt-hours per acre-foot, rounded to the
16	of water from Central Basin below its Allowed Pumping Allocation for the	16	nearest dollar (which number of kilowatt-hours has been determined to represent
17	particular year in a quantity equal to the quantity of Exchange Pool requests	17	the average energy consumption to pump an acre-foot of water in Central Basin).
18	allocated to it pursuant to the provisions of paragraphs 4, 5, 6 and 7 of this	18	In applying said PA-1 rate the charge per kilowatt-hour under the schedule shall
19	Subpart C.	19	be employed and if there are any rate blocks then the last rate block shall be
20	(10) <u>Price to be Paid for Exchange Pool Water.</u>	20	employed. Should a change occur in Edison schedule designations, the Water
21	The price to be paid by Exchanges and to be paid to Exchangors per acre	21	Rights Panel shall employ that applicable to motors used for pumping water by
22	foot for required and voluntary subscriptions of Exchangors utilized to fill	22	municipal utilities.
23	requests on the Exchange Pool by Exchanges shall be the dollar amount	23	(11) <u>Carry-over of Exchange Pool Purchases by Exchanges.</u>
24	computed as follows by the Water Rights Panel for each Administrative Year.	24	An Exchangee who does not extract from Central Basin in a particular
25	The "normal" price as of the beginning of the Administrative Year charged by	25	Administrative Year a quantity of water equal to the total of (a) its Allowed
26	Central Basin Municipal Water District (CBMWD) for treated MWD	26	Pumping Allocation for that particular Administrative Year, reduced by any
27	(Metropolitan Water District of Southern California) water used for domestic and	27	authorized amount of carryover into the next succeeding Administrative Year
28	municipal purposes shall be determined, and if on that date there are any changes	28	pursuant to the provisions of Section III(A) of this Judgment, and (b) the quantity
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1	that it purchased from the Exchange Pool for that particular Administrative Year,
2	may carry over into the next succeeding Administrative Year the right to extract
3	from Central Basin a quantity equal to the difference between said total and the
4	quantity actually extracted in that Administrative Year, but not exceeding the
5	quantity purchased from the Exchange Pool for that Administrative Year. Any
6	such carryover shall be in addition to that provided in said Section III(A).
7	If the "Basinwide Average Exchange Pool Price" in the next succeeding
8	Administrative Year exceeds the "Exchange Pool Price" in the previous
9	Administrative Year any such Exchangee exercising such carryover rights
10	hereinabove provided shall pay to the Watermaster, forthwith upon the
11	determination of the "Exchange Pool Price" in said succeeding Administrative
12	Year, and as a condition to such carryover rights, an additional amount
13	determined by multiplying the number of acre feet of carryover by the difference
14	in "Exchange Pool Price" as between the two Administrative Years. Such
15	additional payment shall be miscellaneous income to the Watermaster which shall
16	be applied by it against that share of the Watermaster's Administrative Body's
17	budget to be paid by the parties to this Agreement for the second Administrative
18	Year succeeding that in which the Exchange Pool water was so purchased. For
19	purposes of this paragraph, the term Basinwide Average Exchange Pool Price
20	means the average price per acre foot paid for Exchange Pool water produced
21	within the Central Basin during the year for which such determination is to be
22	made, taking into account all Exchange Pool transactions consummated during
23	that year.
24	(12) <u>Notification by Watermaster to Exchangees and Exchangees of</u>
25	<u>Exchange Pool Requests and Allocations Thereof and Price of Exchange Pool</u>
26	<u>Water.</u>
27	Not later than the 65th day after the commencement of each
28	Administrative Year, the Administrative Body of Watermaster shall determine
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1	and notify all Exchangees and Exchangees of the total of the allocated requests for
2	Exchange Pool water and shall provide a schedule divided into categories of
3	requests showing the quantity allocated to each Exchangee and a schedule of the
4	allocation of the total Exchange Pool requirements among the Exchangees. Such
5	notification shall also advise Exchangees and Exchangees of the prices to be paid
6	to Exchangees for subscriptions utilized and the Exchange Pool Price for that
7	Administrative Year as determined by the Water Rights Panel. The
8	determinations of the Watermaster in this regard shall be subject to review by the
9	Court in accordance with the procedure set forth in Part II of this Judgment.
10	(13) <u>Payment by Exchangees.</u>
11	Each Exchangee shall, on or prior to last day of the third month of each
12	Administrative Year, pay to the Watermaster one-quarter of said price per acre-
13	foot multiplied by the number of acre feet of such party's approved request and
14	shall, on or before the last day of each of the next succeeding three months, pay a
15	like sum to the Watermaster. Such amounts must be paid by each Exchangee
16	regardless of whether or not it in fact extracts or uses any of the water it has
17	requested to purchase from the Exchange Pool.
18	(14) <u>Payments to Exchangees.</u>
19	As soon as possible after receipt of moneys from Exchangees, the
20	Watermaster shall remit to the Exchangees their pro rata portions of the amount so
21	received in accordance with the provisions of paragraph 10 above.
22	(15) <u>Delinquent Payments.</u>
23	Any amounts not paid on or prior to any due date above shall carry interest
24	at the rate of 1% per month or any part of a month. Any amounts required to be
25	so paid may be enforced by the equitable powers of the Court, including, but not
26	limited to, the injunctive process of the Court. In addition thereto, the
27	Watermaster, as Trustee for the Exchangees and acting through the Water Rights
28	Panel, may enforce such payment by any appropriate legal action, and shall be
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1 entitled to recover as additional damages reasonable attorneys' fees incurred in
2 connection therewith. If any Exchangee shall fail to make any payments required
3 of it on or before 30 days after the last payment is due, including any accrued
4 interest, said party shall thenceforward not be entitled to purchase water from the
5 Exchange Pool in any succeeding Administrative Year except upon order of the
6 Court, upon such conditions as the Court may impose.

7

8 IV. PROVISIONS FOR THE STORAGE OF WATER AND THE EXTRACTION
9 OF STORED WATER.

10 A. Adjudication of Available Dewatered Space, Storage Capacity and
11 Storage Apportionment

12 There exists within the Basin a substantial amount of available space which has
13 not been optimally utilized for basin management and for storage of native and imported
14 waters. The Court finds and determines that (i) there is 330,000 acre feet of Available
15 Dewatered Space in the Basin; (ii) use of this Available Dewatered Space will increase
16 reasonable and beneficial use of the Basin by permitting the more efficient procurement
17 and management of Replenishment Water, conjunctive use, and for direct and in-lieu
18 recharge, thereby increasing the prudent storage and recovery of Stored Water for later
19 use by parties to this Judgment, conservation of water and reliability of the water supply
20 available to all Parties; and (iii) use of the Available Dewatered Space pursuant to the
21 terms and conditions of this Judgment will not result in Material Physical Harm.

22 B. Avoidance of Material Physical Harm.

23 It is essential that the use of the Available Dewatered Space be undertaken for the
24 greatest public benefit pursuant to uniform, certain, and transparent regulation that
25 encourages the conservation of water and reliability of the water supply, avoids Material
26 Physical Harm, and promotes the reasonable and beneficial use of water. Accordingly,
27 in the event Watermaster becomes aware of the development of a Material Physical
28 Harm, or imminent threat of the development of a Material Physical Harm, relating to the

1 use of the Available Dewatered Space, Watermaster shall, within thirty (30) days
2 thereafter, notice a hearing before the Court and concurrently file a report with the Court,
3 served on all parties, which shall explain the relevant facts then known to Watermaster
4 relating to the Material Physical Harm, or imminent threat thereof, including without
5 limitation, the location of the occurrence, the source or cause, existing and potential
6 physical impacts or consequences of the identified or threatened material Physical Harm,
7 and any recommendations to remediate the identified or threatened Material Physical
8 Harm.

9 C. Apportionment of Available Dewatered Space.

10 To fairly balance the needs of the divergent interests of parties having water rights
11 in the Basin, on the one hand, and the replenishment functions of WRD on the other
12 hand, and in consideration of the shared desire and public purpose of removing
13 impediments to the voluntary conservation, storage, exchange and transfer of water, all
14 of the Available Dewatered Space is hereby adjudicated and apportioned into
15 complimentary classifications of Stored Water and a Basin Operating Reserve as set
16 forth in this Part IV. The apportionment contemplates flexible administration of storage
17 capacity where use is apportioned among competing needs, while allowing all Available
18 Dewatered Space to be used from time to time on a "space available" basis, subject to the
19 priorities specified in this Judgment, and as further defined in Section IV(I) of this
20 Judgment. The Court further finds and determines that, of the Available Dewatered
21 Space, there is 220,000 acre-feet of storage capacity in the Central Basin which is
22 presently available ("Adjudicated Storage Capacity"). The use of Adjudicated Storage
23 Capacity as provided in this Judgment will not adversely affect the efficient operation of
24 the Basin or the recharge of water necessary for the production of the parties' respective
25 Allowed Pumping Allocations. The apportionment of Adjudicated Storage Capacity as
26 provided herein will allow for flexible administration of groundwater storage within the
27 Basin. The Adjudicated Storage Capacity is hereby assigned to Individual Storage
28 Allocations and Community Storage as provided herein, provided however that if all

1	space in a particular classification is fully occupied then, on a “space available” basis, to
2	available space within the other classifications of Adjudicated Storage Capacity and,
3	only then, to available space within Basin Operating Reserve.
4	The Court further finds and determines that, out of the Available Dewatered
5	Space, there is 110,000 acre feet that should be set aside for use by WRD as a Basin
6	Operating Reserve, provided in Section IV(L), and subject to temporary occupancy by
7	Stored Water as permitted hereunder.
8	No storage of water shall occur in the Basin except in conformity with this
9	Judgment.
10	D. <u>Individual Storage Allocation.</u>
11	Each Party having an adjudicated groundwater extraction right hereunder shall
12	have a priority right to store water in an Individual Storage Account, through conversion
13	of Carryover to Stored Water as provided herein, or by any means authorized by this
14	Judgment, up to a maximum of 50% of such party’s Allowed Pumping Allocation. The
15	cumulative quantity of Adjudicated Storage Capacity subject to individual storage
16	allocation is 108,750 acre-feet. In recognition of prior importation of water which was
17	introduced into the Basin as Stored Water, and which has not yet been extracted, the
18	Court finds and determines that, as of the date of this Order, the following Parties have
19	occupied a portion of their respective Individual Storage Allocations and have all
20	associated rights therein, as follows:
21	City of Long Beach: 13,076.8 acre-feet
22	City of Lakewood: 500 acre-feet
23	City of Downey: 500 acre-feet
24	City of Cerritos 500 acre-feet
25	E. <u>Community Storage: Regional Disadvantaged Communities Incentive</u>
26	<u>Program.</u>
27	In addition to Individual Storage Allocation, a Party that has fully occupied its
28	Individual Storage allocation may, on a first in time, first in right basis (subject to the
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1	limits expressed below) place water into storage in the “Community Storage Pool.” The
2	cumulative quantity of Adjudicated Storage Capacity allocated to Community Storage
3	shall be 111,250 acre-feet. So long as there is available capacity in the Community
4	Storage Pool, any Party may store water in the Community Storage Pool through
5	conversion of Carryover to Stored Water as provided herein, or by any other means
6	authorized by this Judgment, provided such Party has first fully occupied that party’s
7	available Individual Storage Allocation.
8	(1) Parties to this Judgment which, as of January 1, 2013, held
9	Allowed Pumping Allocation of not greater than 5,000 acre-feet shall have a first
10	priority right to occupy, in the aggregate, up to 10,000 acre-feet of storage space
11	within the Central Basin Community Storage Pool, on the basis of first in time,
12	first in right.
13	(2) Water stored pursuant to the Regional Disadvantaged
14	Communities Incentive Program shall have a second priority right to occupy up to
15	23,000 acre-feet within the Community Storage Pool, on such terms as shall be
16	determined by the Court.
17	(3) Any further storage in excess of the maximum quantity of
18	Community Storage will be on a “space-available” interim basis. From time to
19	time, and on a “space-available” basis, the total quantity of water available for
20	storage is permitted to exceed Adjudicated Storage Capacity for the Community
21	Storage Pool on an interim basis. This interim storage may occur if storage
22	capacity exists as a result of unused Adjudicated Storage Capacity within other
23	classifications, or available space exists in the Basin Operating Reserve. Such
24	interim storage, however, is subject to priority rights to such Dewatered Space as
25	provided in this Judgment. A party that seeks to convert the water temporarily
26	held in interim storage to a more firm right, may contract for the use of another
27	party’s Individual Storage Allocation, or may add such water to the Community
28	Storage Pool once space therein becomes available.
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1	(4) After a party occupies available storage capacity within the
2	Community Storage Pool and then withdraws water from the Community Storage
3	Pool, the storing party will be allowed a period of twenty-four (24) months to
4	refill the evacuated storage before the capacity will be determined excess and
5	available for use by other parties. Once the Basin's Community Storage Pool has
6	been filled for the first time, a party may exercise its twenty-four (24) month refill
7	priority only once, and then only provided there is then capacity available to
8	permit that party to refill the vacated space. Except to the extent Community
9	Storage space may be subject to such priority right to re-fill, all space therein shall
10	be occupied on a first in time, first in right basis.
11	(5) A party that has occupied storage in the Community Storage Pool
12	for ten (10) consecutive years shall be deemed to extract its Stored Water first in
13	subsequent years (notwithstanding the order of water production set forth in
14	Section I(B)(3)) until its entire Community Storage account has been extracted,
15	but thereafter may again make use of Community Storage on the same terms
16	available to other parties on a first in time, first in right, space-available basis.
17	(6) Any quantity of water held in the Community Storage Pool for a
18	term greater than ten (10) consecutive years shall be assessed an annual water loss
19	equal to 5% of the lowest quantity of water held within the party's Community
20	Storage Pool account at any time during the immediately preceding ten-year
21	period. The lowest quantity means the smallest amount of water held by the Party
22	in the Community Storage Pool during any of the preceding ten (10) years, with a
23	new loss calculation being undertaken every year. Water subject to the loss
24	assessment will be deemed dedicated to the Basin Operating Reserve in
25	furtherance of the physical solution without compensation. Water lost to the
26	Basin shall constitute water replenished into the Central Basin for the benefit of
27	all parties
28	F. <u>Limit on Storage.</u>
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1	Irrespective of the category of storage utilized, each party to this Judgment may
2	not cumulatively have in storage at any time Stored Water totaling more than two
3	hundred percent (200%) of that party's Allowed Pumping Allocation. Subject to the
4	foregoing, the right to produce Stored Water may be freely transferred to another party to
5	this Judgment, or as otherwise permitted herein.
6	G. <u>Extractions of Stored Water; Exemption from Replenishment Assessment.</u>
7	The Court finds and declares that the extraction of Stored Water as permitted
8	hereunder does not constitute "production of groundwater" within the meaning of Water
9	Code Section 60317 and that no Replenishment Assessment shall be levied on the
10	extraction of Stored Water. WRD has stipulated to the same. This determination reflects
11	the practical application of certain provisions of this Judgment concerning storage of
12	water, including, without limitation, understanding the following: (1) payment of the
13	Replenishment Assessment is required upon the conversion of Carryover Water into
14	storage, and; (2) developed water introduced into the Basin for storage by or on behalf of
15	a Party through spreading or injection need not be replenished by WRD and should not
16	be subject to the Replenishment Assessment.
17	H. <u>Storage Procedure.</u>
18	The Administrative Body shall (i) prescribe forms and procedures for the orderly
19	reporting of Stored Water, (ii) maintain records of all water stored in the Basin, and (iii)
20	undertake monitoring and modeling of Stored Water as may be reasonably required. As
21	to any Storage Projects that will require review and approval by the Storage Panel, the
22	Administrative Body shall provide appropriate applications, and shall work with project
23	applicants to complete the application documents for presentation to the Storage Panel.
24	The Administrative Body shall be responsible for conducting any groundwater modeling
25	necessary to evaluate a proposed Storage Project. The proponent of a proposed project
26	will bear all costs associated with the review of the application for approval of the project
27	and all costs associated with its implementation. Nothing in this Judgment shall alter the
28	applicant(s) duty to comply with CEQA or to meet other legal requirements as to any
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1	proposed Storage Project. Within thirty (30) days after final submission of the storage
2	application documents, the Administrative Body shall provide notice of the storage
3	application (either by electronic mail or U.S. postal mail), together with a copy of the
4	application documents, to all parties possessing an Allowed Pumping Allocation, and to
5	any other person requesting notice thereof. Following notice, any necessary hearings
6	before the Storage Panel shall be conducted as provided in Section IV(O) of this
7	Judgment.
8	I. <u>Loss of Stored Water/Relative Priority.</u>
9	To balance the need to protect priority uses of storage and to encourage the full
10	utilization of Adjudicated Storage Capacity and Basin Operating Reserve where it can be
11	accommodated without interference with priority uses, and except as otherwise provided
12	in this Judgment, no water held in any authorized storage account will be deemed lost
13	from that storage account unless the cumulative quantity of water held as Stored Water
14	plus the quantity of water held within the Basin Operating Reserve exceeds 330,000
15	acre-feet. Where all Adjudicated Storage Capacity and Basin Operating Reserve has
16	been occupied, the first Stored Water to be deemed lost shall be the last water stored as
17	Community Storage. Upon receipt of a bona fide request by another use entitled to
18	priority hereunder, Watermaster shall issue a notice requiring the other parties to
19	evacuate their Stored Water. Any Stored Water that is not evacuated shall be deemed
20	dedicated to the Basin Operating Reserve in furtherance of the physical solution without
21	compensation and accounted for accordingly.
22	J. <u>Limits on Extraction.</u>
23	Anything in this Judgment to the contrary notwithstanding, no party shall extract
24	greater than 140% of the sum of (i) the party's Allowed Pumping Allocation and (ii) the
25	party's leased water, except upon prior approval by the Water Rights Panel. For this
26	purpose, a party's total extraction right for a particular year shall include that party's
27	Allowed Pumping Allocation and any contractual right through lease or other means to
28	utilize the adjudicated rights of another party. Where such proposed extraction would
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1	occur within the Central Basin Pressure Area as defined by Watermaster consistent with
2	historical records, the Water Rights Panel shall submit such request for review by the
3	Board of WRD. The Water Rights Panel shall not approve any request for over-
4	extraction within the Pressure Area without a written finding by the Board of WRD that
5	such over-extraction will not cause Material Physical Harm. The role of the Board of
6	WRD in this process shall not be read to expand or restrict WRD's statutory authority.
7	Consideration shall be on an expedited basis.
8	K. <u>Increased Extractions in the Central Basin for Certain Water Purveyors.</u>
9	(1) This Court also maintains continuing jurisdiction over the West
10	Coast Basin, which bounds the Central Basin to the west.
11	(2) Certain Water Purveyors are parties to both this Amended
12	Judgment and the judgment governing the West Coast Basin and serve
13	communities overlying both the Central Basin and the West Coast Basin.
14	(3) Certain Water Purveyors may exceed their Allowed Pumping
15	Allocation in any Administrative Year, subject to all of the following conditions:
16	(a) The Water Purveyor is one of the following eligible Parties:
17	(i) City of Los Angeles
18	(ii) Golden State Water Company
19	(iii) California Water Service Company.
20	(b) Increased extractions pursuant to this Section shall not
21	exceed 5,000 acre-feet per Water Purveyor for the particular
22	Administrative Year.
23	(c) Increased extractions pursuant to this Section shall not
24	exceed the Water Purveyor's unused "Adjudicated Rights" in the West
25	Coast Basin.
26	(d) Increased extractions pursuant to this Section shall not
27	result in Material Physical Harm.
28	(4) Notwithstanding the foregoing, nothing herein permits extraction
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1	of water within the Central Basin in excess of 140% of Allowed Pumping
2	Allocation for the particular Administrative Year, except as otherwise permitted
3	under this Judgment.
4	(5) Replenishment of any water extracted from the Central Basin
5	pursuant to this Section shall occur exclusively in the Central Basin.
6	(6) The benefits of this Section are made available only to the certain
7	Water Purveyors that serve communities overlying the Central Basin and
8	communities overlying the West Basin, in recognition of the management of
9	water resources by those Water Purveyors to serve such overlying communities.
10	It is not made, nor is it related to, a determination of an underflow between the
11	basins, a cost or benefit allocation, or any other factor relating to the allocation of
12	the Replenishment Assessment.
13	L. <u>Special Provisions for Temporary Storage within Community Storage</u>
14	<u>Pool.</u>
15	The Central Basin Municipal Water District ("CBMWD") shall take such action
16	as may be necessary to reduce its Allowed Pumping Allocation to five (5) acre-feet or
17	fewer by December 31, 2018, and has agreed, by stipulation, not to acquire any
18	additional Central Basin water rights. Upon application by CBMWD, the Storage Panel
19	may, after making each of the findings required in this subsection, approve storage of
20	water by CBMWD within the Community Storage Pool subject to the stated conditions.
21	The Storage Panel may only authorize such storage after finding each of the following to
22	be true as of the date of such approval:
23	
24	(1) CBMWD (a) then owns five (5) acre-feet or fewer of Allowed
25	Pumping Allocation, and (b) has not produced water utilizing any extraction
26	rights it holds within the Basin but has only engaged in the sale or leasing of those
27	rights to others.
28	(2) There is available space for Storage within the Community Storage

1	Pool.
2	
3	(3) CBMWD has identified a source of imported water that may be
4	brought into the Basin and stored underground.
5	
6	(4) The water identified for storage (a) is unlikely to be acquired by
7	other parties through surface delivery for use within the Basin, and (b) was
8	offered to WRD to purchase for replenishment purposes at the same price that
9	CBMWD otherwise sells imported water to WRD and WRD declined to purchase
10	said water, within a reasonable period of time.
11	
12	(5) There will be no Material Physical Harm associated with the
13	introduction of the water into storage, or its extraction, in the manner approved by
14	the Storage Panel.
15	
16	The condition expressed in Section IV(L)(1)(a) above shall not be operative until
17	January 1, 2019, or upon reduction of CBMWD's Allowed Pumping Allocation
18	to five (5) acre-feet or fewer, whichever first occurs. CBMWD may not extract
19	the Stored Water, and may instead only transfer that Stored Water to a party
20	having extraction rights, or to WRD for replenishment purposes only. Such
21	Stored Water not so transferred within three (3) years following its storage may
22	be purchased by WRD, at its option, for replenishment purposes only, at a price
23	not exceeding the actual cost incurred by CBMWD in importing and storing the
24	water in the first instance, plus a reasonable administrative charge for overhead
25	not exceeding five percent (5%) of the price paid by CBMWD for the water with
26	no other fees or markups imposed by CBMWD. Except as otherwise permitted in
27	this Section, any such Stored Water held by CBMWD for a term greater than
28	three (3) years shall be assessed an annual water loss equal to 10% of the amount
	of such Stored Water at the end of each year. Water subject to the loss

1 assessment will be deemed dedicated to the Basin Operating Reserve in
2 furtherance of the physical solution without further compensation. The Storage
3 Panel shall grant CBMWD one or more extensions of such term, not exceeding
4 total extensions of three (3) additional years, following public hearing, if the
5 Storage Panel determines that the Stored Water has been actively marketed by
6 CBMWD for transfer to Parties on reasonable terms in the previous year. The
7 Storage Panel may impose such additional reasonable conditions as it determines
8 to be appropriate. Any review by the Storage Panel hereunder shall only occur at
9 a public hearing held following at least 15 days' (but not more than 30 days')
10 mailed notice to all Parties to this Judgment, at which hearing an opportunity for
11 public comment shall be afforded in advance of any such decision. However, the
12 Storage Panel may consider an application on shorter notice under exigent
13 circumstances, including the potential loss of the water proposed to be stored if
14 action is not taken sooner. CBMWD shall have the right to appeal any action or
15 inaction by the Storage Panel to this court. The storage and extraction of Stored
16 Water hereunder shall otherwise be subject to all other provisions of this
17 Judgment. The court finds and declares that this subsection constitutes a "court
18 order issued by a court having jurisdiction over the adjudication of groundwater
19 extraction rights within the groundwater basin where storage is sought" within the
20 meaning of Water Code §71610(b)(2)(B). Nothing in this provision impedes
21 CBMWD's ability to store water pursuant to a contract with an adjudicated
22 groundwater extraction rights holder as permitted by Water Code
23 § 71610(b)(2)(A) and otherwise in accordance with this Judgment.
24 M. Basin Operating Reserve.
25 It is in the public interest and in furtherance of the physical solution for WRD to
26 prudently exercise its statutory discretion to purchase, spread, and inject Replenishment
27 Water, to provide for in-lieu replenishment, and otherwise to fulfill its replenishment
28 function within the Basin as provided in Water Code Section 60000 et. seq. Hydrologic,

1 regulatory and economic conditions now prevailing within the State require that WRD be
2 authorized to exercise reasonable discretion and have flexibility in the accomplishment
3 of its replenishment function. Accordingly, WRD may pre-purchase or defer the
4 purchase of Replenishment Water, and may otherwise purchase and manage available
5 sources of Replenishment Water under the most favorable climatic and economic
6 conditions as it may determine reasonable and prudent under the circumstances. It is the
7 intent of the parties to preserve space for such replenishment activities, including capture
8 of natural inflows during wet years, recapture of water when possible, and artificial
9 replenishment when water is available at discounted rate, for the benefit of the Basin and
10 the parties to the Judgment. The Basin Operating Reserve is intended to allow WRD to
11 meet its replenishment needs to make APA available for extraction by all water rights
12 holders. Accordingly, WRD shall have a priority right to occupy up to 110,000 acre-feet
13 of the Available Dewatered Space as the "Basin Operating Reserve" for the acquisition
14 and replenishment of water, or to ensure space remains available in the Basin to capture
15 natural inflows during wet years for the benefit of the parties to the Judgment, to offset
16 over-production. The priority right is not intended to allow WRD to sell or lease stored
17 water, storage, or water rights. To the extent WRD does not require the use of all of such
18 Basin Operating Reserve, that portion of the Basin Operating Reserve that is not then
19 being used shall be available to other Parties to store water on a temporary and space-
20 available basis. No Party may use any portion of the Basin Operating Reserve for space-
21 available storage unless that Party has already maximized its allowed Storage pursuant to
22 its Individual Storage Allocation and all available Community Storage is already in use.
23 WRD's failure to use any portion of its Basin Operating Reserve shall not cause
24 forfeiture or create a limitation of its right to make use of the designated space in the
25 future. WRD's first priority right to this category of space shall be absolute. To the
26 extent that there is a conflict between WRD and a third party regarding the availability of
27 and desire to use any portion of the space available for replenishment up to the maximum
28 limits set forth in this section, the interests of WRD will prevail. If a party other than

1	WRD is using the Basin Operating Reserve space on a “space available” basis and a
2	conflict develops between WRD and the storing party, the storing party will, upon notice
3	from WRD, evacuate the Stored Water within ninety (90) days thereafter. In such event,
4	temporary occupancy within the Basin Operating Reserve shall be first in time, first in
5	right, and the last Party to store water shall be required to evacuate first until adequate
6	space shall be made available within the Basin Operating Reserve to meet WRD’s needs.
7	The storing party or parties assume all risks of waste, spill and loss regardless of the
8	hardship. Stored Water that is not evacuated following WRD’s notice of intent to occupy
9	the Basin Operating Reserve will be deemed dedicated to the Basin Operating Reserve in
10	furtherance of the physical solution without compensation and accounted for
11	accordingly. Nothing herein shall permit WRD to limit or encumber, by contract or
12	otherwise, its right to use the Basin Operating Reserve for Replenishment purposes for
13	any reason, or to make space therein available to any person by any means.
14	Notwithstanding the foregoing, to the extent excess space is available, water evacuated
15	from the Basin Operating Reserve as provided in this Section shall be deemed added to
16	available space within the Individual Storage Allocations and Community Storage Pool,
17	subject to the priority rights otherwise provided in this Judgment.
18	N. <u>Water Augmentation.</u>
19	The parties, in coordination with WRD, may undertake projects that add to the
20	long-term reliable yield of the Basin. Innovations and improvements in practices that
21	increase the conservation and maximization of the reasonable and beneficial use of water
22	should be promoted. To the extent that Parties to the Judgment, in coordination with
23	WRD, implement a project that provides additional long-term reliable water supply to the
24	Central Basin, the annual extraction rights in the Central Basin will be increased
25	commensurately in an amount to be determined by the Storage Panel to reflect the actual
26	yield enhancement associated with the project. Augmented supplies of water resulting
27	from such a project may be extracted or stored as permitted in this Judgment in the same
28	manner as other water. Participation in any Water Rights Augmentation Project shall be
<p style="text-align: center;">65</p> <p style="text-align: center;">THIRD AMENDED JUDGMENT</p>	

1	voluntary. A party may elect to treat a proposed project as a Water Augmentation
2	Project (for the purpose of seeking an increase in that party’s Allowed Pumping
3	Allocation) or may elect to treat such a project as a Storage Project under the other
4	provisions of this Judgment. The terms of participation in any Water Augmentation
5	Project will be at the full discretion of the participating parties. All Water Augmentation
6	Projects will be approved by the Storage Panel.
7	(1) <u>Participating Parties.</u>
8	Parties who propose a Water Augmentation Project (“Project Leads”) may
9	do so in their absolute discretion, upon such terms as they may determine. All
10	other parties to this Judgment will be offered an opportunity to participate in the
11	Water Augmentation Project on condition that they share proportionally in
12	common costs and benefits, and assume the obligation to bear exclusively the cost
13	of any improvements that are required to accommodate their individual or
14	particular needs. Notice shall be provided which generally describes the project
15	and the opportunity to participate with sufficient time for deliberation and action
16	by any of these parties who could potentially participate. Disputes over the
17	adequacy of notice shall be referred to the Storage Panel, and then to the Court
18	under its continuing jurisdiction. Parties who elect to participate (“Project
19	Participants”) may do so provided they agree to offer customary written and
20	legally binding assurances that they will bear their proportionate costs attributable
21	to the Water Rights Augmentation Project, or provide other valuable
22	consideration deemed sufficient by the Project Leads and the Project Participants.
23	(2) <u>Determination of Additional Extraction Rights.</u>
24	The amount of additional groundwater extraction as a result of a Water
25	Augmentation project will be determined by the Storage Panel, subject to review
26	by the Court. The determination will be based upon substantial evidence which
27	supports the finding that the Water Augmentation project will increase the long-
28	term sustainable yield of the respective Basin by an amount at least equal to the
<p style="text-align: center;">66</p> <p style="text-align: center;">THIRD AMENDED JUDGMENT</p>	

1	proposed increase in extraction rights.
2	(3) <u>Increase in Extraction Rights.</u>
3	A party that elects to participate and pays that party's full pro-rata share of
4	costs associated with any Water Augmentation Project and/or reaches an
5	agreement with other participants based upon other valuable consideration
6	acceptable to the Project Leads and Project Participants, will receive a
7	commensurate increase in extraction rights. Non-participating parties will not
8	receive an increase or a decrease in extraction rights. Any party that elects not to
9	participate will not be required to pay any of the costs attributable to the particular
10	Water Augmentation Project, whether directly or indirectly as a component of the
11	WRD Replenishment Assessment.
12	(4) <u>Nominal Fluctuations.</u>
13	Because water made available for Water Rights Augmentation will be
14	produced annually, fluctuations in groundwater levels will be temporary, nominal
15	and managed within the Basin Operating Reserve.
16	(5) <u>Availability of New Water.</u>
17	The amount of additional groundwater extraction established as a result of
18	a Water Augmentation Project shall be equal to the quantity of new water in the
19	Basin that is attributable to that Water Augmentation Project. No extraction shall
20	occur and no extraction right shall be established until new water has been
21	actually introduced into the Basin as a result of the Project. Any approval for a
22	Water Augmentation Project shall include provisions (a) requiring regular
23	monitoring to determine the actual amount of such new water made available, (b)
24	requiring make-up water or equivalent payment therefor to the extent that actual
25	water supply augmentation does not meet projections, and (c) adjusting extraction
26	rights attributable to the Water Augmentation Project to match the actual water
27	created. The right to extract augmented water from the Basin resulting from a
28	party's participation in a Water Augmentation Project shall be accounted for

1	separately and shall not be added to a party's Allowed Pumping Allocation. No
2	Replenishment Assessment shall be levied against the extraction of augmented
3	water.
4	(6) <u>Limitation.</u>
5	Notwithstanding the foregoing, WRD will not obtain any water rights or
6	extraction rights under this Judgment by virtue of its participation in a Water
7	Augmentation Project. If WRD participates in a Water Rights Augmentation
8	Project through funding or other investments, its allocation of new water from the
9	project shall be used to offset its replenishment responsibilities.
10	O. <u>Limits on Watermaster Review.</u>
11	It shall not be necessary for Watermaster, or any constituent body thereof, to
12	review or approve any of the following before the affected Party may proceed: (i)
13	exercise of adjudicated water rights consistent with this Judgment, except for extraction
14	above 140% of a Party's extraction right as set out in Section IV(J) of this Judgment; (ii)
15	replenishment of the Basin with Replenishment Water by WRD consistent with Water
16	Code Section 60000 et seq., including replenishment of water produced by water rights
17	holders through the exercise of adjudicated water rights; (iii) WRD's operations within
18	the Basin Operating Reserve; (iv) Carryover Conversion or other means of the filling of
19	the Individual Storage Accounts and the Community Storage Pool, as provided in this
20	Judgment, as long as existing water production, spreading, or injection facilities are used;
21	and (v) individual transfers of the right to produce Stored Water as permitted in Section
22	IV(F). All other Storage Projects and all Water Augmentation Projects shall be subject
23	to review and approval as provided herein, including (i) material variances to substantive
24	criteria governing projects exempt from the review and approval process, (ii)
25	modifications to previously approved Storage Projects and agreements, (iii) a party's
26	proposal for Carryover Conversion in quantities greater than the express apportionment
27	of Adjudicated Storage Capacity on a non-priority, space-available, interim basis, and
28	(iv) Storage, by means other than Carryover Conversion, when new production,

1	spreading, or injection facilities are proposed to be utilized.
2	P. <u>Hearing Process For Watermaster Review.</u>
3	The following procedures shall be followed by Watermaster where Watermaster
4	review of storage or extraction of Stored Water is required or permitted under this
5	Judgment:
6	(1) No later than thirty (30) days after notice has been issued for the
7	storage application, the matter shall be set for hearings before the Storage Panel.
8	A staff report shall be submitted by WRD staff in conjunction with the completed
9	storage application documents and the Water Rights Panel may prepare an
10	independent staff report, if it elects to do so.
11	(2) The Board of WRD and the Water Rights Panel (sitting jointly as
12	the Storage Panel) shall conduct a joint hearing concerning the storage
13	application.
14	(3) All Watermaster meetings shall be conducted in the manner
15	prescribed by the applicable Rules and Regulations. The Rules shall provide that
16	all meetings of Watermaster shall be open to water rights holders and that
17	reasonable notice shall be given of all meetings.
18	(4) The Board of WRD and the Water Rights Panel shall each adopt
19	written findings explaining its decision on the proposed Storage Project, although
20	if both entities reach the same decision on the Storage Project, they shall work
21	together to adopt a uniform set of findings.
22	(5) Unless both the Board of WRD and the Water Rights Panel
23	approve the Storage Project, the Storage Project application shall be deemed
24	denied (a "Project Denial"). If both the Board of WRD and the Water Rights
25	Panel approve the Storage Project, the Storage Project shall be deemed approved
26	(a "Project Approval").
27	Q. <u>Trial Court Review</u>
28	(1) The applicant may seek the Storage Panel's reconsideration of a
<p style="text-align: center;">69</p> <p style="text-align: center;">THIRD AMENDED JUDGMENT</p>	

1	Project Denial. However, there shall be no process for mandatory reconsideration
2	or mediation of a Project Approval or a Project Denial either before the
3	Administrative Body, or before the Water Rights Panel.
4	(2) Any Party may file an appeal from a Project Approval or Project
5	Denial with this Court, as further described in Section II(F).
6	(3) In order to (a) promote the full presentation of all relevant
7	evidence before the Storage Panel in connection with its consideration of any
8	proposed Storage Project, (b) achieve an expeditious resolution of any appeal to
9	the Court, and (c) accord the appropriate amount of deference to the expertise of
10	the Storage Panel, the appeal before the Court shall be based solely on the
11	administrative record, subject only to the limited exception in California Code of
12	Civil Procedure section 1094.5(e).
13	(4) If both the WRD Board and the Water Rights Panel each vote to
14	deny or approve a proposed Storage Project, it shall be an action by the Storage
15	Panel and that decision shall be accorded by the Court deference according to the
16	substantial evidence test. If one of the reviewing bodies votes to approve the
17	proposed Storage Project and the other reviewing body votes to deny the proposed
18	storage project, then the Court's review shall be <i>de novo</i> , although still restricted
19	to the administrative record. In the case of any <i>de novo</i> Trial Court review, the
20	findings made by the respective Watermaster bodies shall not be accorded any
21	weight independent of the evidence supporting them.
22	R. <u>Space Available Storage, Relative Priority, and Dedication of "Spilled"</u>
23	<u>Water.</u>
24	To balance the need to protect priority uses of storage and to encourage the full
25	utilization of Available Dewatered Space within the Adjudicated Storage Capacity and
26	the Basin Operating Reserve, any Party may make interim, temporary use of then
27	currently unused Available Dewatered Space within any category of Adjudicated Storage
28	Capacity, and then if all Adjudicated Storage Capacity is being fully used for Stored
<p style="text-align: center;">70</p> <p style="text-align: center;">THIRD AMENDED JUDGMENT</p>	

1	Water within the Basin Operating Reserve ("Space-Available Storage"), subject to the
2	following criteria:
3	(1) Any Party may engage in Space-Available Storage without prior
4	approval from Watermaster provided that the storing Party or Parties shall assume
5	all risks of waste, spill, and loss regardless of the hardship. Whenever the Storage
6	Panel determines that a Party is making use of excess Available Dewatered Space
7	for Space-Available Storage, the Storage Panel shall issue written notice to the
8	Party informing them of the risk of spill and loss.
9	(2) Whenever the Available Dewatered Space is needed to
10	accommodate the priority use within a respective category of Adjudicated Storage
11	Capacity, or WRD seeks to make use of its priority right to the Basin Operating
12	Reserve to fulfill its replenishment function, the Storage Panel shall issue a notice
13	to evacuate the respective category of Adjudicated Storage Capacity or Basin
14	Operating Reserve, as applicable, within the time-periods set forth within this
15	Amended Judgment. To the extent the Stored Water is not timely evacuated such
16	Stored Water will be placed into any other excess Available Dewatered Space,
17	first within the Adjudicated Storage Capacity, if available, and then if all
18	Adjudicated Storage Capacity is being fully used for Stored Water within the
19	Basin Operating Reserve. If no excess Available Dewatered Space is available
20	within the Basin Operating Reserve, then the Stored Water shall be deemed
21	spilled and will be deemed dedicated to the Basin Operating Reserve in
22	furtherance of the physical solution without compensation and accounted for
23	accordingly. A Party that seeks to convert the Stored Water temporarily held in
24	interim storage as Space-Available Storage to a more firm right, may in its
25	discretion, contract for the use of another Party's Individual Storage Allocation,
26	or may add such water to the Community Storage Pool once space therein
27	becomes available.
28	(3) No Stored Water will be deemed abandoned unless the cumulative
<p style="text-align: center;">71</p> <p style="text-align: center;">THIRD AMENDED JUDGMENT</p>	

1	quantity of water held as Stored Water plus the quantity of water held in the Basin
2	Operating Reserve exceeds 330,000 (three hundred and thirty thousand) acre-feet
3	in the Central Basin.
4	
5	V. <u>CONTINUING JURISDICTION OF THE COURT.</u>
6	The Court hereby reserves continuing jurisdiction and upon application of any interested
7	party, or upon its own motion, may review and redetermine the following matters and any
8	matters incident thereto:
9	A. Its determination of the permissible level of extractions from Central
10	Basin in relation to achieving a balanced basin and an economic utilization of Central
11	Basin for groundwater storage, taking into account any then anticipated artificial
12	replenishment of Central Basin by governmental agencies for the purpose of alleviating
13	what would otherwise be annual overdrafts upon Central Basin and all other relevant
14	factors.
15	B. Whether in accordance with applicable law any party has lost all or any
16	portion of his rights to extract groundwater from Central Basin and, if so, to ratably
17	adjust the Allowed Pumping Allocations of the other parties and ratably thereto any
18	remaining Allowed Pumping Allocation of such party.
19	C. To remove any Watermaster or constituent body appointed from time to
20	time and appoint a new Watermaster; and to review and revise the duties, powers and
21	responsibilities of the Watermaster or its constituent bodies and to make such other and
22	further provisions and orders of the Court that may be necessary or desirable for the
23	adequate administration and enforcement of the Judgment.
24	D. To revise the price to be paid by Exchangers and to Exchangers for
25	Exchange Pool purchases and subscriptions.
26	E. In case of emergency or necessity, to permit extractions from Central
27	Basin for such periods as the Court may determine: (i) ratably in excess of the Allowed
28	Pumping Allocations of the parties; or (ii) on a non-ratable basis by certain parties if
<p style="text-align: center;">72</p> <p style="text-align: center;">THIRD AMENDED JUDGMENT</p>	

1	either compensation or other equitable adjustment for the benefit of the other parties is
2	provided. Such overextractions may be permitted not only for emergency and necessity
3	arising within Central Basin area, but to assist the remainder of the areas within The
4	Metropolitan Water District of Southern California in the event of temporary shortage or
5	threatened temporary shortage of its imported water supply, or temporary inability to
6	deliver the same throughout its area, but only if the court is reasonably satisfied that no
7	party will be irreparably damaged thereby. Increased energy cost for pumping shall not
8	be deemed irreparable damage. Provided, however, that the provisions of this
9	subparagraph will apply only if the temporary shortage, threatened temporary shortage,
10	or temporary inability to deliver was either not reasonably avoidable by the Metropolitan
11	Water District, or if reasonably avoidable, good reason existed for not taking the steps
12	necessary to avoid it.
13	F. To review actions of the Watermaster.
14	G. To assist the remainder of the areas within The Metropolitan Water
15	District of Southern California within the parameter set forth in subparagraph (e) above.
16	H. To provide for such other matters as are not contemplated by the Judgment
17	and which might occur in the future, and which if not provided for would defeat any or
18	all of the purposes of this Judgment to assure a balanced Central Basin subject to the
19	requirements of Central Basin Area for water required for its needs, growth and
20	development.
21	The exercise of such continuing jurisdiction shall be after 30 days' notice to the parties,
22	with the exception of the exercise of such continuing jurisdiction in relation to subparagraphs E
23	and G above, which may be <i>ex parte</i> , in which event the matter shall be forthwith reviewed
24	either upon the Court's own motion or the motion of any party upon which 30 days' notice shall
25	be so given. Within ten (10) days of obtaining any <i>ex parte</i> order, the party so obtaining the
26	same shall mail notice thereof to the other parties. If any other party desires Court review
27	thereof, the party obtaining the <i>ex parte</i> order shall bear the reasonable expenses of mailing
28	notice of the proceedings, or may in lieu thereof undertake the mailing. Any contrary or
<div>73</div> <div>THIRD AMENDED JUDGMENT</div>	

1	modified decision upon such review shall not prejudice any party who relied on said <i>ex parte</i>
2	order.
3	
4	VI. <u>GENERAL PROVISIONS.</u>
5	A. <u>Judgment Constitutes Inter Se Adjudication.</u>
6	This Judgment constitutes an inter se adjudication of the respective rights of all
7	parties, except as may be otherwise specifically indicated in the listing of the water rights
8	of the parties of this Judgment, or in Appendix "2" hereof. All parties to this Judgment
9	retain all rights not specifically determined herein, including any right, by common law
10	or otherwise, to seek compensation for damages arising out of any act or omission of any
11	person. This Judgment constitutes a "court order" within the meaning of Water Code
12	Section 71610(B)(2)(b).
13	B. <u>Assignment, Transfer, Etc., of Rights.</u>
14	Subject to the other provision of this Judgment, and any rules and regulations of
15	the Watermaster requiring reports relative thereto, nothing herein contained shall be
16	deemed to prevent any party hereto from assigning, transferring, licensing or leasing all
17	or any portion of such water rights as it may have with the same force and effect as
18	would otherwise be permissible under applicable rules of law as exist from time to time.
19	C. <u>Service Upon and Delivery to Parties of Various Papers.</u>
20	Service of the Judgment on those parties who have executed that certain
21	Stipulation and Agreement for Judgment or who have filed a notice of election to be
22	bound by the Exchange Pool provisions shall be made by first class mail, postage
23	prepaid, addressed to the designee and at the address designated for that purpose in the
24	executed and filed Counterpart of the Stipulation and Agreement for Judgment or in the
25	executed and filed "Notice of Election to be Bound by Exchange Pool Provisions," as the
26	case may be, or in any substitute designation filed with the Court.
27	Each party who has not heretofore made such a designation shall, within 30 days
28	after the Judgment shall have been served upon that party, file with the Court, with proof
<div>74</div> <div>THIRD AMENDED JUDGMENT</div>	

1 of service of a copy upon the Watermaster, a written designation of the person to whom
2 and the address at which all future notices, determinations, requests, demands, objections,
3 reports and other papers and processes to be served upon that party or delivered to that
4 party are to be so served or delivered.

5 A later substitute designation filed and served in the same manner by any party
6 shall be effective from the date of filing as to the then future notices, determinations,
7 requests, demands, objections, reports and other papers and processes to be served upon
8 or delivered to that party.

9 Delivery to or service upon any party by the Watermaster, by any other party, or
10 by the Court, or any item required to be served upon or delivered to a party under or
11 pursuant to the Judgment may be by deposit in the mail, first class, postage prepaid,
12 addressed to the designee and at the address in the latest designation filed by that party.

13 D. Judgment Does Not Affect Rights, Powers, Etc., of Plaintiff District.
14 Nothing herein constitutes a determination or adjudication which shall foreclose
15 Plaintiff District from exercising such rights, powers, privileges and prerogatives as it
16 may now have or may hereafter have by reason of provisions of law.

17 E. Continuation of Order under Interim Agreement
18 The order of Court made pursuant to the "Stipulation and Interim Agreement and
19 Petition for Order" shall remain in effect through the Administrative Year in which this
20 Judgment shall become final (subject to the reserved jurisdiction of the Court).

21 F. Effect of Extractions by Exchanges; Reductions in Extractions.
22 With regard to Exchange Pool purchases, the first extractions by each Exchange
23 shall be deemed the extractions of the quantities of water which that party is entitled to
24 extract pursuant to his allocation from the Exchange Pool for that Administrative Year.
25 Each Exchangee shall be deemed to have pumped his Exchange Pool request so allocated
26 for and on behalf of each Exchanger in proportion to each Exchanger's subscription to
27 the Exchange Pool which is utilized to meet Exchange Pool requests. No Exchanger
28 shall ever be deemed to have relinquished or lost any of its rights determined in this

1 Judgment by reason of allocated subscriptions to the Exchange Pool. Each Exchangee
2 shall be responsible as between Exchangers and that Exchangee, for any tax or
3 assessment upon the production of groundwater levied for replenishment purposes by
4 WRD or by any other governmental agency with respect to water extracted by such
5 Exchangee by reason of Exchange Pool allocations and purchases. No Exchanger or
6 Exchangee shall acquire any additional rights, with respect to any party to this action, to
7 extract waters from Central Basin pursuant to Water Code Section 1005.1 by reason of
8 the obligations pursuant to and the operation of the Exchange Pool.

9 G. Judgment Binding on Successors, Etc.
10 This Judgment and all provisions thereof are applicable to and binding upon not
11 only the parties to this action, but as well to their respective heirs, executors,
12 administrators, successors, assigns, lessees, licensees and to the agents, employees and
13 attorneys in fact of any such persons.

14 H. Costs.
15 No party shall recover its costs herein as against any other party.

16 I. Intervention of Successors in Interest and New Parties.
17 Any person who is not a party (including but not limited to successors or parties
18 who are bound by this Judgment) and who proposes to produce water from the Basin,
19 store water in the Basin, or exercise water rights of a predecessor may seek to become a
20 party to this Judgment through a Stipulation in Intervention entered into with the
21 Plaintiff. Plaintiff may execute said Stipulation on behalf of the other parties herein, but
22 such Stipulation shall not preclude a party from opposing such intervention at the time of
23 the court hearing thereon. Said Stipulation for Intervention must thereupon be filed with
24 the Court, which will consider an order confirming said intervention following thirty (30)
25 days' notice to the parties. Thereafter, if approved by the Court, such intervenor shall be
26 a party bound by this Judgment and entitled to the rights and privileges accorded under
27 the physical solution herein.

28 J. Effect of this Amended Judgment on Orders Filed Herein.

1 This Third Amended Judgment shall not abrogate such rights of additional
2 carryover of unused water rights as may otherwise exist pursuant to orders herein filed
3 June 2, 1977 and September 29, 1977.
4

5 THE CLERK WILL ENTER THIS THIRD AMENDED JUDGMENT FORTHWITH.
6

7 DATED: _____
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10 _____
11 Judge of the Superior Court
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APPENDIX J

2015 Consumer Confidence Report

Santa Fe Springs Water Utility Authority 2015 Annual Water Quality Report

This report is a snapshot of the tap water quality that was provided to you last year. Included are details about where your water comes from, how it is tested, what is in it, and how it compares with state and federal limits. We strive to keep you informed about the quality of your water, and to provide a reliable and economical supply that meets all regulatory requirements.



CONSUMER CONFIDENCE REPORT



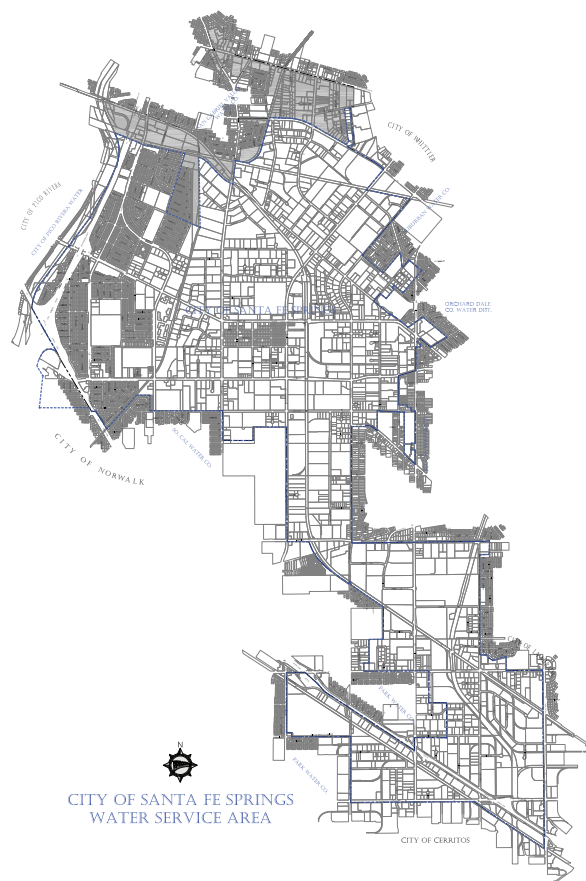
Where Does My Tap Water Come From?

Santa Fe Springs Water Utility Authority (SFSWUA) tap water comes from 2 sources: groundwater and surface water.

Last year, SFSWUA obtained treated and disinfected groundwater through the City of Whittier from four (4) active deep wells located in the Whittier Narrows area. In addition, SFSWUA receives treated groundwater from the Central Basin Water Quality Protection Program facility located in the Central Basin, through the City of Whittier.

In 2015 we also received Metropolitan Water District of Southern California's (MWD) filtered and disinfected surface water, which is water from the Colorado River.

These water sources supply our service area shown on the adjacent map. The quality of our treated groundwater and MWD's treated surface water supplies is presented in this report.



How is My Drinking Water Tested?

Your drinking water is tested by State Water Resources Control Board, Division of Drinking Water (DDW) certified water system operators and laboratories to ensure its safety. SFSWUA drinking water from wells, treatment facilities, and distribution system pipes is routinely tested for bacterial, radiological and chemical constituents. The chart in this report shows the average and range of concentrations of the constituents tested in your drinking water during year 2015 or from the most recent tests. DDW allows some constituents to be tested less than once per year because the concentrations of these constituents do not change frequently. Some of our data, although representative, are more than one year old. The chart lists all the constituents detected in your drinking water regulated by federal and state drinking water standards. Detected unregulated constituents requiring monitoring and of interest are also included. We are proud to report that during 2015, the drinking water provided by SFSWUA

to your home met or surpassed all federal and state drinking water standards. We remain dedicated to providing you with a reliable supply of high quality drinking water.

Should I Take Additional Precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The USEPA/Centers for Disease Control guidelines on appropriate means to lessen the risk of infection of *Cryptosporidium* and other microbial contaminants are available from the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

Lead in Tap Water

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. SFSWUA is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the USEPA Safe Drinking Water Hotline or at: <https://www.epa.gov/lead>.

Source Water Assessment

Every five years, MWD is required by DDW to examine possible sources of drinking water contamination in its State Water Project and Colorado River source waters. In 2012, MWD submitted to DDW its updated Watershed Sanitary Surveys for the Colorado River and State Water Project, which include suggestions for how to better protect these source waters. Both source waters are exposed to stormwater runoff, recreational activities, wastewater discharges, wildlife, fires, and other watershed-related factors that could affect water quality. Water from the Colorado River is considered to be most vulnerable to contamination from recreation, urban/stormwater runoff, increasing urbanization in the watershed, and wastewater. Water supplies from Northern California's State Water Project are most vulnerable to contamination from urban/stormwater runoff, wildlife, agriculture, recreation, and wastewater. USEPA also requires MWD to complete one Source Water Assessment (SWA) that utilizes information collected in the watershed sanitary surveys. MWD completed its SWA in December 2002. The SWA is used to evaluate the vulnerability of water sources to contamination and helps determine whether more protective measures are needed. A copy of the most recent summary of either Watershed Sanitary Survey or the SWA can be obtained by calling MWD at (213) 217-6850.

CITY OF SANTA FE SPRINGS WATER AUTHORITY 2015 ANNUAL WATER QUALITY REPORT

How Do I Read the Water Quality Table?

The first column of the water quality table lists substances detected in your water. The next columns list the average concentration and range of concentrations found in your drinking water. Following are columns that list the MCL and PHG or MCLG, as appropriate. The last column describes the likely sources of these substances in drinking water.

To review the quality of your drinking water, compare the highest concentration and the MCL. Check for substances greater than the MCL. Exceedance of a primary MCL does not usually constitute an immediate health threat. Rather, it requires testing the source water more frequently for a short duration. If test results show that the water continues to exceed the MCL, the water must be treated to remove the substance, or the source must be removed from service.

Results are from the most recent testing performed in accordance with State and Federal drinking water regulations							
PRIMARY STANDARDS MONITORED AT THE SOURCE - MANDATED FOR PUBLIC HEALTH							
CONSTITUENTS AND UNITS	SFSWUA GROUNDWATER		MWD SURFACE WATER		MCL	PHG OR (MCLG)	SOURCES IN DRINKING WATER
	AVERAGE	RANGE	AVERAGE	RANGE			
ORGANIC CHEMICALS Tested in 2015							
Tetrachloroethylene (µg/l)	<0.5	ND - 1.6	ND	ND	5	0.06	Degreasing sites and other industries
INORGANIC CHEMICALS Tested in 2012, 2014, and 2015							
Aluminum (mg/l)	ND	ND	0.156	0.088 - 0.2	1	0.6	Residue from water treatment processes
Arsenic (µg/l)	ND	ND	2.1	2.1	10	0.004	Erosion of natural deposits
Barium (mg/l)	ND	ND	0.122	0.122	1	2	Erosion of natural deposits
Chromium, Hexavalent (µg/l)	<1	ND - 1.6	ND	ND	10	0.02	Runoff/leaching from natural deposits; industrial discharge
Fluoride (mg/l) Naturally-occurring	0.22	0.17 - 0.33	NR	NR	2	1	Erosion of natural deposits
Fluoride (mg/l) Treatment-related	NR	NR	0.8	0.6 - 1	Control Range 0.6-1.2 Optimal 0.7		Water additive for dental health
Nitrate (mg/l as N)	2.1	1.4 - 3.4	ND	ND	10	10	Runoff and Leaching from fertilizer/septic tanks/sewage
RADIOLOGICALS Tested in 2012 and 2014							
Gross Alpha (pCi/l)	<3	ND - 8.1	ND	ND - 4	15	(0)	Erosion of natural deposits
Gross Beta (pCi/l)	NR	NR	5	4 - 6	50	(0)	Decay of man-made or natural deposits
Uranium (pCi/l)	1.9	1.2 - 2.9	3	2 - 3	20	0.43	Erosion of natural deposits

PRIMARY STANDARDS MONITORED IN THE DISTRIBUTION SYSTEM - MANDATED FOR PUBLIC HEALTH					
DISINFECTION BY-PRODUCTS (a)	AVERAGE	RANGE	MCL	MCLG	SOURCES IN DRINKING WATER
Trihalomethanes (µg/l) Tested quarterly	38	18 - 46	80	-	Byproduct of drinking water disinfection
Haloacetic Acids (µg/l) Tested quarterly	16	4.2 - 17	60	-	Byproduct of drinking water disinfection
Total Chlorine Residual (mg/l) Tested weekly	1.3	0.06 - 2.3	4.0 (b)	4.0 (c)	Disinfectant added for treatment
MICROBIOLOGICAL					
Total Coliform Tested weekly	0%	--	5.0%	(0)	Naturally Present in the Environment
AT-THE-TAP LEAD AND COPPER, Tested in 2013	90th PERCENTILE	# OF SITES ABOVE THE ACTION LEVEL	ACTION LEVEL	PHG	SOURCES IN DRINKING WATER
Copper (mg/l)	0.31 (d)	0 out of 30 sites	1.3	0.3	Internal corrosion of household plumbing
Lead (µg/l)	ND (d)	0 out of 30 sites	15	0.2	Internal corrosion of household plumbing

SECONDARY STANDARDS MONITORED AT THE SOURCE - FOR AESTHETIC PURPOSES							
INORGANIC CHEMICALS AND UNITS	SFSWUA GROUNDWATER		MWD SURFACE WATER		MCL	PHG	SOURCES IN DRINKING WATER
Tested in 2012, 2014, and 2015	AVERAGE	RANGE	AVERAGE	RANGE			
Aluminum (µg/l) (e)	ND	ND	156	88 - 200	200	600	Surface water treatment process residue
Chloride (mg/l)	100	68 - 120	100	98 - 102	500	-	Runoff/leaching from natural deposits
Color (color units)	ND	ND	1	1	15	-	Naturally-occurring organic materials
Conductivity (umhos/cm)	940	710 - 1,100	1,040	1,030 - 1,060	1,600	-	Substances that form ions when in water
Foaming Agents (MBAS) (µg/l)	<50	ND - 56	ND	ND	500	-	Municipal and industrial waste discharges
Odor (threshold odor number)	1.1	1 - 2	2	2	3	-	Naturally-occurring organic materials
Sulfate (mg/l)	140	87 - 190	257	252 - 261	500	-	Runoff/leaching from natural deposits
Total Dissolved Solids (mg/l)	550	420 - 670	660	654 - 665	1,000	-	Runoff/leaching from natural deposits
Turbidity (ntu)	<1	ND - 0.24	NA	NA	5	-	Runoff/leaching from natural deposits

SECONDARY STANDARDS MONITORED IN THE DISTRIBUTION SYSTEM - FOR AESTHETIC PURPOSES					
GENERAL PHYSICAL CONSTITUENTS	AVERAGE	RANGE	MCL	PHG	SOURCES IN DRINKING WATER
Odor (threshold odor number)	1	1	3	-	Naturally-occurring organic materials
Turbidity (NTU) Tested monthly	<0.1	ND - 0.5	5	-	Runoff/leaching from natural deposits

UNREGULATED CHEMICALS REQUIRING MONITORING AT THE ENTRY POINTS TO THE DISTRIBUTION SYSTEM						
CONSTITUENTS AND UNITS	SFSWUA GROUNDWATER		MWD SURFACE WATER		NL	PHG OR (MCLG)
Tested in 2013 and 2014	AVERAGE	RANGE	AVERAGE	RANGE		
1,4-Dioxane (µg/l)	0.49	0.48 - 0.49	ND	ND	1	-
Chlorate (µg/l)	37	35 - 39	42	42	800	-
Chromium, Hexavalent (µg/l) (f)	0.65	0.6 - 0.69	0.04	0.04	MCL = 10	0.02
Chromium, Total (µg/l) (g)	0.65	0.5 - 0.8	ND	ND	MCL = 50	(100)
Cobalt, Total (µg/l)	2.3	2.2 - 2.3	ND	ND	-	-
Molybdenum (µg/l)	1.6	1.5 - 1.6	4.3	4.3	-	-
Strontium (µg/l)	560	540 - 570	950	950	-	-
Vanadium (µg/l)	3.2	3 - 3.3	2.5	2.5	50	-

UNREGULATED CHEMICALS REQUIRING MONITORING IN THE DISTRIBUTION SYSTEM					
CONSTITUENTS AND UNITS					
TESTED IN 2014	AVERAGE	RANGE	NL	PHG OR (MCLG)	
Chlorate (µg/l)	35	35	800	-	-
Chromium, Hexavalent (µg/l) (f)	0.35	0.12 - 0.58	MCL = 10	0.02	-
Chromium, Total (µg/l) (g)	0.6	0.6	MCL = 50	(100)	-
Cobalt, Total (µg/l)	2.6	2.6	-	-	-
Molybdenum (µg/l)	1.7	1.7	-	-	-
Strontium (µg/l)	570	570	-	-	-
Vanadium (µg/l)	3.5	3.5	50	-	-

ADDITIONAL UNREGULATED CHEMICALS OF INTEREST							
CONSTITUENTS AND UNITS	SFSWUA GROUNDWATER		MWD SURFACE WATER		MCL	PHG	SOURCES IN DRINKING WATER
Tested in 2015	AVERAGE	RANGE	AVERAGE	RANGE			
Alkalinity (mg/l as CaCO3)	180	150 - 230	126	123 - 129	-	-	Runoff/leaching from natural deposits
Calcium (mg/l)	91	73 - 110	78	77 - 78	-	-	Runoff/leaching from natural deposits
Magnesium (mg/l)	16	12 - 19	27	26 - 28	-	-	Runoff/leaching from natural deposits
pH (standard unit)	7.8	7.6 - 8.2	8.1	8.1	-	-	Runoff/leaching from natural deposits
Sodium (mg/l)	73	48 - 95	100	97 - 102	-	-	Runoff/leaching from natural deposits
Total Hardness (mg/l as CaCO3)	300	230 - 360	300	296 - 304	-	-	Runoff/leaching from natural deposits
Total Organic Carbon (mg/l)	NR	NR	2.6	2.4 - 2.8	TT	-	Naturally-occurring organic materials

METROPOLITAN WATER DISTRICT SURFACE WATER FILTRATION TREATMENT (WEYMOUTH PLANT)				
Turbidity Combined Filter Effluent Treatment Technique (TT) tested continuously	TT	Turbidity Measurements	TT Violation?	Typical Source
1) Highest single turbidity measurement	0.3 NTU	0.05	No	Runoff
2) Percentage of samples less than 0.3 NTU	95%	100%	No	Runoff
Turbidity is a measure of the cloudiness of the water, an indication of particulate matter, some of which might include harmful microorganisms.				
Low turbidity in Metropolitan’s treated water is a good indicator of effective filtration. Filtration is called a “treatment technique.” A treatment technique is a required process intended to reduce the level of contaminants in drinking water that are difficult and sometimes impossible to measure directly.				

FOOTNOTES

- (a) Running annual average used to calculate MCL compliance
(b) Maximum Residual Disinfectant Level (MRDL)
(c) Maximum Residual Disinfectant Level Goal (MRDLG)
(d) 90th percentile from the most recent sampling
(e) Aluminum has primary and secondary standards

(f) Hexavalent chromium is regulated with an MCL of 10 µg/l but was not detected in MWD surface water and in the distribution system, based on the detection limit for purposes of reporting of 1 µg/l. Hexavalent chromium was included as part of the unregulated chemicals requiring monitoring.

(g) Total chromium is regulated with an MCL of 50 µg/l but was not detected, based on the detection limit for purposes of reporting of 10 µg/l. Total chromium was included as part of the unregulated chemicals requiring monitoring.

Why Do I See So Much Coverage in the News About the Quality of Tap Water and Bottled Water?

All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline (1-800-426-4791). You can also get more information on tap water by logging on to these helpful web sites: <https://www.epa.gov/your-drinking-water> (USEPA web site) or http://www.waterboards.ca.gov/drinking_water/cert/cdrinkingwater/publicwatersystems.shtml (DDW web site).

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- Microbial contaminants, including viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife;
- Inorganic contaminants, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming;
- Pesticides and herbicides, that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses;
- Organic chemical contaminants, including synthetic and volatile organic chemicals, that are byproducts of industrial processes and petroleum production, and can also come from gasoline stations, urban stormwater runoff, agricultural application, and septic systems;
- Radioactive contaminants, that can be naturally-occurring or be the result of oil and gas production and mining activities.

What Are Water Quality Standards?

In order to ensure that tap water is safe to drink, the USEPA and the DDW prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. DDW regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

The chart in this report shows the following types of water quality standards:

- Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.
- Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial pathogens.
- Primary Drinking Water Standard: MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements and water treatment requirements.
- Regulatory Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
- Notification Level (NL): An advisory level which, if exceeded, requires the drinking water system to notify the governing body of the local agency in which users of the drinking water reside (i.e. City Council, County Board of Supervisors).

What is a Water Quality Goal?

In addition to mandatory water quality standards, USEPA and DDW have set voluntary water quality goals for some contaminants. Water quality goals are often set at such low levels that they are not achievable in practice and are not directly measurable. Nevertheless, these goals provide useful guideposts and direction for water management practices. The chart in this report includes three types of water quality goals:

- Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the USEPA.
- Maximum Residual Disinfectant Level Goal (MRDLG): The level of a disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
- Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

TERMS USED IN THIS REPORT

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (USEPA).

Public Health Goal (PHG): California Public Health Goal; The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Regulatory Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

mg/l = milligram per liter or parts-per-million;
pCi/L = picoCuries per liter;
NTU = nephelometric turbidity units; µmho/cm = micromhos per centimeter;
TT = treatment technique;
NL = Notification Level;
< = average is less than the detection limit for reporting
ND: not detectable at testing limit
NR = not required to be tested;

ppm: parts per million or milligrams per liter (mg/L)
ppb: parts per billion or micrograms per liter (ug/L)
ppt: parts per trillion or nanograms per liter (ng/L)
pCi/L: picocuries per liter (a measure of radiation)
µS/cm: a measure of specific conductance
µg/l = microgram per liter or parts-per-billion

Source Water Assessment

An assessment of the drinking water sources for the City of Whittier was completed in December 2002. The assessment concluded that the City of Whittier's sources are considered vulnerable to the following activities or facilities associated with contaminants detected in the water supply: research laboratory, known volatile organic chemical contamination plumes, and parking lots/mall. In addition, the sources

are considered most vulnerable to the following activities or facilities not associated with contaminants detected in the water supply: research laboratories and parks. A copy of the complete assessment is available at the City of Whittier Water Division at 13230 East Penn Street, Whittier, California 90602. You may request a summary of the assessment to be sent to you by contacting the City of Whittier Customer Service Department at (562) 567-9530.



How Can I Participate in Decisions On Water Issues That Affect Me?

The public is welcome to attend City Council meetings on the second and fourth Thursday of each month at 6 p.m. at City Hall, 11710 East Telegraph Road, Santa Fe Springs.

How Do I Contact My Water Agency If I Have Any Questions About Water Quality?

If you have specific questions about your tap water quality, please contact Frank Beach, Utility Services Manager at (562) 868-0511, extension 7568.

Este informe contiene información muy importante sobre su agua potable. Para mas información ó traducción, favor de contactar a Mr. Frank Beach, Gerente de Servicios de Utilidad al (562) 868-0511.

Visit us on the web at: www.santafesprings.org

APPENDIX K

City of Santa Fe Springs

Resolution 5592

RESOLUTION NO. 5592

A RESOLUTION OF THE CITY COUNCIL
OF THE CITY OF SANTA FE SPRINGS REVISING
RESOLUTION NO. 5570
AN EMERGENCY WATER CONSERVATION PLAN

WHEREAS, there exists a shortage of water supply due to insufficient rainfall during the past several years; and

WHEREAS, Section 23-3 of the City Code empowers the City to ration or apportion water by reason of a shortage of water supply; and

WHEREAS, the State Water Code provides that the City may declare a water shortage emergency condition to prevail upon making certain findings; and

WHEREAS, the Rules and Regulations set forth below will be implemented only upon the making by the City Council of the findings required by the State Water Code,

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF SANTA FE SPRINGS DOES RESOLVE AS FOLLOWS:

Section 1: An Emergency Water Conservation Plan is hereby established, as follows:

PART 1 - DEFINITIONS - WORDS, TERMS AND PHRASES

ACTIVE OR OPEN ACCOUNT: An account for which a customer has signed and is being billed for water service.

APPLICANT: Any person requesting potable, fire, or reclaimed water service, service installation, main extensions, or any other service performed by the Department or its authorized agent.

BASE: The amount of potable water used during the corresponding billing period of the previous year.

BILLING PERIOD: The time interval between two consecutive meter readings which are taken for billing purposes.

BILLING UNIT: 100 cubic feet of water, equivalent to 748 gallons.

BLIND SERVICE: An existing water service connection on which the meter has not been set or has been removed.

COST: The actual cost to the Department, including all labor, material, supplies, equipment and miscellaneous items, together with any applicable indirect and general charges, plus administrative overhead, in accordance with the accounting practices of the Department.

CUSTOMER: A person in whose name service is rendered as evidenced by the signature on the application, contract or agreement for service, or, in the absence of assigned instrument, by the receipt and payment of bills for such service regularly issued in such person's name regardless of the identity of the actual user of such service.

DEPARTMENT: The Public Works Department of the City of Santa Fe Springs.

FIRE SERVICE CONNECTION: A facility for the delivery of water to a permanent location to supply a customer-owned fire sprinkler system.

FLOW RESTRICTING DEVICE OR FLOW RESTRICTOR: Fitting inserted into the service connection to reduce flow capacity.

HISTORIC BASE PERIOD: The twelve-month period preceding the month a water shortage emergency is declared. The Department may adjust the Base Period to compensate for previous documented conservation efforts.

INACTIVE OR CLOSED ACCOUNT: An account which is not signed for and has no current customer. The account remains in the billing system, and can be reactivated upon application.

MAIN: A water pipeline located in streets, highways, public ways, thoroughfares, or private rights-of-way, and used to serve the general public.

PERSON: Any individual, partnership, corporation, agency or other organization operating as a single entity.

POTABLE SERVICE CONNECTION: A facility for the delivery of potable water to a permanent location for domestic, commercial or industrial use, including water for fire protection purposes.

POTABLE WATER: Water suitable for drinking and other general water supply purposes.

PREMISES: Integrated land areas, including improvements thereon, undivided by public thoroughfares or water distribution mains of the Department and where all parts thereof are operated under the same management and for the same purpose.

QUANTITATIVE CHARGE: That portion of the charge for water service for the amount of water registered on the water meter(s) serving the premises.

RECLAIMED WATER: Treated wastewater suitable for landscape irrigation in accordance with the California Administrative Code, Title 22.

RECLAIMED WATER SERVICE CONNECTION: A facility for the delivery of reclaimed water to a permanent location.

SERVICE CHARGE: That portion of the charge for water service which is a fixed amount related to the size of the service.

SERVICE CONNECTION CHARGE: The charge payable by the applicant for the installation of a potable, fire, reclaimed, or temporary service connection.

SERVICE RECONNECTION OR RESTORATION: Reestablishment of water service after discontinuance of service for any reason.

TEMPORARY SERVICE: Water service for construction work or other uses as deemed feasible by the Department, such that service is required for only a limited time.

WATER SERVICE: The availability of potable or reclaimed water to a premises through the facilities of the Department and any water supplied through such facilities.

WATER SERVICE LATERAL: The pipe and appurtenances necessary to conduct water from the distribution main to and through the meter, or to the shut-off valve on an unmetered service connection where connection is made with facilities of the customer.

WATER SUPPLY SYSTEM: The works and auxiliaries for collection, storage, treatment and distribution of water from the source of supply to the point of connection with the customer's facilities.

PART 2 - EMERGENCY WATER CONSERVATION PLAN

A. **SCOPE:** There is hereby established a City of Santa Fe Springs Emergency Water Conservation Plan.

B. **PURPOSE:** Upon declaration by the City Council, after a noticed Public Hearing, that a water shortage emergency exists, this plan shall be implemented to provide a vehicle to protect public peace, health and safety by significantly and equitably reducing the consumption of potable water over an extended period. The plan shall remain in effect until the Council declares the water shortage emergency has ended.

C. APPLICATION: The provisions of the Conservation Plan shall apply to all customers and property receiving potable water from the City wherever situated, and shall also apply to all property and facilities owned, maintained, operated or under the jurisdiction of the various officers, boards, departments, or agencies of the City.

D. AUTHORIZATION: The various officers, boards, departments, and agencies of the City are hereby authorized and directed to immediately implement the applicable provisions of the Conservation Plan upon the effective date of the first implementation of Phase I or any Phase subsequent thereto.

E. WATER CONSERVATION PHASES: No customer of the City shall make, cause, use or permit the use of water from the City for residential, commercial, industrial, agricultural, governmental or any other purpose in a manner contrary to any provision of, or in an amount in excess of that use permitted by, the conservation phase then in effect pursuant to action taken by the City Council in accordance herewith. The City Council shall determine which phase is necessary to accomplish water conservation requirements, based on the severity of the water shortage emergency.

(1) Phase I. The following requirements apply to all customers during Phase I:

(a) There shall be no hose washing of walkways, driveways, or parking areas except as needed for sanitary or safety purposes.

(b) Water shall not be used to clean, fill or maintain levels in decorative fountains, unless a recirculating system is used.

(c) Restaurants or other public places where food is served or offered for sale, shall not serve drinking water to any customer, unless expressly requested.

(d) All water leaks shall be promptly repaired.

(e) Lawns and landscape areas shall not be watered between the hours of 10:00 a.m. and 4:00 p.m.

(2) Phases II through V.

(a) Prohibited Uses Applicable to All Customers. During Phases II through V, no customer of water shall use water contrary to the provisions of subsection (1).

(b) Maximum Percentage of Base Period Water Use Permitted. During Phases II through V, no customer or user of water shall use or permit the use of water from the City in an amount in excess of the following maximum percentages of the corresponding billing period of the historic base period:

<u>MAXIMUM ALLOWABLE PERCENTAGES OF BASE PERIOD</u>				
<u>CUSTOMER GROUP</u>	<u>PHASE II</u>	<u>PHASE III</u>	<u>PHASE IV</u>	<u>PHASE V</u>
HOSPITALS	100	100	95	90
CONVALESCENT HOMES	100	100	95	90
SCHOOLS	100	100	100	90
HOTELS AND MOTELS	90	90	90	85
OIL FIELD INJECTORS	80	75	70	65
ALL OTHERS	90	90	90	80

3. Exception. The prohibited uses of water provided for by subsection (a) of this section are not applicable to that use of water necessary for public health and safety or for essential governmental services such as police, fire, and other similar emergency services.

4. Exemptions. Single family residential customers shall not be required to reduce consumption below 20 billing units per month during Phase II; or below 19 billing units per month during Phase III; or below 17 billing units per month during Phase IV; or below 16 billing units per month during Phase V.

F. PHASE IMPLEMENTATION: The City Council shall implement or change any phase of this plan by resolution which shall be published in a local newspaper of general circulation. Phase I shall take effect upon such publication. Phases II through V shall take effect with the first billing period after adoption of a Resolution implementing said phases.

G. FAILURE TO COMPLY

1. For the first failure to comply with the plan, the Department shall notify the customer of the fact of such failure to comply for Phase I. Said notice may be included on or with the water bill.

2. For failure to comply with Phases II through IV of the plan, a surcharge of 10% of the total water bill shall be charged in addition to the regular water charges.

3. For failure to comply with Phase V of the plan, in addition to the regular rate, a minimum over usage charge of \$1.25 per 100 cubic feet for water used over the target quantity shall be charged.

4. For the second and all subsequent failures to comply with Phase V of the plan, a surcharge for the period of non-compliance shall be imposed as follows:

Second Violation (all customers)	\$1.25/100 cft over target quantity
Third Violation	\$2.00/100 cft over target quantity
Fourth Violation	\$4.00/100 cft over target quantity
All subsequent violations	\$10.00/100 cft over target quantity

*Note: Above surcharges are in addition to the regular water rates.

5. For a third or subsequent failure to comply with the plan, the Department may install, for a period of not less than 48 hours and until the customer satisfies the Department that failure to comply will not continue, a flow restricting device in the customer's water service connection at the premises. Said device shall restrict flow to one (1) gallon per minute capacity for services up to one and one-half (1-1/2) inch size, and comparatively sized restrictors for larger services. The surcharge and the charge for installing and removing the flow restricting device shall be paid prior to removal and costs shall be determined by the Department based upon estimated costs to install and remove the device.

6. Any customer tampering with or removing a flow restriction device will have water service discontinued for a period of not less than 24 hours and until the customer satisfies the Department that failure to comply will not continue.

H. NOTICES

1. Except as otherwise provided in this section, any notice required by this Conservation Plan to be given to a customer for failure to comply with the provisions hereof may be given to the customer personally, on the customer's water bill, or by regular mail addressed to the billing address of the customer. Said notice, in addition to setting forth the fact of the customer's failure to comply with the applicable provision or provisions of the Conservation Plan and any proposed action to be taken by the Department for such failure to comply, shall inform the customer of his right to file for an exemption or a hearing before the City Manager and the procedure to be followed to obtain such hearing.

2. If water service to a customer is to be discontinued for any period of time in accordance with the provisions of this Conservation Plan, notice thereof shall be given by the Department to the customer in the following manner:

- (a) By personal service thereof on said customer; or
- (b) If said customer be absent from his place of residence and from his known place of business, by leaving a copy thereof with some responsible person at either place and sending a copy thereof by regular mail addressed to said customer at his billing address; or
- (c) If such place of residence and business cannot be ascertained, or such responsible person cannot be found there, then by (1) affixing a copy thereof in a conspicuous place on the property where the failure to comply is occurring, (2) delivering a copy thereof to a person there residing, if such person can be found, and (3) sending a copy thereof by regular mail addressed to said customer at his billing address.

I. RELIEF FROM COMPLIANCE

1. Administrative Hearing. A customer notified of failure to comply with this plan shall have the right to a hearing by the City Manager or his designee, provided that a written request for hearing is filed by the customer within 15 days after receipt of notice of failure to comply. The hearing shall be held within 15 days after receipt of the request therefor. In determining whether relief shall be granted, the City Manager shall take into consideration all relevant factors including, but not necessarily limited to the following:

- (a) Whether any additional reduction in water consumption will result in unemployment;
- (b) Whether additional members have been added to the household;
- (c) Whether any additional landscaped property has been added to the property subsequent to the Historic Base Period;
- (d) Changes in vacancy factors in multi-family housing;
- (e) Increased number of employees in commercial, industrial and governmental offices;
- (f) Water uses during new construction and increased production requiring increased process water;
- (g) Adjustments to water use caused by emergency health or safety hazards;
- (h) First filling of a permit-constructed swimming pool;
- (i) Water use necessary for reasons related to family illness or health;

- (j) Previous water conservation measures which affect the base figures.

A written decision shall be given to the customer personally or by mail, and shall be final except for judicial review.

2. Exemptions. Customers may apply for exemptions to this resolution. The City Manager or his designee may grant exemptions taking into consideration factors outlined in Section I, 1 a-j herein. If exemptions are granted, customers shall pay applicable drought overuse charges, but will not be subject to violations. Phase I requirements will remain in force (Part 2, Section E-1).

3. Exemption Application Fees. Applicants for exemptions shall pay a fee as follows: Residential \$5.00 - All others \$25.00. Fees shall be submitted with each application.

4. Reservation of Rights. The rights of the City hereunder shall be cumulative to any other right of the City to discontinue service. All monies collected by the City pursuant to any of the provisions of this Conservation Plan shall be deposited in the Water Revenue Fund as reimbursement for the City's costs and expenses of administering and enforcing this Conservation Plan.

J. GENERAL PROVISIONS

1. Reduction in Water Supplied. If any customer fails to comply with any provision of this Conservation Plan, the City may reduce the amount of water provided to that customer to the level which that customer would be using if he were complying with the provisions of this Conservation Plan. The provisions of this subsection shall be applied in lieu of, or in addition to, any of the other provisions of this Conservation Plan, in the discretion of the City, and shall be applied without regard to the status or nature of the customer.

2. Public Health and Safety Not to be Affected. Nothing contained in this Conservation Plan shall be construed to require the City to curtail the supply of water to any customer when, in the discretion of the Department or City Manager, such water is required by that customer to maintain an adequate level of public health and safety.

K. SEVERABILITY: If any section, subsection, clause or phrase in this Conservation Plan or the application thereof to any person or circumstances is for any reason held invalid, the validity of the remainder of the Conservation Plan or the application of such provision to other persons or circumstances shall not be affected thereby. The City Council declares that it would have passed this Conservation Plan and each section, subsection, sentence, clause, or phrase thereof irrespective of the fact that one or more sections, subsections, sentences, clauses, or phrases or the application thereof to any person or circumstances be held invalid.

L. CHARGES: The City shall impose the charges set forth herein.

Section 2: The City Clerk shall certify to the adoption of this Resolution.

APPROVED and ADOPTED this 12th day of September, 1991.


MAYOR PRO TEM

ATTEST:


CITY CLERK

APPENDIX L

City of Santa Fe Springs

Ordinance No. 1065

[Print](#)

Santa Fe Springs Code of Ordinances

CHAPTER 54: WATER CONSERVATION

Section

54.01 2015 water conservation regulations

§ 54.01 2015 WATER CONSERVATION REGULATIONS.

The regulations set forth in this section shall supersede any conflicting regulations contained elsewhere in this Code or contained in any previous action taken by the City Council, and such regulations shall remain in force and effect until the City Council takes an action to modify or rescind the implementation of these water conservation regulations.

(A) To prevent the waste and unreasonable use of water and to promote water conservation, each of the following actions is prohibited, except where necessary to address an immediate health and safety need or to comply with a term or condition in a permit issued by a state or federal agency:

(1) The application of potable water to outdoor landscapes in a manner that causes runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures.

(2) The use of a hose that dispenses potable water to wash a motor vehicle, except where a hose is fitted with a shut-off nozzle or device attached to it that causes it to cease dispensing water immediately when not in use.

(3) The application of potable water to driveways and sidewalks.

(4) The use of potable water in a fountain or other decorative water feature, except where the water is part of a recirculating system.

(5) The application of potable water to outdoor landscapes during and within 48 hours after measureable rainfall.

(6) The serving of drinking water other than upon request in eating or drinking establishments, including but not limited to restaurants, hotels, cafes, cafeterias, bars, or other public places where food or drink are served and/or purchased.

(7) The irrigation with potable water of ornamental turf on public street medians.

(8) The irrigation with potable water of landscapes outside of newly constructed homes and buildings in a manner inconsistent with regulations or other requirements established by the California Building Standards Commission and the Department of Housing and Community Development.

(B) To promote water conservation, operators of hotels and motels shall provide guests with the option of choosing not to have towels and linens laundered daily. The hotel or motel shall prominently

display notice of this option in each guestroom using clear and easily understood language.

(C) Residential and commercial landscape areas shall be watered no more than two times per week, for no more than ten minutes per area. Residential and commercial landscape areas shall not be watered between the hours of 8:00 a.m. and 8:00 p.m. Watering of landscape areas shall be permitted only on Mondays and Thursdays at properties located north of the centerline of Lakeland Road, and at those properties located within the triangle bounded by Florence Avenue on the north, I-5 on the west and the railroad tracks parallel to Ringwood Avenue on the east. Watering of landscape areas shall be permitted only on Tuesdays and Fridays at properties located south of the centerline of Lakeland Road.

(D) The taking of any action prohibited by this section, or the failure to take any action required by this section, is an infraction, punishable by a fine as set forth in Cal. Govt's Code § 36900, not to exceed \$500 for each day in which the violation occurs.

(Ord. 1065, passed 5-28-15)

APPENDIX M

Water Rates and Charges

RESOLUTION NO. 9360

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA FE SPRINGS, CALIFORNIA AMENDING WATER RATES AND CHARGES FOR FY 2011/12

The City Council of the City of Santa Fe Springs does hereby resolve as follows:

Section 1. The water rates and charges for the City set forth pursuant to Section 53-28 of the City Code, are hereby established as follows:

(a) Quantity Rates

First 1,800 cubic feet per month	\$2.86/100 cubic feet
Over 1,800 and up to 3,600 cubic feet/monthly	\$3.26/100 cubic feet
Over 3,600 and up to 10,000 cubic feet/monthly	\$3.73/100 cubic feet
Over 10,000 and up to 40,000 cubic feet/monthly	\$3.82/100 cubic feet
Over 40,000 cubic feet monthly	\$3.91/100 cubic feet

(b) Reclaimed Water Rates

First 1,800 cubic feet per month	\$2.76/100 cubic feet
Over 1,800 cubic feet & up to 25 acre feet/monthly	\$3.11/100 cubic feet
Over 25 and up to 50 acre feet per month	\$3.00/100 cubic feet
Over 50 acre feet per month	\$2.86/100 cubic feet

(c) Senior Citizen Lifeline Rate

Residential customers who can verify that they meet the following eligibility requirements will receive a 15% discount on the first 1,800 cubic feet of water used each month:

- Applicant must be at least 60 years old
- Applicant must be a full-time resident of the City water service area
- The water bill must be in the name of the applicant
- The property listed on the water bill must be the primary residence of the applicant
- The total combined annual gross income of applicant's household must not exceed 175% of Federal poverty guidelines

(d) Meter Service Charge

Per Meter Per Month

5/8 x 3/4	\$ 11.20
3/4 inch	\$ 11.20
1 inch	\$ 14.50
<u>Meter Service Charge</u>	<u>Per Meter Per Month</u>
1-1/2 inch	\$ 53.65
2 inch	\$ 75.00
3 inch	\$ 151.00
4 inch	\$ 199.00
6 inch	\$ 250.00
8 inch	\$ 332.00
10 inch	\$ 500.00

The service charge is applicable to all metered service. It is a readiness-to-serve charge to which is added to the consumption charge, computed at the quantity rates, for water used during the month.

(e)	<u>Fire Service Charge</u>	<u>Per Meter Per Month</u>
	2 inch DC	\$ 49.00
	4 inch DC	\$ 74.00
	6 inch DC	\$ 92.00
	8 inch DC	\$ 125.00
	10 inch DC	\$ 158.00

(f) Late Payment Charge

If any account becomes delinquent, the City shall impose a fifteen dollar (\$15.00) late payment charge.

(g) Reconnection Charge

Water service which has been shut off for failure to comply with any of the rules and regulations or to pay any rates, charges or penalties, as herein provided, shall not be restored until such rules and regulations and penalties have been complied with to the satisfaction of the City and payment is made of the amount due if any; and in addition thereto the amount of thirty dollars (\$30.00) shall be assessed for the expense of restoring water service for such occurrence.

(h) Unauthorized Turn-On Charge

In the event that a customer turns on their water service, or allows any person other than an authorized City employee to turn on their water service, after the water service has been turned off by the City, a charge of seventy-five dollars (\$75.00) shall be added to the bill for the affected service for the first occurrence in a six-month period, and one hundred and fifty dollars (\$150.00) shall be assessed for the second and each subsequent occurrence in a six-month period.

Section 2. The foregoing rates and charges shall apply to all water used after March 1, 2012

APPROVED and ADOPTED this 23rd day of February, 2012.

MAYOR

ATTEST:

CITY CLERK

RESOLUTION NO. 9522

**A RESOLUTION OF THE CITY COUNCIL
OF THE CITY OF SANTA FE SPRINGS, CALIFORNIA
AMENDING WATER RATES AND CHARGES FOR FY 2016/17**

The City Council of the City of Santa Fe Springs does hereby resolve as follows:

Section 1. The water rates and charges for the City set forth pursuant to Section 53-28 of the City Code, are hereby established as follows:

a. Quantity Rates

First 1,800 cubic feet per month	\$3.17/100 cubic feet
Over 1,800 and up to 3,600 cubic feet/monthly	\$3.62/100 cubic feet
Over 3,600 and up to 10,000 cubic feet/monthly	\$4.14/100 cubic feet
Over 10,000 and up to 40,000 cubic feet/monthly	\$4.24/100 cubic feet
Over 40,000 cubic feet monthly	\$4.34/100 cubic feet

b. Reclaimed Water Rates

First 1,800 cubic feet per month	\$3.06/100 cubic feet
Over 1,800 cubic feet & up to 25 acre feet/monthly	\$3.45/100 cubic feet
Over 25 and up to 50 acre feet per month	\$3.33/100 cubic feet
Over 50 acre feet per month	\$3.17/100 cubic feet

c. City Facilities Rate

City owned facilities will be charged 50% of domestic and reclaimed water rates.

d. Senior Citizen Lifeline Rate

Residential customers who can verify that they meet the following eligibility requirements will receive a 15% discount on the first 1,800 cubic feet of water used each month:

- Applicant must be at least 60 years old
- Applicant must be a full-time resident of the City water service area
- The water bill must be in the name of the applicant
- The property listed on the water bill must be the primary residence of the applicant
- The total combined annual gross income of applicant's household must not exceed 175% of Federal poverty guidelines.

e. Meter Service Charge

	<u>Per Meter Per Month</u>
5/8 x 3/4 inch	\$ 12.40
3/4 Inch	\$ 12.40

1 inch	\$	16.09
1-1/2 inch	\$	59.55
2 inch	\$	83.25
3 inch	\$	167.61
4 inch	\$	220.89
6 inch	\$	277.00
8 inch	\$	368.52
10 inch	\$	555.00

The service charge is applicable to all metered service. It is a readiness-to-serve charge to which is added to the consumption charge, computed at the quantity rates, for water used during the month.

f.	<u>Fire Service Charge</u>	<u>Per Meter Per Month</u>
	2 inch DC	\$ 54.40
	4 inch DC	\$ 82.14
	6 inch DC	\$ 102.12
	8 inch DC	\$ 138.75
	10 inch DC	\$ 175.38

g. Late Payment Charge

If any account becomes delinquent, the City shall impose a fifteen dollar (\$15.00) late payment charge.

h. Reconnection Charge

Water service which has been shut off for failure to comply with any of the rules and regulations or to pay any rates, charges or penalties, as herein provided, shall not be restored until such rules and regulations and penalties have been complied with to the satisfaction of the City and payment is made of the amount due if any; and in addition thereto the amount of thirty dollars (\$30.00) shall be assessed for the expense of restoring water service for such occurrence.

i. Unauthorized Turn-On Charge

In the event that a customer turns on their water service, or allows any person other than an authorized City employee to turn on their water service, after the water service has been turned off by the City, a charge of seventy-five dollars (\$75.00) shall be added to the bill for the affected service for the first occurrence in a six-month period, and one hundred and fifty dollars (\$150.00) shall be assessed for the second and each subsequent occurrence in a six-month period.

APPENDIX N

60-Day Notification Letters



11710 Telegraph Road • CA • 90670-3679 • (562) 868-0511 • Fax (562) 868-7112 • www.santafesprings.org

"A great place to live, work, and play"

June 3, 2016

County of Los Angeles
12400 Imperial Highway
Norwalk, CA 90650

Attention: Dean C. Logan, Registrar – Recorder / County Clerk

Subject: City Of Santa Fe Springs 2015 Urban Water Management Plan Update

Dear Mr. Logan:

The Urban Water Management Planning Act requires every urban water supplier to prepare and adopt an Urban Water Management Plan (UWMP) and periodically update that plan at least once every five years in years ending in five and zero. Pursuant to Section 10621(d) of the UWMP Act, each urban water supplier shall update and submit its 2015 UWMP to the California Department of Water Resources. The UWMP is a planning document and a source document to direct urban water suppliers to evaluate and compare their water supply and reliability to their existing water conservation efforts. City of Santa Fe Springs is currently in the process of preparing the 2015 UWMP Update.

As an urban water supplier, City of Santa Fe Springs is required pursuant to Section 10620(d)(2) of the UWMP Act to coordinate with water management agencies, relevant public agencies and other water suppliers on the preparation of the UWMP. City of Santa Fe Springs will be reviewing the UWMP and will make amendments and changes, as appropriate. The City of Santa Fe Springs invites you to submit comments in anticipation of the development of our 2015 UWMP Update.

Public input is encouraged and will be considered during finalization of the 2015 UWMP. If you would like further information or would like to provide written comments within the next 30 days to the City of Santa Fe Springs, please contact the Utility Services Manager Frank Beach at (562) 868-0511 or via email at frankbeach@santafesprings.org

Regards,

Noe Negrete, Director of Public Works
City of Santa Fe Springs

cc: Janet Martinez, Santa Fe Springs City Clerk

Richard J. Moore, Mayor ♦ William K. Rounds, Mayor Pro Tem
City Council
Jay Sarno ♦ Juanita Trujillo ♦ Joe Angel Zamora
City Manager
Thaddeus McCormack



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"A great place to live, work, and play"

June 3, 2016

City of Norwalk
12700 Norwalk Blvd
Norwalk, CA 90650

Attention: Mr. Michael Egan, City Manager

Subject: City Of Santa Fe Springs 2015 Urban Water Management Plan Update

Dear Mr. Egan:

The Urban Water Management Planning Act requires every urban water supplier to prepare and adopt an Urban Water Management Plan (UWMP) and periodically update that plan at least once every five years in years ending in five and zero. Pursuant to Section 10621(d) of the UWMP Act, each urban water supplier shall update and submit its 2015 UWMP to the California Department of Water Resources. The UWMP is a planning document and a source document to direct urban water suppliers to evaluate and compare their water supply and reliability to their existing water conservation efforts. City of Santa Fe Springs is currently in the process of preparing the 2015 UWMP Update.

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Public input is encouraged and will be considered during finalization of the 2015 UWMP. If you would like further information or would like to provide written comments within the next 30 days to the City of Santa Fe Springs, please contact the Utility Services Manager Frank Beach at (562) 868-0511 or via email at frankbeach@santafesprings.org

Regards,

Noe Negrete, Director of Public Works
City of Santa Fe Springs

cc: Janet Martinez, Santa Fe Springs City Clerk

Richard J. Moore, Mayor ♦ William K. Rounds, Mayor Pro Tem
City Council
Jay Sarno ♦ Juanita Trujillo ♦ Joe Angel Zamora
City Manager
Thaddeus McCormack



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"A great place to live, work, and play"

June 3, 2016

City of Downey
11111 Brookshire Ave
Downey, CA 90670

Attention: Mr. Gilvert A. Livas, City Manager

Subject: City Of Santa Fe Springs 2015 Urban Water Management Plan Update

Dear Mr. Livas:

The Urban Water Management Planning Act requires every urban water supplier to prepare and adopt an Urban Water Management Plan (UWMP) and periodically update that plan at least once every five years in years ending in five and zero. Pursuant to Section 10621(d) of the UWMP Act, each urban water supplier shall update and submit its 2015 UWMP to the California Department of Water Resources. The UWMP is a planning document and a source document to direct urban water suppliers to evaluate and compare their water supply and reliability to their existing water conservation efforts. City of Santa Fe Springs is currently in the process of preparing the 2015 UWMP Update.

As an urban water supplier, City of Santa Fe Springs is required pursuant to Section 10620(d)(2) of the UWMP Act to coordinate with water management agencies, relevant public agencies and other water suppliers on the preparation of the UWMP. City of Santa Fe Springs will be reviewing the UWMP and will make amendments and changes, as appropriate. The City of Santa Fe Springs invites you to submit comments in anticipation of the development of our 2015 UWMP Update.

Public input is encouraged and will be considered during finalization of the 2015 UWMP. If you would like further information or would like to provide written comments within the next 30 days to the City of Santa Fe Springs, please contact the Utility Services Manager Frank Beach at (562) 868-0511 or via email at frankbeach@santafesprings.org

Regards,

Noe Negrete, Director of Public Works
City of Santa Fe Springs

cc: Janet Martinez, Santa Fe Springs City Clerk

Richard J. Moore, Mayor ♦ William K. Rounds, Mayor Pro Tem
City Council
Jay Sarno ♦ Juanita Trujillo ♦ Joe Angel Zamora
City Manager
Thaddeus McCormack

APPENDIX O

Notices of Public Hearing

APPENDIX P

Resolution Adopting Plan



City of Santa Fe Springs

City Council Meeting

June 22, 2017

APPROVAL OF MINUTES

Minutes of the May 25, 2017 Regular City Council Meeting

RECOMMENDATION

Staff recommends that the City Council:

- Approve the minutes as submitted.

BACKGROUND

Staff has prepared minutes for the following meeting:

- May 25, 2017

Staff hereby submits the minutes for Council's approval.

A handwritten signature in black ink, appearing to read "Thaddeus McCormack", is written over a horizontal line.

Thaddeus McCormack
City Manager

Attachment:

Minutes for May 25, 2017



APPROVED:

MINUTES OF THE MEETINGS OF THE CITY COUNCIL

May 25, 2017

1. **CALL TO ORDER**

Mayor Rounds called the meeting to order at 6:04 p.m.

2. **ROLL CALL**

Members present: Councilmembers/Directors: Moore, Trujillo, and Zamora, Mayor Pro Tem/Vice Chair Sarno and Mayor Rounds.

Members absent: None

Janet Martinez, City Clerk announced that the Members of the Public Financing Authority and Water Utility Authority receive \$150 for their attendance at meetings.

PUBLIC FINANCING AUTHORITY

3. **CONSENT AGENDA**

Approval of Minutes

- a. Minutes of the April 27, 2017, Public Financing Authority Meeting

Recommendation: That the Public Financing Authority approve the minutes as submitted.

Monthly Reports

- b. Monthly Report on the Status of Debt Instruments Issued through the City of Santa Fe Springs Public Financing Authority (PFA)

Recommendation: That the Public Financing Authority receive and file the report.

It was moved by Council Member Trujillo, seconded by Mayor Pro Tem Sarno, approving Item No 3A and 3B, by the following vote:

Ayes: Moore, Trujillo, Zamora, Sarno, Rounds

Nays: None

WATER UTILITY AUTHORITY

4. **CONSENT AGENDA**

Approval of Minutes

- a. Minutes of the April 27, 2017, Water Utility Authority Meeting

Recommendation: That the Water Utility Authority:

- Approve the minutes as submitted.

Monthly Reports

- b. Monthly Report on the Status of Debt Instruments Issued through the Water Utility

Authority (WUA)

Recommendation: That the Water Utility Authority receive and file the report.

c. Status Update of Water-Related Capital Improvement Projects

Recommendation: That the Water Utility Authority receive and file the report.

It was moved by Council Member Zamora, seconded by Council Member Moore, approved items 4A, 4B & 4C, by the following vote:

Ayes: Moore, Trujillo, Zamora, Sarno, Rounds

Nayes: None

PUBLIC HEARING

5. Resolution No. 9546 - 2015 Urban Water Management Plan

Recommendation: That the City Council:

- Open the Public Hearing and hear from anyone wishing to speak on the matter and thereafter close Public Hearing;
- Adopt Resolution No. 9546 approving the 2015 Urban Water Management Plan; and
- Authorize the Executive Director to submit the 2015 UWMP to the California Department of Water Resources.

City Manager McCormack announced that due to the short amount of time Council had to review this item, he is recommending to have Council continue item no. 5.

City Attorney Skolnik announced that Council would need to open the Public Hearing and have Council make a motion to continue the item to the next regular meeting.

Mayor Rounds opened the Public Hearing at 6:05 p.m.

There were no public speakers.

Mayor Round closed the Public Hearing at 6:05 p.m.

It was moved by Council Member Moore, seconded by Mayor Pro Tem Sarno, to continue the Public Hearing item to the next regular City Council Meeting of June 8, 2017, by the following vote:

Ayes: Moore, Trujillo, Zamora, Sarno, Rounds

Nayes: None

CITY COUNCIL

6. **CITY MANAGER REPORT**

City Manager McCormack noted that he spoke with Gerardo Pozos, Council Member from Navojoa, MX to attend the fiestas patrias on September 8, 2017. Also noted, he extended the invitation to Gerardo's father.

He also spoke about AB1250, stating this bill would prohibit cities from contracting out for services; he noted Mayor Rounds opposed AB1250.

City Attorney Skolnik added that the individual that brought forward the bill is a Lakewood resident and currently Lakewood council opposes the bill as well.

City Manager McCormack also spoke in regards to the Gold Line Washington Boulevard contract, he noted it has a revised route that would go through East LA and the Citadel in Commerce.

Last, he announced that City hall will be closed Monday in commemoration of Memorial Day.

CONSENT AGENDA

7.

Approval of Minutes

a. Minutes of the April 27, 2017 City Council Meetings

Recommendation: That the City Council:

- Approve the minutes as submitted.

It was moved by Council Member Trujillo, seconded by Council Member Moore, approved the minutes of the April 27, 2017 City Council Meetings, by the following vote:

Ayes: Moore, Trujillo, Zamora, Sarno, Rounds

Nays: None

NEW BUSINESS

8. Consideration of Extending an Exclusive Negotiating Agreement By and Between the City of Santa Fe Springs and Dellan 1 Inc., Mike Patel and Sharad R. Patel for Development of Hotel or Hotels within the City of Santa Fe Springs

Recommendation: That the City Council:

- Authorize the Mayor or designee thereof, to execute all documents and take any actions necessary and appropriate to extend, for an additional 210 days, the Exclusive Negotiating Agreement with Dellan 1 Inc., Mike Patel and Sharad R. Patel for Development of a Hotel or Hotels within the City of Santa Fe Springs.

It was moved by Council Member Zamora, seconded by Council Member Moore, to authorize the Mayor or designee thereof, to execute all documents and take any actions necessary and appropriate to extend, for an additional 210 days, the Exclusive Negotiating Agreement with Dellan 1 Inc., Mike Patel and Sharad R. Patel for Development of a Hotel or Hotels within the City of Santa Fe Springs, by the following vote:

Ayes: Moore, Trujillo, Zamora, Sarno, Rounds

Nays: None

Mayor Rounds recessed the meetings at 6:09 p.m.

Mayor Rounds convened the meeting at 7:07 p.m.

9. INVOCATION

Invocation was led by Mayor Pro Tem Sarno.

10. PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was led by Alyssa Rodela and Grace Flores from Santa Fe Springs Christian School.

11. INTRODUCTIONS

- Representatives from the Chamber of Commerce: Debbie Baker from Simpson Advertising, Inc., Chamber CEO Kathie Fink and Rick Landis from Santa Fe Springs Swap Meet.

12. ANNOUNCEMENTS

The Youth Leadership Committee Members made the following announcements:.

- Kick-Off Party, Friday, June 2, 2017 at 6:00 p.m.
- Get Acquainted Cook Out, Friday, June 13, 2017 at 3:00 p.m.

13. PRESENTATIONS

- a. Recognition of 60th Anniversary Celebration Sponsors
- b. Recognition of 2017 Santa Fe Springs Art Fest Sponsors
- c. Proclaiming May 31, 2017 as "National Senior Health & Fitness Day" in the City of Santa Fe springs
- d. Presentation to the City Council by Lake Center Middle School
- e. Introduction of the 2017 Memorial Scholarship Program Recipients
- f. Santa Fe Springs Chamber's Youth Enrichment Fund Poster Contest Winners and Destiny Scholarship/Powell Grant Recipients
- g. Recognition of Giovanna Wheels on their 20th Year in Santa Fe Springs

14. APPOINTMENTS TO BOARDS, COMMITTEES, COMMISSIONS

- a. Committee Appointments
There were no appointments made by Council.

15. ORAL COMMUNICATIONS

Janet Rock, Little Lake City School District Member spoke during oral communications.

16. EXECUTIVE TEAM REPORTS

- Noe Negrete, Public Works Director spoke about the bridge trestle that was recently finished. He thanked Public Works staff that worked hard to finish he project. He also announced that next week, Wednesday, May 31 at Jersey Elementary School there will be a Tree Planting Ceremony at 10:30 a.m.
- Wayne Morrell, Director of Planning spoke about today's ALDI's grand opening.
- Dino Torres, Director of Police Services spoke about last week being law

Minutes of the May 25, 2017 Public Finance Authority, Water Utility Authority, Housing Authority, Successor Agency and City Council Meetings

enforcement week and went to several schools. He also demonstrated pictures of all the activities that occurred at the school in honor of law enforcement week; thanked all the elementary schools for allowing them to participate with the children.

- Mike Crook, Fire Chief spoke in regards to having the Fire Fighters at Carmenita raising money, they raised \$25,000, thanked the community for their support. June 1st CPR.
- Finance Director reminded everyone about being aware of ransomware and being mindful of opening certain emails.
- Maricela Balderas, Community Services Director, spoke in regards to the Library program, such as having a school reading the most books; the 11th annual battle of the books and announced that the library is going to be hosting Jeff Rene showing how to cook vegetarian food.

The following comments were made by the City Council:

- Mayor Pro Tem Sarno thanked the whole council for the past weekend and their collaboration at RECON.
- Council Member Trujillo noted that every year the council attends RECON; she stated that everyone collaborated and brought back ideas on what businesses to bring to Santa Fe Springs. Thanked Wayne Morrell for supporting them.
- Council Member Zamora thanked everyone and thanked Wayne for his work he has done for the City, demonstrating the importance of the community. He also reminded everyone about Memorial weekend.
- Council Member Moore provided a brief explanation about the RECON meeting and what it is about. He noted Council goes as a seller to sell City properties to businesses that were present at the convention. Thanked the Council for their cooperation.
- Mayor Rounds thanked Council Member Moore for explaining the RECON meeting. He noted that for years he has been attending these conventions, and note there were more buyers that were interested.

ADJOURNMENT

Mayor Rounds adjourned the meeting at 8:28 p.m. to 5:00 p.m. on June 8, 2017 in memory of recently deceased La Canada Flintridge Council Member, David Spence.

William K. Rounds
Mayor

ATTEST:

Janet Martinez
City Clerk

Date



NEW BUSINESS

Award of Contract - Planning Services on an As-Needed Basis

RECOMMENDATIONS: That the City Council:

- Award a contract to Sagecrest Planning + Environmental, in an amount not to exceed \$350,000, to provide Planning Services on an as-needed basis.
- Authorize the Mayor or designee to execute an Agreement with Sagecrest Planning + Environmental to provide Planning Services on an as-needed basis.

BACKGROUND

At its meeting of July 25, 2013, the City Council awarded a contract to the Lilley Planning Group to provide planning services on an as-needed basis. At the July 25, 2015, City Council meeting, the contract was extended for an additional two years, until July 30, 2017. Several months prior to contract expiration, Staff contacted the Lilley Planning Group (LPG) regarding an additional two year extension at the same hourly rate and service. Staff was presented with a new adopted fee schedule from LPG, with the notation that these are standard fees and cannot be reduced at this time. The adopted fee schedule, however, showed that the hourly rate, for the two contract planners assigned to the City, would be increased: five dollars an hour for the Assistant Planner and ten dollars an hour for the Associate Planner. This new hourly rate would be at an additional cost to the City of \$52,200 a year, if the service was to be extended. Not having budgeted for the additional cost, Staff again asked the LPG if they would consider keeping the same hourly rate for at least one more year, consistent with the one year term remaining of a two-year budget cycle. The LPG was unable to.

Staff is very pleased with its two assigned contract planners and do not want to lose them. Since being assigned to the department, they have provided services consisting of, but not limited to: reviewing and processing land use/planning entitlements; writing staff reports with recommendations for Planning Commission and City Council; reviewing projects for compliance with the California Environmental Quality Act (CEQA); reviewing business licenses, site plan and design review, including architectural review; processing Zoning Code Amendments; representing the City at various agency and organization meetings; attending meetings of the City Council, Planning Commission, City staff, public officials, community leaders, developers, contractors and the general public as needed; and staffing public information counter; conducting planning site inspections; monitoring and evaluating agreements and conditions of approval for implementation. They have seamlessly fit into the department and have assisted in alleviating the work load of the planning staff.

Although the two contract planners had the option of remaining with the LPG and be paid a higher hourly rate, (though they would be assigned to another city if the City did not extend its contract with the LPG), they both expressed interest in remaining with the City, regardless of the company they would be contracted through.

One of the contract planner is the department's GIS expert. Unlike, may other cities, the City does not have its own GIS department nor a designated GIS person within its department. His expertise has proven invaluable in the creation of promotional materials for ICSC, generating promotional economic development materials, and responding to the inordinate amount of information requested by consultants and various local, State and federal agencies. The other has specialized expertise on Wireless Telecommunication Facilities (WTF) and is currently working on creating a WTF ordinance for the City that would replace the City's current one-page, antiquated WTF guidelines. Her knowledge would be instrumental as the City and many other jurisdictions are trying to address SB 649, which would prohibit local discretionary review of "small cell" wireless antennas, including equipment collocated on existing structures or located on new "poles, structures, or non-pole structures," including those within the public right-of-way and buildings.

Notwithstanding, on April 28, 2017, Staff issued a Request for Proposals (RFP) for As-Needed Planning Services. A total of four (4) proposals were received by the March 26, 2017, due date. All four firms were qualified to provide the services outlined in the RFP for As-Needed Planning Services. As a result, the proposals were then primarily evaluated based on the breakdown of the classification of the hourly rates for key personnel. The firm with the lowest hourly rate was Sagecrest Planning + Environmental. The scoring sheet is attached.

Staff is recommending that Sagecrest Planning + Environmental be awarded the contract for as-needed planning services primarily for two reasons: (1) there would be no disruption of planning services since the existing contract planners would be retained and, (2) there would be a cost savings of \$52,000, since the hourly rate would remain the same.

SAGECREST PLANNING + ENVIRONMENTAL

Sagecrest Planning + Environmental Planning Group has established an exceptional reputation for providing efficient and cost-effective municipal planning services for communities throughout California. Their network of contract planners offers clients the right tools and services to develop a practical yet innovative approach to address their particular planning and community development needs. They assist municipal governments with project management, policy and research analysis, land use and development regulations, negotiating development agreements, and updating General Plans, and Specific Plans. The Group also has specialized expertise in grant writing, design review, housing administration, engineering services, and economic development.

Other Considerations:

At a recent City Permit Processing Roundtable, the city of Anaheim, Fontana and Ontario were mentioned as "industry leaders" as it pertains to streamlining development permit processing. The City Permit Processing Roundtable is an initiative chaired by the City Manager, whereby developers, contractors, architects and brokers, who are experienced with the Santa Fe Springs/Los Angeles County permit process, are given a forum to provide direct feedback to the Director of Planning and the City Manager on improving the process. The City has always prided itself on being "business friendly". A big part of that has been trying to eliminate unnecessary red-tape and streamlining permit processes.

As a result of feedback from the City Permit Processing Roundtable, the City is considering implementing some notable features of the Anaheim process, including their on-line tracking and submittal system and their "concierge" service, whereby a point-person or single point of contact is appointed for each project. The designated project manager and company representative empowered to sign contracts on behalf of Sagecrest, until recently, worked for the city of Anaheim within their Planning Department. She is very familiar with the Anaheim process and such knowledge would be vital as the City moves forward in a productive, yet budget conscious way, to improve the timelines and ease of development permit processing.

FISCAL IMPACT

The fiscal impact to the City is projected to be up to \$350,000. The amount of \$350,000 will be appropriated for contractual services, specifically, for Sagecrest Planning + Environmental Planning Group, for the Fiscal Year 2017-18.

INFRASTRUCTURE IMPACT

There will not be any infrastructure impacts.



Thaddeus McCormack
City Manager

Attachments:

1. Summary of Hourly Rate for Key Personnel
2. Proposal from Sagecrest Planning + Environmental Planning Group
3. Professional Services Agreement

Summary of Hourly Rate for Key Personnel

SALARY COMPARISON CHART

Consultant Firm	Assistant Planner	Associate Planner	Senior Planner	Principal Planner	City Planner / Planning Manager
Sagecrest Planning+Environmental	\$ 55.00	\$ 65.00	\$ 75.00	\$ 90.00	\$ 100.00
Lilley Planning Group, Inc.	\$ 60.00	\$ 75.00			
MIG	\$ 75.00	\$ 95.00	\$ 120.00		
Westberg + White, Inc	\$ 95.00	\$ 105.00	\$ 135.00	\$ 190.00	\$ 230.00

Proposal for As-Needed Planning Services

Prepared for

**Wayne Morrell, Director of Planning
City of Santa Fe Springs
11710 East Telegraph Road
Santa Fe Springs, CA 90670**



Prepared by

SAGECREST
planning+environmental





May 25, 2017

Mr. Wayne Morrell, Director of Planning
City of Santa Fe Springs
11710 East Telegraph Road
Santa Fe Springs, CA 90670

A. Letter of Offer

Subject: Proposal for As-Needed Planning Services

Dear Mr. Morrell: The following information addresses the information request in the request for proposal for as-needed planning services (Section A):

Identification of Consultant:

Sagecrest Planning+Environmental
2400 East Katella Avenue, Suite 800
Anaheim, CA 92806
Office: (714) 783-1863

Contact Person:

Joshua Haskins, Principal
Sagecrest Planning+Environmental
2400 East Katella Avenue, Suite 800
Anaheim, CA 92806
jhaskins@sagecrest.us
Office: (714) 783-1863 x710
Mobile: (805) 509-3246

Sagecrest Planning+Environmental (Sagecrest) acknowledges that this Proposal shall remain valid for a period of not less than ninety (90) calendar days from the date of submittal.

Sincerely,

A handwritten signature in cursive script that reads "Joshua Haskins".

Joshua Haskins, Principal
Authorized to Bind the Consultant to term of the Proposal



May 25, 2017

Mr. Wayne Morrell, Director of Planning
City of Santa Fe Springs
11710 East Telegraph Road
Santa Fe Springs, CA 90670

B. Cover Letter/Executive Summary

Subject: Proposal for As-Needed Planning Services

Dear Mr. Morrell:

Thank you for the opportunity to submit a proposal in response to the City of Santa Fe Springs's request for on-call planning services. The team at Sagecrest Planning+Environmental has decades of experience providing planning services to communities throughout California.

Our accomplished staff is led by a team of principals, each with 15 to 28 years of experience providing planning services to municipalities. The planners within our firm began consulting after working in various planning positions for local jurisdictions. Our staff has expertise in discretionary case processing, code compliance, project management, customer service and environmental review.

Sagecrest delivers the highest level of service by providing proactive solutions, ongoing communication and dependable coordination. Our company is committed to adapting our services to your planning organization and complementing your services by becoming a member of your staff. As contract planners, we provide cost-efficient solutions for interim staff vacancies, technical expertise for special projects, and management of fluctuating workloads.

Sagecrest is a local Southern California based firm that focuses on Los Angeles and Orange Counties. This allows us to ensure that we are able to meet the needs of our clients and are accessible at a moment's notice. We are accustomed to being proactive and anticipating the needs of our clients and recommending practical solutions to complex planning issues. In addition, due to our efficient structure, we can be more competitive on price while adhering to stringent budgets and schedules.

Sagecrest acknowledges that we are obligated by all addenda of the request for proposals and that this proposal shall remain valid for a period of not less than ninety (90) calendar days from the date of submittal.

All information submitted with this proposal is true and correct. Sagecrest looks forward to your favorable review of our firm's proposal. If you require additional information or would like to further discuss our qualifications, please contact me directly at the phone numbers or email below.

Sincerely,

A handwritten signature in black ink, appearing to read "Joshua Haskins".

Joshua Haskins, Principal
Sagecrest Planning+Environmental
2400 East Katella Avenue, Suite 800
Anaheim, CA 92806
jhaskins@sagecrest.us
Office: (714) 783-1863 x710
Mobile: (805) 509-3246



C. Qualifications of the Firm

Sagecrest Planning + Environmental is a full service, professional planning firm providing on-site planning, land use, and environmental consulting to public agencies throughout California. We were founded in 2017, but our team of Principals is comprised of professional planners who have worked in the public sector for 15 to 28 years. We currently have 11 employees, but will be bringing more professional planners on board as we continue to grow. With considerable experience in Los Angeles and Orange Counties, the Sagecrest team has built strong working relationships with key staff, applicants and public officials. Our mission is to provide outstanding service at competitive rates to the clients and communities we serve while adding value and making a positive impression with each assignment. Because of our extensive experience and focus to provide planning staff to public agencies, Sagecrest is uniquely qualified to deliver high-quality on-call services. We have assembled an exceptional team of experienced planners. All of our staff has professional planning experience in the public sector, giving them a unique and thorough understanding of the processes we will be implementing and the challenges faced by planning departments. We employ highly qualified and experienced professionals whose skills, qualifications and previous responsibilities are a strong match to the needs of any agency. We ensure this by employing the following practices:

- Our clients have the opportunity to interview our staff before they are assigned.
- Our planners have experience working for public agencies prior to working with us, allowing them to integrate seamlessly into department operations.
- We know that our reputation is our most valuable asset. With that in mind we do not overcommit our staff and only accept work that our staff has the qualifications to perform.
- Our staff maintains ongoing professional development and we provide extensive training in project management, land use law, CEQA, writing and public presentations skills.
- We maintain regular office hours and are accessible and available whenever needed.
- We consistently meet departmental standards, including: deadlines, quality of work products, courtesy and accessibility, accuracy of reports and information given to the public, and responsiveness.

- We ensure we have a clear understanding of expectations and maintain consistent communication with our clients.
- We are committed to providing services that are cost effective while maintaining high standards of quality and productivity.

Sagecrest planners are integrated as part of City staff. Any office resources that a City employee would typically utilize to perform planning services would also be needed by our contract planners. For example we would utilize computers, individual work spaces, standard office supplies, etc.

Since all of our contract planners have worked in the public sector, we have the ability to bring that knowledge and experience to continually look for enhancements to city procedures. For example, Amy Vazquez was instrumental in launching a client city's "35 Day Expedited CUP Process." On the administrative side we are always looking for innovations to allow staff to spend more time assisting the client. Our streamlined administrative procedures include hours tracking via a smartphone application and utilization of secure cloud servers for team coordination.

Financial Condition

Our company does not have any pending litigation, has not declared bankruptcy, has no planned office closures and is not the subject of an impending merger. Further, our company has the financial resources needed to fund the payroll of our employees during the interim period when beginning the contract with Santa Fe Springs. Therefore, we have no financial conditions that would impede our ability to complete the services requested.

D. Proposed Staffing and Project Organization

Sagecrest Team Members (Resumes are included in attached Appendix):

Greg McCafferty, *Principal*

Greg's career spans over 29 years in the public and private sectors, having worked in all aspects of planning and environmental compliance. Greg has a proven track record managing planners in both local government and private settings. He has practical experience in the preparation and processing of environmental compliance documentation, general plans, specific plans, annexations, development agreements, reclassifications, subdivisions and other discretionary and ministerial permits. Greg has strong presentation skills and has represented both public and private sector clients at public hearings and community meetings. His exposure to a diverse range of project types allows him to develop specialized approaches tailored to each client's needs. In addition, Greg worked in the Anaheim Planning Department for 18 years and served as the Principal Planner. He will be responsible for leading the management team, strategic growth, client relations, quality assurance and administration.

Joshua Haskins, *Principal*

Joshua has over 15 years of experience in planning, zoning, CEQA, and project management. He has prepared and managed General Plan Amendments, Zone Changes, Conditional Use Permits (CUPs), Variances, and CEQA/NEPA documents including Initial Studies, Mitigated Negative Declarations (MNDs), (Environmental Impact Reports (EIRs), Environmental Assessments (EAs), and Environmental Impact Statements (EISs), for projects throughout southern California on behalf of federal, state, regional, and local agencies and private clients.

Amy Vazquez, *Contract Manager/Principal*

Amy has a passion for working with public agencies, developers and community members to create well-designed and sustainable communities. Amy has been managing a contract planning firm with a staff of over 50 contractors and employees since 2014. She has been involved in community outreach, project management and client relations. Amy takes pride in managing her team of planners who are skilled in working collaboratively with clients while providing professional insight and exceptional customer service. In addition, Amy has been working as a senior level contract planner in the City of Anaheim since May 2014. She is also board member of the Orange Section of the American Planning Association (APA). Amy's specialty is managing large scale development projects and expedited case processing. She was instrumental in helping launch the City of Anaheim's "35 Day Expedited CUP Process" process. Amy's role would be to manage all Sagecrest staff in Santa Fe Springs.

Greg Hastings, *Project Manager/Special Projects*

Greg has over 35 years of hands-on, wide ranging experience in land use planning and implementation. Greg was the former Planning Manager for Anaheim and has served as interim Planning Director for a number of Orange County cities. He is a respected and approachable leader with effective communication and conflict resolution skills. Greg's role would be to handle special projects on an on-call basis.

Wayne Carvalho, *Senior Planner*

Wayne has been a professional planner since 1991. His most recent experience includes entitlement processing for the City of Anaheim and the City of Huntington Beach. Wayne also serves as a member of the City of Fullerton Planning Commission. Wayne would perform contract services as a Senior Planner. As a Senior Planner he would be processing development applications and is also available for CEQA coordination.

Vanessa Norwood, *Senior Planner*

Vanessa is an experienced planner with over 20 years of municipal planning experience in current and advance planning, and previously worked as a planner for Riverside and Anaheim. She has experience managing mixed-use projects and the capability to coordinate multiple planning projects simultaneously in a timely and effective manner. Vanessa is available to perform contract services as a Senior Planner processing development applications.

Laurel Reimer, *Associate Planner*

Laurel has six years of experience in urban planning with over three years in the public sector focusing on entitlements, compliance, and meeting client needs through creative problem solving. She has worked in over 100 jurisdictions throughout the West Coast and thus understands government procedures, laws, ordinances and zoning. Laurel will be available immediately as an Associate Planner.

Jimmy Wong, *Assistant Planner*

Jimmy has a wide range of city planning related experience. This includes assisting at the public counter, reviewing applications for code compliance, permit processing, public notices, grant applications, and ensuring that all permits are processed in accordance with local and state requirements. As project planner he has also written and presented staff reports at Planning Commission and Design Review Board meetings. In the role of Assistant Planner, Jimmy will be available immediately.

Vicente Velasco, *Assistant Planner*

Vince recently graduated from Cal State Polytechnic University, Pomona. He has been serving the City of Santa Fe Springs as an intern since September 2015. Sagecrest would like to offer the services of Vince as an Assistant Planner. Vince would continue his role of project planner, conducting plan checks and assisting the public at the counter.

Minutes Clerk/Planning Administration

Sagecrest also provides experienced administrative services contract staff. Services include taking stenographic minutes of public hearings and/or transcribing minutes for official business meetings, ensuring that legal notices and hearing publications are prepared and posted in accordance with state law and city ordinances, and providing support services to city clerical staff.

E. Consultants and/or Sub-Consultants

Sagecrest is a full-service planning services and environmental firm. All of the staff members included in this proposal would be employees of Sagecrest. We do not propose the use of sub-consultants for this assignment.

We understand that the individuals represented as assigned to the Professional Services Agreement with Santa Fe Springs must remain working on the Agreement throughout the duration of the Agreement unless otherwise requested or approved by the City. Substitution of Key Personnel shall be allowed only with prior written approval of the City's Planning Director or designee.

F. Work Approach

The following discussion addresses the various technical services anticipated for the City of Santa Fe Springs. We include a brief description of each of our services and our approach. Our goal is to be responsive to the public at the counter and to our applicants during the processing of our assigned case files; to be thorough and comprehensive in the review of our assigned projects; to ensure compliance with all applicable codes and the California Environmental Quality Act; to write detailed staff reports and findings for each entitlement; to assemble all attachments and required graphics; to prepare and deliver informative and succinct presentations at public meetings; and to maintain ongoing coordination and communication with other staff members, departments and agencies. In order to accomplish these goals, our on-call contract services may include but are not limited to the following tasks:

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Review, analyze and evaluate discretionary case applications for consistency with City codes, policies and standards. | <p>We provide entitlement processing for general plan amendments, specific plans, reclassifications, CUPs, subdivision maps, variances and other discretionary and administrative applications.</p> <p>We are skilled project managers and work with applicants to help them find solutions to meet the code and conform to the City's general plan. We provide excellent customer service and are responsive to the needs of both the applicant and the City. We clearly explain the planning process, timelines, the need for technical studies, revisions to the project, and coordinate with other departments to ensure a successful outcome.</p> |
| 2. Utilize City electronic and paper files to research previous and/or related cases. | <p>All of our team members are skilled at reviewing the City's historical files, GIS and permit tracking systems, zoning code and other data and files to respond to inquiries at the public counter and to research cases related to proposed projects.</p> |
| 3. Prepare environmental assessments, including, but not limited to, Initial Studies and Negative Declarations, as may be required by the California Environmental Quality Act (CEQA). | <p>Our professional planners are well versed in current environmental law and documentation. Greg McCafferty Principal of the firm, was previously Anaheim's Environmental Coordinator. As such, we are qualified to prepare the required CEQA documentation for discretionary projects. Our staff is thorough in our approach and prepares documents that are defensible and meet all local, State and Federal requirements. We can prepare Initial Studies, Notices of Preparation, Negative Declarations, MNDs, EIRs and Mitigation Monitoring and Reporting Programs, and various other necessary CEQA documents. We have managed many consultant teams preparing these documents and bring our project management skills to add value to this work as well. Finally, we have reviewed and commented on numerous CEQA documents from outside organizations and adjacent agencies. We review these documents to ensure the City's needs are represented and comments and concerns are raised early and monitored throughout the entire CEQA review process.</p> |
| 4. Route plans to various City departments; consolidate | <p>Our firm specializes in providing effective and efficient on-call planning services to public agencies. This is our niche.</p> |

comments; resolve internal inconsistencies; and present recommendations and revisions to the applicant.

We are experienced in project management which entails routing plans to various City departments; consolidating comments; resolving internal inconsistencies; and presenting recommendations and revisions to the applicant. We understand our clients are looking for professional staff that understand the work and step into the assignments immediately and keep projects on track. Our planners fit seamlessly into the organization and operate as an extension of staff and can integrate fully into a variety of environments to fit the style, communication, and approach to meet the specific character of the client city. Our firm is committed to providing great customer service to other city departments, applicants and the public.

- 5. Prepare screen check comments, zoning letters, letters to applicants, presentations and staff reports. All services to be performed using City-approved forms and report formats.**

Our professional team has experience processing thousands of discretionary cases for many jurisdictions and has developed best practices to manage multiple projects deadlines, maintain responsiveness to applicants and the community, and prepare clear and concise staff reports and letters to applicants. We take time to thoroughly review each case to ensure we understand the history and the policies and procedures of the City. We draft our reports and make our recommendations with clear and accurate findings so appointed officials can easily come to a decision on a project.

- 6. Maintain communication with applicants, interested parties, property owners, homeowner associations, various governmental agencies, and other City departments. Respond to inquiries about projects from residents and applicants.**

Sagecrest takes pride in our communication and customer service skills. We are very skilled at working with applicants, interested parties, property owners, homeowner associations, various governmental agencies, and other City departments. We understand the needs and concerns of various stakeholders and we possess the communication skills needed to serve all of these various participants in the process. We integrate ourselves as members of the staff and collaborate very well with city planners and other city employees.

In addition, we quickly learn the frequently asked questions (i.e. business license, special events, building inspection requests, etc.) and we provide as much assistance as possible and help provide “one-stop- shopping” for questions and needs at the public counter.

- 7. Prepare notices for public meetings and hearings.**

Our planners understand the importance of preparing timely, clear, concise and accurate public notices. We are

experienced in preparing publications for the newspaper, posting on and/or near the project site and mailing notices to interested parties who may be affected by a proposed action.

8. Attend community meetings and public hearings as required and present items using MS PowerPoint to the Planning Commission and/or City Council.

Our planners have solid presentation skills and have presented development applications and reports to city councils, commissions, and community groups. We are often commended for the ability our staff has to take complex issues and present them in a way that is clear and concise. We are passionate about working with stakeholders on projects to communicate the direction of the City early in the process so they understand what the goals are and how to be a part of the ultimate solution.

9. Review grading and building plans for consistency with discretionary approvals and environmental mitigation, if applicable.

Plan checking is completed in accordance with conditions of approval associated with each discretionary approval and applicable codes, ordinances and standards adopted by the City.

10. Conduct site inspections to determine if the project has been completed in accordance with the final plans and specifications.

Inspecting a project site to determine compliance with approved plans is a common practice for Sagecrest planners. We believe that site inspections are also critical for case processing. Our planners diligently conduct site visits when a project is assigned, before any recommendation or internal staff meetings and before all public hearings. We also understand the importance of ensuring that the project has been completed consistent with approved plans and conditions of approval, prior to granting final zoning approval.

11. Manage the project schedule in accordance with the City's adopted timelines.

We proactively manage our caseload to ensure that all projects stay on schedule and in accordance with the City's adopted timelines. We coordinate with various city departments for comments and build relationships with department representatives to ensure good communication and coordination is maintained throughout the life of each project. We understand the importance to applicants of maintaining established timelines.

12. Maintain and close electronic and paper files in

We believe that proper records management and organization is crucial. Our planners have all worked for public agencies and understand the importance of working

accordance with City procedures.

diligently to maintain the public record, proper publications, filing, indexing, and safekeeping of all proceedings of the Planning Commission and City Council. We have experience working with the City Clerk to ensure the public record is kept permanently and in a manner in which retrieval is efficient.

- 13. The City will be responsible for compiling reports into agenda packets for appropriate reviewing authorities. In addition, the City will provide legal services in the review of applications.**

We understand this role of the city and our planners have experience working closely with clerical and city attorney staff to ensure that these tasks are completed in an efficient and timely manner.

- 14. All documentation prepared in conjunction with the above-described duties shall become the property of the City of Santa Fe Springs.**

Sagecrest planners understand the importance of maintaining an accurate and complete public record associated with each development application. As such, we are diligent in record keeping and proper archiving of case-related documentation.

- 15. Provide general administrative support services to Department of Planning, as directed.**

We also provide experienced administrative services contract staff. Services include taking stenographic minutes of public hearings and/or transcribing minutes for official business meetings, ensuring that legal notices and hearing publications are prepared and posted in accordance with state law and city ordinances, and providing support services to city clerical staff.

G. Client References

The team at Sagecrest includes a collaboration of managing principals and staff who have extensive experience in performing work of a similar nature to that solicited in this RFP.

Assignment Description	Term	Location	Client Contact
On-Call Planning Services	May 2014-present	City of Anaheim	Jonathan Borrego Planning Services Manager jborrow@anaheim.net (714) 765-5016
On-Call Planning Services	January 2015-November 2016	City of Riverside	Ted White City Planner twhite@riversideca.gov (951) 826-5108
On-Call Planning Services	December 2015-present	City of Huntington Beach	Jane James Planning Manager jjames@surfcity-hb.org (714) 536-5271
On-Call Planning Services	November 2016-present	City of San Clemente	Amber Gregg Senior Planner GreggA@san-clemente.org (949) 361-6184
CEQA and Planning Services	2012-2016*	City of Laguna Niguel	Leslie Roseberry Community Development Director lroseberry@cityoflagunaniguel.org (949) 362-4323
CEQA and Planning Entitlement Services	2015-2016	DR Horton	Todd Funk Director of Forward Planning South Coast / Inland Empire Division TFunk@drhorton.com (951) 739-5475 (office) (760) 535-6814 (mobile)
CEQA and Planning Entitlement Services	2014-2016	TriPointe Homes	Tom Grable Division President - Southern California Division Tom.Grable@TriPointeHomes.com (949) 478-8674 (office) (949) 378-3251 (mobile)
CEQA and Planning Entitlement Services	2013-2015	MBK Homes	Kye Evans Director of Acquisitions KyeEvans@mbk.com (949) 789-8389

*During this time, Leslie Roseberry was the Planning Manager at the City of Orange.

APPENDIX

Staff Resumes





Greg McCafferty

QUALIFICATION SUMMARY

Energetic and focused professional with public and private sector environmental planning experience. Strong motivational leader with ability to effectively lead multidisciplinary teams to achieve winning results. Confident communicator both orally and in writing. Ability to direct work of technical staff to meet city management expectations for quality, budget and schedule while upholding the highest standards of customer service. Strong servant leader skilled at mentoring and coaching staff to bring out their full potential while creating clear expectations and accountability. Strong consensus building skills and ability to outreach to diverse stakeholders and community groups. Skilled at preparing business plans and measuring results.

PROFESSIONAL EXPERIENCE

Development Advisors/Environmental Advisors

August 2012 - Present

Principal

Owner and principal of land use and environmental planning firms assisting public and private sector clients with project management, entitlement, advocacy, public outreach and planning associated with various development projects as well as CEQA documents and technical environmental studies. Clients include diverse market sectors such as residential and commercial development, education, water, utilities and alternative energy.

Chambers Group

March 2010 – July 2012

Director of Environmental Planning

Managed the company's Environmental Planning Department responsible for preparing environmental compliance documents pursuant to NEPA and CEQA, air quality and noise studies, GIS services and mitigation monitoring. Working in diverse market sectors including education, water, utilities, alternative energy, public works, and residential/commercial development. As part of the corporate team, prepared business plans, conducted business development and participated in quarterly and annual strategic planning meetings.

Sheldon Group

August 2007 – March 2009

Director of Planning

Responsible for the company's planning and environmental consulting services including but not limited to general plan amendments, specific plans, annexations, code amendments, overlay zones, conditional use permits, variances, environmental documents and project management/condition compliance. Participated in lobbying efforts with the president of the firm. The firm specialized in representing publicly-traded residential builders as well as smaller, privately held development companies

- Effectively represented clients throughout southern California with a one hundred percent project approval rate.
- Supervised project managers working on multiple projects under tight deadlines.
- Managed multi-disciplinary project teams on behalf of developer clients.
- Represented clients before planning commissions and city councils including PowerPoint presentations and briefing packets.
- Made presentations to community groups to address concerns and gain support.

City of Anaheim**February 1989 – July 2007*****Principal Planner***

Responsible for the daily operation and supervision of the Department's Zoning and Development review functions. This included the zoning counter, zoning plan check review, environmental review and condition compliance, Zoning Administrator and Planning Commission.

- Created a paperless Planning Commission agenda process from application stage through staff report preparation.
- Environmental Coordinator for the City's Planning, Public Works and Utilities Departments.
- Worked with Administrative Analyst to set up a fee recovery system to recover the costs associated with development review.
- As part of a multi-departmental team, lead an effort to create a new conceptual project review process with input from developers and the Building Industry Association.
- Oversaw implementation of the Platinum Triangle, a large mixed-use district near Angel Stadium.
- Supervised a staff of 11 planners and 4 clerical staff including performance evaluations.
- Staff representative at Planning Commission meetings.
- Worked as part of a team on a comprehensive update to general plan and zoning code.

EDUCATION

University of California, Los Angeles

Bachelor of Arts, Political Science (Specializing in Public Administration)



Joshua Haskins

PROFESSIONAL EXPERIENCE

Development Advisors/Environmental Advisors

June 2012 - Present

Anaheim, CA

Principal

- Navigate projects through the complex approval process of public agencies
- Negotiate/coordinate with city council members, county supervisors, planning commissioners, as well as city and county staff and speak before planning commissions and city councils
- Land Entitlement activities, including planning applications, code analysis, due diligence, planning and project management
- Drafting and coordination of environmental documents such as Environmental Impact Reports and Initial Studies

Chambers Group

June 2011 – May 2012

Santa Ana, CA

Environmental Planner

- Assisted public agencies and private sector clients with California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) compliance
- Prepared environmental documentation, coordinated focused technical studies, and provided comments on the adequacy of environmental documents prepared by others
- Prepared Initial Studies and Environmental Assessments, Negative Declarations, Mitigated Negative Declarations, and Findings of No Significant Impact, Environmental Impact Reports and Environmental Impact Statements, as well as Mitigation Monitoring Programs

Iger & Associates

January 2008 – May 2011

Irvine, CA

Vice President

- Lobbied/advocated on behalf of clients before government entities, elected and appointed officials, and staff within the Southern California area
- Conducted early political due diligence to help forecast timelines, likelihood of zoning change, and obstacles to approval prior to entitlement
- Coordination and creative oversight of digital marketing/outreach for clients, including website, email marketing, and social media

Porter Novelli

June 2006 – December 2007

Irvine, CA

Campaign Manager/Coordinator

- Implemented local community outreach programs, including public presentations, coalition building, and voter outreach from Ventura County to Riverside County
- Coordinated with local media, including letters to the editor, press releases, and media coverage
- Developed and coordinated messaging and campaign materials
- Recruited, trained, and supervised volunteers

DalyOwensGroup

Westlake Village, CA

Planner

November 2004 – June 2006

- Land use planning for complex projects, including mixed use, residential, commercial, and large master planned communities
- Project management for projects in Los Angeles and Ventura Counties
- Prepared specific plans and environmental impact reports
- Generated proformas, cost estimates, and other financial analyses
- Researched and analyzed land acquisition opportunities
- Public outreach and citywide campaigning

EDUCATION

Brown University, Providence, Rhode Island

Bachelor of Arts, Law and Public Policy

Bachelor of Arts, Political Science



AMY VAZQUEZ

Education

B.A. Environmental Analysis and Design
Minor, Urban & Regional Planning
June 2001, University of California, Irvine

Experience

Principal, Sagecrest Planning+Environmental, April 2017- Present

Manages a team of contract planners assigned throughout Southern California. Principal in charge of marketing and networking, client relations and staff retention. Drafts and submits proposals, participates in interviews and fulfills client requests for contract planning services. Assigned to the City of Anaheim for entitlement services.

Principal

Lilley Planning Group, January 2015-April 2017

Manages a team of over a dozen planners assigned throughout Southern California. Principal in charge of marketing and networking, client relations and staff retention. Drafts and submits proposals, participates in interviews and fulfills client requests for contract planning services.

Contract Planner

City of Anaheim, Planning Department, May 2014 -Present

Experienced project planner contracted with the City of Anaheim responsible for project management of expedited entitlements and complex development applications. Reviews and processes general plan amendments, reclassifications, subdivisions, annexations, conditional use permits and variances. Performs field inspections to gather data relevant to the development review process and/or to verify that development projects comply with approved plans. Schedules and conducts meetings with other city departments and elected officials. Presents reports and other findings to staff, Planning Commission, and City Council.

Senior Project Manager

The Sheldon Group, November 2006- January 2008

Coordinated complex development applications as a project manager with a variety of public and private sector clients. Drafted planning documents including specific plans and community outreach strategic plans.

Associate Planner

City of Anaheim, Planning Department, June 2001-November 2006

Performed professional work related to a variety of planning assignments. Reviewed and processed complex general plan amendments, zoning code amendments, reclassifications, subdivisions, conditional use permits and variances. Processed entitlement requests and development agreements for mixed-use projects within the Platinum Triangle that included various planning studies and development applications. Prepared and reviewed proposal requests for consultant contracts for environmental studies and managed the entire CEQA review process. Performed field inspections to gather data relevant to the development review process and/or to verify that development projects comply with approved plans. Scheduled and conducted meetings with other city departments, applicants and consultants. Prepared and presented staff reports that included project analysis, project findings, and project recommendations for the City Council and Planning Commission. Practiced excellent customer service at the public zoning counter. Supervised and mentored several Planning Aides, Assistant Planners and Planning Interns.

Planning Intern

City of Huntington Beach, June 1998 to June 2001

Provided customer service to residents, business owners and developers at the public counter with new development projects residential, commercial and industrial alterations.

Analyzed, evaluated, and performed technical review of site and architectural plans to verify conformance with appropriate zoning and building regulations.

Conducted records requests for residents, business owner and developers.

Professional Affiliation

American Planning Association- Orange County Chapter, 2001-2006 and 2014-Present

Awards Co-Chairperson- 2015 and 2016

References

Ted White, City Planner, City of Riverside

Phone- 951-826-5108 E-mail- twhite@riversideca.gov

Jonathan Borrego, Planning Manager, City of Anaheim

Phone- 714-765-5016 E-mail- jborrego@anaheim.net



Greg Hastings

PROFILE

Accomplished and integrity-driven professional offering over 35 years of hands-on, wide-ranging experience in land use planning and implementation.

- Experience managing in fields of Planning, Zoning, Building, Code Enforcement and Economic Development.
- Respected, approachable leader with effective communication skills.
- Ability to quickly focus, evaluate and manage challenging situations in a fast paced environment.
- Personable and effective approach to conflict resolution.
- Effective delegator and relationship builder.
- Adept at multi-tasking and managing numerous, often competing priorities.
- Dedicated to accomplishing City betterment goals.
- Committed and personally motivated to provide and encourage unparalleled customer service.
- Strong interest in viable Historic Preservation.

PROFESSIONAL EXPERIENCE

CITY OF ORANGE, CA

- Interim Community Development Director July 2013 – March 2014
 - Directed and managed programs, projects and operations of the Community Development Department, including Planning, Zoning, Building, Housing and Code Compliance.
 - Provided supervision, training, mentoring and professional development for a staff of 35 employees.
 - Maintained important contacts with community stakeholders including Chapman University, St. Joseph's Hospital and two regional shopping complexes.
 - Managed issues to protect integrity of Old Town Orange, one of the largest historic districts in the United States.
 - Oversaw \$4 million department budget. Prepared annual budget proposal.
 - Acted as department liaison to City Council.
 - Interacted on daily basis with City Manager's Office and City's Executive Team.
 - Oversaw staff's completion and certification of Housing Element Update.
 - Acted as mediator to residents, organizations and businesses within the community.
 - Extensively involved in resolving multitude of previously existing human resource/performance issues within the department.

CITY OF SEAL BEACH, CA

- Interim Community Development Director March 2012 – December 2012
 - Directed and managed programs, projects and operations of the Community Development Department, including Planning, Zoning, Building and Safety and Code Enforcement.

- Acted as liaison to City Council, Planning Commission, and Environmental Quality Control Board.
- Interacted on a daily basis with City Manager, City Council members and City's Executive Management team as well as various stakeholders in the community.
- Oversaw completion of City's 2013 Housing Element.
- Completed Specific Plan Amendment for highly controversial 10-acre residential / open space DWP project on the City's last remaining ocean-front acreage.
- Assisted with transition of Redevelopment issues to successor agency, especially related to housing issues.
- Managed City's CDBG program.
- Coordinated multiple contracts with consultants relative to housing, CDBG, building services and environmental analysis.
- Acted as mediator to multitude of residents and businesses within the community.
- Worked closely with City Attorney to establish several revised ordinances.

CITY OF ANAHEIM, CA

- Redevelopment Manager 2006 - 2012 (Retired March 2012)
 - Served as official department liaison to the Planning Department in planning, zoning, environmental and subdivision matters.
 - Mentored Redevelopment staff in various areas of planning and zoning.
 - Managed City's historic preservation program by ensuring appropriate protection and restoration of its historic resources. Provided presentations and information to educate homeowners and civic groups about Anaheim's preservation efforts and programs.
 - Coordinated 18-month process involving the City's Historic Preservation Committee, a consultant and the community, resulting in Council adoption of Anaheim's first Citywide Historic Preservation Plan that subsequently won a California Preservation Foundation award.
 - Oversaw Anaheim's diverse 16-member Historic Preservation Committee.
 - Directed the design and implementation of the City's Historic Preservation website.
 - Reassessed and revised Anaheim's list of nearly 1,500 historic properties.
 - Managed Anaheim's Mills Act program, the third largest in the State, involving 262 historic properties.
 - Managed project creating a unique 6-lot, 11-building single-family neighborhood of historically significant move-on structures.
 - Implemented DDA for innovative infill construction of new single-family homes scattered on 18 remnant sites remaining from the widening of the Santa Ana freeway and DDA for purchase and renovation of Weir Canyon Honda.
 - Participated in planning the expansion of Canyon Metrolink station, in conjunction with development of Kaiser Hospital.
- Planning Services Manager 2004 – 2006
 - Managed Planning Services Division, including a staff of twenty planners, one Economic Development Coordinator and a clerical support team, with a Division budget in excess of \$4 million.
 - Oversaw nearly 250 land use entitlement requests per year, presented to Planning Commission, Zoning Administrator and City Council and ensured professional assistance to over 29,000 customers per year, by providing exceptional service.
 - Negotiated and resolved significant controversial and politically sensitive development issues with high profile developers and land use proponents.

- o As chair of City's Recommendation Committee, ensured decision makers received carefully crafted interdepartmental input for development issues.
- o Refined land use entitlement process, resulting in one of the quickest turnarounds in the County, while maintaining a 95% to 98% customer satisfaction rate for entitlement processing and customer service.
- o Oversaw planning and implementation of several Planned Communities and Specific Plans, significantly increasing Anaheim's population.
- o Forged a strong and trusted relationship between staff and the Planning Commission.
- o Implemented a new fee program to capture large portion of actual costs to process entitlements.
- o Merged Zoning and Advanced Planning into one Division, allowing for cross training opportunities and greater organizational flexibility.
- o Oversaw complete redrafting of City's Zoning Code, resulting in greater flexibility, clarity and updated methods and procedures.
- o Participated in multi-year interdepartmental effort to institute and refine an electronic permit tracking system, resulting in time savings and improved customer service.
- o Established a citywide Planning Program with action items, identifying improvements for several portions of the City needing land use attention.
- o Achieved strong interdepartmental coordination and commitment to aesthetics and neighborhood relationships for project design review.
- o Collaborated with Chamber of Commerce to develop mutually beneficial and forward-thinking Zoning Code amendments.

- Zoning Division Manager 1988 - 2004
- Senior Planner 1987 - 1988
- Associate Planner 1984 - 1987
- Assistant Planner 1979 - 1984

CITY OF LAKEWOOD, CA

- Planning Aide 1978 - 1979

EDUCATION

Bachelor of Science, Urban Planning - California State Polytechnic University, Pomona - 1978

Graduate Coursework, Public Administration - California State University, Long Beach - 1980

PROFESSIONAL AND COMMUNITY AFFILIATIONS

American Planning Association
 Anaheim Beautiful Association
 Anaheim Sister Cities Association
 California Preservation Foundation
 National Trust for Historic Preservation
 Knights of Columbus

REFERENCES

Joel Fick - Former Deputy City Manager, City of Anaheim - (714) 281-1987

Jill Ingram - City Manager, City of Seal Beach - (562) 431-2527 x1300

Rick Otto - City Manager, City of Orange - (714) 744 - 2206



WAYNE G. CARVALHO

PROFESSIONAL EXPERTISE

- Private planning consultative services for land use entitlements and project development
- Contract planning services for governmental agencies
- Twenty years in the City of Huntington Beach Community Development Department with experience in Current Planning, Advance Planning and Code Enforcement Divisions

PROFESSIONAL EXPERIENCE

Lilley Planning Group Contract Planner

June 2013 to present

- Provide government clients with Planning Services ranging from entitlement processing/case planning, plan check coordination, special projects including preparation of Ordinances, Housing Element updates, Specific Plans, and amendments to General Plans.

Carvalho & Associates President

March 2006 to present

- Land Use/Planning Consultant coordinating development projects for private clients including submittal and monitoring of entitlement applications through governmental agencies
- Represent clients at meetings and hearings
- Provide clients with land use feasibility studies consisting of conceptual site plan options and zoning conformance review
- Assist clients with Building Permit and Certificate of Occupancy process
- Provide contract planning services to cities

City of Huntington Beach, Planning Division Planner

February 1991 to March 2006

- Processed Planning entitlement applications including General Plan Amendments, Zone Changes, Environmental Impact Reports, Environmental Assessments (Mitigated Negative Declarations), Specific Plans, Master Plans, Tentative Parcel and Tract Maps, Final Maps, Conditional Use Permits, Variances, etc.
- Review and analyze development projects pursuant to City's General Plan and Zoning Code
- Formulated recommendations with input from other departments
- Represented staff and presented reports to City Council, Planning Commission, Zoning Administrator and other boards and commissions
- Supervised Planning/Zoning Counter staff and coordinated plan check review
- Staff liaison to the City's Design Review Board
- Staff liaison to the City's Environmental Assessment Committee
- Processed City-sponsored applications to LAFCO and California Coastal Commission



City of Huntington Beach, Code Enforcement Division
Code Enforcement Officer

February 1990 to April 1991

- Conducted proactive inspections and those resulting from citizen inquiries
- Gained compliance with property owners and business owners in violation of City's Zoning, Municipal and Housing Codes
- Distributed Notices of Violation in field or to property owners via letters
- Processed requests for prosecution with City Attorney's Office

EDUCATION

California State University, Long Beach

Master of Public Administration, 1998

School of Public Policy and Administration

University of California, Irvine

Bachelor of Arts, 1989

Environmental Health and Planning

School of Social Ecology

PERSONAL INFORMATION

Married for 23 years to Sonia Carvalho, a Municipal Law attorney

Two children: Leena (16) and Isaac (11)

Fullerton resident for 23 years

Planning Commissioner, City of Fullerton

Past Parks and Recreation Commissioner, City of Fullerton

Consultative Board Member, St. Angela Merici School, Brea

Active member of St. Angela Merici Parish, Brea

Community volunteer



Vanessa Norwood, Senior Planner

Summary

Experienced planner with over 15 years of municipal planning experience with background in current and advance planning. Expertise and knowledge of managing mixed-use projects. Results oriented with the ability to work collaboratively with municipalities and forge strong working relationships and partnerships with other communities. Capability to coordinate multiple planning projects simultaneously and in a timely and effective manner. Proven strengths in case processing and customer service.

Core Competencies

- Proficient in organizing projects
- Accuracy & thoroughness a priority
- Analytical, strategic and conceptual thinker
- Works cooperatively as a team member and a manager
- Takes initiative to complete tasks timely
- Results driven, responsible & reliable
- Effective verbal and persuasive communicator
- Enthusiastic team leader & motivator

Professional Experience

2015 - 2016 | Senior Planner, City of Riverside | Riverside, CA

Processed complex cases including zone changes, specific and general plan amendments, conditional use permits involving airport land use compatibility, arroyo delineation, Senate Bill 18 (SB18) and Assembly Bill 52 (AB52). Evaluated and prepared initial studies and determined project compliance in accordance with the California Environmental Quality Act (CEQA). Completed plan checks for permit issuance on approved projects.

- Presented cases to Planning Commission and City Council including PowerPoint presentations for consideration and action. Processed and managed the day to day case workload of assigned cases and interacted daily with various City Departments
- Prepared letters, staff reports and related documentation pertaining to case processing
- Participated in meetings with government officials, land developers, attorneys, special interest groups and the general public to address land use issues
- Provided ideas and knowledge commiserate with experience to streamline overall case processing for increased departmental efficiency

2001 - 2015 | Associate Planner, City of Anaheim | Anaheim, CA

Performed professional work related to a variety of planning assignments. Reviewed and processed complex general plan amendments, zoning code amendments, reclassifications, subdivisions, conditional use permits and variances.

- Processed entitlement requests and development agreements for mixed-use projects within the Platinum Triangle that included various planning studies and development applications
- Prepared and reviewed proposal requests for consultant contracts for environmental studies
- Performed field inspections to gather data relevant to the development review process and/or to verify that development projects comply with approved plans
- Scheduled and conducted meetings with other city departments, applicants and consultants
- Prepared and presented reports to the Planning Commission and City Council
- Practiced excellent customer service at the public zoning counter

Prior Experience

Assistant Planner, City of Anaheim | Anaheim, CA

- Reviewed development proposals and site plans for conformance with the General Plan, Zoning Code, regulation and policies and provided public zoning counter services.
- Evaluated requests for property reclassifications, zoning code amendments, site plans, special use permits, variances and other proposals
- Acted as liaison between community groups, government agencies, developers
- Coordinated community review of private development projects

Assistant Planner, City of San Dimas | San Dimas CA

- Assisted in the preparation of planning and environmental documents
- Worked on technical analyses and CEQA document preparation for general plans, specific plans, and specific development projects
- Provided public counter services
- Assisted with literature searches and field studies
- Prepared environmental assessments/documents, technical studies, and other planning documents

Education

California State Polytechnic University, Pomona, CA — Bachelor of Science - Urban and Regional Planning

Systems

Operate Geographic Information Systems (GIS) and permit tracking systems

Microsoft WORD

PowerPoint



LAUREL REIMER

QUALIFICATION SUMMARY

- Six years in urban planning with over three years in the public sector and a focus on entitlements, compliance, and meeting client needs through creative problem solving.
- Extensive experience understanding government procedures, laws, ordinances and zoning by working in over 100 jurisdictions throughout the West Coast.
- Engaging public speaker who uses data-driven research to persuade audiences to obtain project approvals.
- Excellent project manager who effectively directs time, priorities and teams to meet company objectives.
- Entrusted to expand business into a new market while working remotely and independently.

EDUCATION

University of California Irvine, CA	2012
Master of Urban and Regional Planning	
University of California Los Angeles, CA	2008
Bachelor of Arts in Geography/Environmental Studies, Minor in Urban & Regional Studies	

PROFESSIONAL EXPERIENCE

Lilley Planning Group Brea, CA	9/2016 – Present
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Associate Planner – City of Santa Fe Springs

- Advise the public, developers, architects, engineers, and realtors regarding development standards, land use policies, sign code, CEQA review, business licensing, and general planning and zoning information.
- Review formal applications, development proposals and construction plans for industrial, commercial and residential projects to ensure compliance with city policies, ordinances and codes.
- Conduct site inspections to ensure projects are built and maintained in accordance with all conditions of approval and zoning regulations; suggest corrective actions for non-compliant sites.
- Prepare and present staff reports for the Planning Commission and City Council.
- Currently drafting a wireless telecommunications ordinance and updating the landscaping ordinance.

Core Development Services Portland, OR & Brea, CA	9/2012 – 7/2016
------------------------------------------------------------	------------------------

Well reputed company that obtains entitlements and negotiates leases for telecommunications facilities.

<i>Senior Project Manager</i>	2/2015 – 7/2016
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- Independently launched the Portland office and oversaw all Pacific Northwest entitlements and lease negotiations.
- Went from zero market presence to securing 40 new projects within six months of office opening by leading business development, client relations, and sales.
- Managed West Coast projects and four staff while simultaneously overseeing all aspects of project life cycle.
- Achieved fastest promotion to Senior Project Manager in company history.

<i>Project Manager</i>	5/2014 – 2/2015
------------------------	------------------------

- Delivered shovel ready projects by obtaining planning and building approvals and fully executed leases.
- Solved problems in response to project changes while considering budgets, scheduling, and client needs.
- Managed five staff and 300 project sites simultaneously while overseeing all aspects of project life cycle.
- Increased territory responsibility to include jurisdictions in Northern California.

<i>Zoning Manager</i>	9/2012 – 5/2014
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- Managed the administrative and discretionary entitlement processes for telecommunications facilities by researching, interpreting and applying government laws, codes, ordinances, and regulations.
- Compiled and submitted applications for permits, site plans, and variances to jurisdictions across Southern California.
- Ensured municipal code compliance by rectifying issues and initiating corrective actions on violations.
- Creatively solved problems stemming from changes in the municipal code, public opinion and site violations.
- Presented client projects and persuaded decision makers at various public meetings.
- Advocated for clients' needs by ordering and interpreting technical reports.
- Managed up to 100 projects simultaneously while consistently meeting or exceeding client deadlines.

ADDITIONAL PUBLIC SECTOR EXPERIENCE

Clackamas County Emergency Management | Oregon City, OR

10/2008 – 9/2009

Hazard Mitigation Specialist

- Proposed short and long term mitigation strategies to meet community resiliency and sustainability goals by writing FEMA-approved Natural Hazards Mitigation Plans for 10 cities in Clackamas County.
- Identified stakeholders, organized steering committees, and facilitated community meetings to evaluate the adequacy of community facilities and infrastructure and develop comprehensive natural hazard risk assessments.
- Reached consensus by collaborating with the community to prioritize public improvement projects.

Municipal Water District of Orange County | Fountain Valley, CA

4/2011 – 9/2012

Water Use Efficiency Intern

- Determined the impact of water reduction programs through analytical statistical evaluation.
- Prepared clear and comprehensive reports for water reduction programs by organizing data using Excel and Access.

City of Villa Park | Villa Park, CA

6/2012 – 9/2012

Planning Intern

- Reviewed site plans and answered questions related to city codes, ordinances and regulations.
- Updated planning and building documents to ensure accuracy with the municipal code.

City of Brea | Brea, CA

6/2012 – 9/2012

Community Development Intern

- Wrote RFPs, created public outreach pieces and designed trail signage for the Tracks at Brea project.
- Researched and established a process for translating the greenhouse gas inventory into the Climate Registry.
- Facilitated table top discussions at neighborhood meetings.

SKILL SUMMARY

- | | |
|----------------------------------|------------------------|
| • Public speaking and presenting | • MS Office |
| • Customer service | • GIS proficient |
| • Database management | • Statistical analysis |
| • Client relationship building | • Proficient writer |

REFERENCES

- Cuong Nguyen, Senior Planner at City of Santa Fe Springs, [562-868-0511 ext. 7359](tel:562-868-0511), cuongnguyen@santafesprings.org
- Tanya Mariko Roth, Program Manager Telecommunications at Jacobs, [661-755-1471](tel:661-755-1471), tanyamarikoroth@gmail.com



Highlights

- Public Counter Support
- Residential and Commercial Plan Check
- Construction Plan review
- Research and Analysis
- Discretionary case processing
- Regulatory review and compliance
- Assistance/research on special projects and code updates

Education

Master in Public Administration, **California State University**, Long Beach

Bachelor of Science, Urban and Regional Planning **California State Polytechnic University**, Pomona, CA

GIS Certification, **Rio Hondo College**

Affiliations

American Planning Association

Languages Fluent Cantonese, & Mandarin, Reading fluency in simplified & traditional Chinese

JIMMY WONG

ASSISTANT/ASSOCIATE PLANNER

Mr. Wong has a wide range of city planning related experience including assisting at the public counter, reviewing applications for code compliance, permit processing, identifying needs and ensuring that all local and state permits are processed, public notices, and grant applications. I have also written and presented staff reports at Planning Commission and Design Review Board as the project planner.

Highlights of Mr. Wong's experience include:

City of Santa Fe Springs and San Gabriel, Contract Ast./Assoc. Planner - 2016 – Present.

Processed and reviewed land use and development cases to ensure compliance with laws, ordinances, and guidelines. Interacted with the public at the planning counter and over the phone to disseminate information related to property requirements, ordinances, and laws. Prepared reports and resolutions on discretionary cases and presented reports to the City's Planning Commission. Conducted research and field surveys. Assisted with special projects in sustainability and code updates including production of a climate action plan.

City of Monterey Park, Assistant Planner, 2014 – 2016.

Worked under the guidance and direction of experienced planners as a project manager for routine projects in the area of current and advanced planning, which required the application of fundamental planning principles; assisted in administration of adopted plans and ordinances; served as a team member within the operating procedures and policies of the City. Prepared reports and resolutions on discretionary cases and presented reports to the City's Planning Commission and Design Review Board. Conducted research and field surveys.

County of Los Angeles, Student Professional Worker, 2013- 2015

Worked under the direction of supervising planners to assist with special projects, including monitoring performance standards ensuring goal compliance. Data analysis through operation of Fleet Management Information System. Prepared reports reflecting results and additional research findings.

References

Cuong Nguyen- Senior Planner, City of Santa Fe Springs

Phone: 562-868-0511 ext. 7359 E-mail: cuongnguyen@santafesprings.org

Paul Garcia- Associate Planner, City of San Juan Capistrano

Phone: 949-443-6327 E-mail: pgarcia@sanjuancapistrano.org



Vincente Velasco

9058 Lemoran Ave, Downey, CA 90240 - 562.879.2924 - VincenteVelasco@yahoo.com

EDUCATION

California State Polytechnic University, Pomona

Urban and Regional Planning, Bachelor of Science

June 2017

Cerritos Community College

Architecture, Associate of Arts

August 2014

RELATED EXPERIENCE

Planning Intern

City of Santa Fe Springs, CA

September 2015 - Present

- Project planner for 17 cases, including Conditional Use Permits, Development Plan Approvals, Modification Permits, Parcel Maps, Compliance Reviews, and Revocations.
- Reviewed applications for residential, commercial and industrial developments
- Reviewed Landscaping Plans
- Conducted site inspections to determine the projects are in compliance with laws, regulations and ordinances
- Assisted the Director of Planning in evaluations related to ordinance amendments
- Assisted the Director of Planning with Economic Development
- Prepared Zoning Certification Letters to inform potential buyers on the history and compliance of requested properties
- Prepared code comparison surveys with other cities
- Reviewed business license applications and sign plans for zoning compliance
- Recommend needed changes in zoning regulations and related policies and procedures

RELATED KNOWLEDGE AND SKILLS

- Ability to work with the public and articulate planning issues to a wide variety of audiences
- Ability to envision alternatives to the physical and social environments in which we live
- Understanding of the social and environmental impact of planning decisions on communities
- Clear communication skills aimed at understanding customers' needs and providing corresponding services
- Confident, articulate, and professional public speaking abilities
- Thrive in a team environment and work well with others
- Knowledge of Microsoft Office, ArcGIS, Adobe Suite, AutoCAD, and Autodesk Revit

ADDITIONAL EMPLOYMENT

- Fitness Attendant, Bronco Recreation and Intermural Complex, Cal Poly Pomona, CA
- Retail Associate Manager, RideMakerz, Anaheim, CA

REFERENCES

Cuong Nguyen

Senior Planner

City of Santa Fe Springs

Email: cuongnguyen@santafesprings.org

Phone: (562) 868-0511

Paul M. Garcia

Associate Planner

City of San Juan Capistrano

Email: pgarcia@sanjuancapistrano.org

Phone: (949) 443-632

**CITY OF SANTA FE SPRINGS
SHORT FORM PROFESSIONAL SERVICES AGREEMENT**

THIS AGREEMENT, made and entered into this 22nd day of June, 2017 by and between the CITY OF SANTA FE SPRINGS (CITY), and Sagecrest Planning + Environmental, (CONTRACTOR) is entered into in consideration of the mutual covenants and promises contained herein. The Parties do mutually agree as follows:

1. CONTRACTOR will provide services (SERVICES) as outlined in the proposal submitted on May 25, 2017 which is hereby incorporated by reference and CONSULTANT shall organize, supervise, prepare and complete said SERVICES as set forth therein.
2. The term of this Agreement shall commence on July 1, 2017 and end on June 30, 2019, unless the SERVICES are sooner completed or terminated as provided herein.
3. CITY shall compensate CONTRACTOR for the SERVICES as detailed in the Fee Proposal attached. The hourly rate includes full compensation for direct labor and overhead cost. CONTRACTOR shall not receive additional compensation in excess of the above amount unless previously approved in writing by the CITY. Such compensation shall become payable on a periodic time schedule as approved and agreed to by CITY and the CONTRACTOR.
4. CONTRACTOR hereby acknowledges that obtaining a CITY business license may be required to perform the SERVICES specified in this Agreement.
5. The parties hereto acknowledge and agree that the relationship between CITY and CONTRACTOR is one of principal and independent contractor and no other. CONTRACTOR is solely responsible for all labor and expenses associated with the performance of the SERVICES. Nothing contained in the Agreement shall create or be construed as creating a partnership, joint venture, employment relationship, or any other relationship except as set forth between the parties. This includes, but is not limited to the application of the Federal Insurance Contribution Act, the Social Security Act, the Federal Unemployment Tax Act, the provision of the Internal Revenue Code, the State Revenue and Taxation Code relating to income tax withholding at the source of income, the Workers' Compensation Insurance Code, 401(k) and other benefit payments and third party liability claims. CONTRACTOR specifically acknowledges that CITY is not required to, nor shall, provide Worker's Compensation Benefits Insurance for CONTRACTOR. Notwithstanding the above, CONTRACTOR hereby specifically waives any claims and/or demands for such benefits.
6. CONTRACTOR shall defend, indemnify, hold free and harmless the CITY and its appointed and elected officials, officers, employees and agents from and against any and all damages to property or injuries to or death of any person or persons, including attorney fees and shall defend, indemnify, save and hold harmless CITY and its appointed and elected officials, officers, employees and agents from any and all claims, demands, suits, actions or proceedings of any kind or nature, including but not by way of limitation, all civil claims, worker's' compensation claims, and all other claims resulting from or arising out of the acts, errors or omission of CONTRACTOR, whether intentional or negligent, in the performance of this Agreement.
7. CONTRACTOR will not be required to follow or establish a regular or daily work schedule. Any advice given to the CONTRACTOR regarding the accomplishment of SERVICES shall be considered a suggestion only, not an instruction. The CITY retains the right to inspect, stop, or alter the work of the CONTRACTOR to assure its conformity with this Agreement.
8. CONTRACTOR shall comply with CITY's Harassment Policy. CITY prohibits any and all harassment in any form.

9. CONTRACTOR shall obtain the following forms of insurance and provide City with copies therewith:

- a. Commercial General Liability Insurance with minimum limits of one million dollars (\$1,000,000) per occurrence and,
- b. Automobile Insurance covering all bodily injury and property damage incurred during the performance of this Agreement, with a minimum coverage of \$500,000 combined single limit per accident. Such automobile insurance shall include all vehicles used, whether or not owned by CONTRACTOR.
- c. CONTRACTOR shall comply with Workers' Compensation insurance laws of California.

CONTRACTOR shall maintain the required insurances throughout the term of the contract, and shall have insurance agent send Certificate of Insurance to CITY, with CITY named as additional insured. A 30 day notice of cancellation is required.

10. This Agreement may be terminated by either party for any reason at any time by providing written notice of such termination to the other party.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by and through their respective authorized officers, as of the date first above written.

CONTRACTOR signature Date

Name (Print): _____

Title: _____

Company Name: _____

Corporation____ Sole Proprietor____ Partnership____ LLC____

SSN or Tax ID#: _____

Address: _____

City, State, Zip: _____

Telephone: _____

City Manager Date

Department Head signature Date

City of Santa Fe Springs
11710 Telegraph Road
Santa Fe Springs, CA 90670
(562) 868-0511



City of Santa Fe Springs

City Council Meeting

June 22, 2017

NEW BUSINESS

Approval of Little Lake School District Food Contract for City's Childcare Programs for Fiscal Year 2017-2018

RECOMMENDATION

That the City Council approve the contract with the Little Lake City School District authorizing the City's Child Care & Preschool programs to purchase meal preparation and delivery services beginning July 1, 2017 and ending June 30, 2017.

BACKGROUND

Submitted for your approval is the fiscal year 2017/2018 contract renewal with the Little Lake City School District authorizing the City's Child Care & Preschool programs to purchase meal preparation and delivery services. This contract allows the city to purchase lunches for preschool children that meet the Child Care & Adult Food Program Meal requirements. With this agreement, the City agrees to pay the District \$2.90 per child meal ordered.

The cost of these meals are supplemented through the City's participation in the Child Care & Adult Food Program (CACFP) authorized by the State Department of Education Office of Child Nutrition Services. The total supplement per meal received varies depending on family size and income and can range from .30 to \$3.16 per meal.

The contract amount is estimated to be approximately \$55,000.00 per year, yet is subject to further adjustment depending on enrollment and daily meals ordered.

The Mayor may call upon Judi Manalisay, Children's Services Administrator to answer any questions the Council may have regarding this contract.


Thaddeus McCormack
City Manager

Attachment

Little Lake School District Food Contract for FY 2017-2018



FOOD SERVICE AGREEMENT

THIS AGREEMENT, (the “**AGREEMENT**”) entered into 14th day of June, 2017 is hereby entered into between **LITTLE LAKE CITY SCHOOL DISTRICT**, hereinafter referred to as the “**DISTRICT**”, and **CITY OF SANTA FE SPRINGS**, hereinafter referred to as the “**CITY**”. The **DISTRICT** and the **CITY** are sometimes referred to herein as a “**PARTY**” and collectively as the “**PARTIES**”. This **AGREEMENT** is made with reference to the following facts:

WHEREAS, the **CITY** requires meal preparation and delivery services and such services are not available within the **CITY**; and

WHEREAS, **DISTRICT** possesses the necessary facilities and capabilities to prepare and deliver meals to the **CITY**; and

WHEREAS, **CITY** desires to obtain the following meal services hereinafter referred to as the “**PROJECT**”; and

WHEREAS, **DISTRICT** has indicated its willingness and commitment to provide its meal services to the **CITY** on the terms hereafter set forth in this **AGREEMENT**.

NOW, THEREFORE, the **PARTIES** hereto agree that the above recitals are true and correct, and further as follows:

1 Services to be provided by the DISTRICT

The **DISTRICT** shall provide to the **CITY** on the terms set forth herein all the services articulated in the **AGREEMENT** and the **DISTRICT’S** work plan which is attached hereto and incorporated herein as **ATTACHMENT A (the “DISTRICT’S WORK PLAN”)**. In summary, **DISTRICT** shall provide designated “Meals” to **CITY** at the location and time set forth herein upon receipt of daily meal orders provided by **CITY** to **DISTRICT** in accordance with the process set forth herein.

2 Contract Term

DISTRICT shall commence providing services under this **AGREEMENT** on July 01, 2017 and will diligently perform all services required herein until June 30, 2018 (“**Contract Term**”). **DISTRICT** shall not be required or obligated to provide any meal services after the **Contract Term** unless the **PARTIES** mutually agree to extend the **Contract Term** of the **AGREEMENT** through mutually executed amendment.

3 Compensation

The CITY agrees to pay the DISTRICT \$2.90 per meal ordered in accordance with the price set forth in ATTACHMENT A (the "DISTRICT'S WORK PLAN") for services satisfactorily rendered pursuant to this AGREEMENT.

DISTRICT shall invoice all costs on a monthly basis for the services provided pursuant to this AGREEMENT from the time the DISTRICT begins work on the PROJECT. All costs must be supported by an itemized invoice showing the amount of meals provided by DISTRICT and the associated date. CTIY shall issue payment to DISTRICT within ten (10) calendar days of receipt of invoice.

4 Precedence of Agreement over Attachments and Exhibits

Should there be any ambiguity, inconsistency, discrepancy, or other difference between any attachments or exhibits to this AGREEMENT and the terms of this AGREEMENT, the terms of this AGREEMENT take precedence, govern and be controlling.

5 Audit and Inspection of Records

Pursuant to and in accordance with the provisions of Government Code section 8546.7 or any amendments thereto, all books, records and files of DISTRICT connected with the performance of this AGREEMENT involving the expenditure of public funds in excess of Ten Thousand Dollars (\$10,000), including, but not limited to the administration thereof, shall be subject to the examination and audit of the State Auditor General of the State of California, at the request of CITY or as a part of any audit of CITY, for a period of three (3) years after final payment is made under this AGREEMENT. DISTRICT shall preserve and cause to be preserved such books, records and files for the audit period.

6 Termination

6.1 Without Cause by DISTRICT or CITY

Both DISTRICT and CITY may, upon twenty (20) day notice, with or without reason, terminate this AGREEMENT. Upon this termination, CITY shall only be obligated to compensate DISTRICT for services satisfactorily rendered up to the date of termination, including any meals either delivered or prepared for CITY. Written notice by DISTRICT or CITY shall be sufficient to stop further performance of service to the CITY. DISTRICT and CITY acknowledge that this twenty (20) day notice period is acceptable

6.2 With Cause by DISTRICT

DISTRICT may terminate this AGREEMENT upon giving of written notice of intention to terminate for cause. Cause shall include:

- 6.2.1 Material violation of this AGREEMENT by the CITY, including failure to provide timely payment for services as required by the AGREEMENT or violation of any term, condition, or covenant provided herein; or
- 6.2.2 Any act by CITY exposing the DISTRICT to liability to others for personal injury or property damage; or
- 6.2.3 Written notice by DISTRICT shall contain the reasons for such intention to terminate and unless within three (3) calendar days after that notice the condition or violation shall cease, or satisfactory arrangements for the correction thereof be made, this AGREEMENT shall upon the expiration of the three (3) calendar days cease and terminate. In the event of such termination for cause, the CITY shall be liable for all damages incurred by the DISTRICT as a result of the CITY's breach of its obligations pursuant to this AGREEMENT, acts exposing the DISTRICT to liability, acts resulting in DISTRICT liability, and shall be responsible for all damages and costs associated with the termination. The foregoing provisions are in addition to and not a limitation of any other rights or remedies available to DISTRICT. In the event of a dispute between the PARTIES as to performance of the work or the interpretation of this AGREEMENT, or payment or nonpayment for work performed or not performed, the PARTIES shall attempt to resolve the dispute. The PARTIES may agree in writing to submit any dispute between the PARTIES to arbitration. The CITY agrees to pay the DISTRICT the undisputed amounts due under this AGREEMENT.

7 Indemnification and Warranty

To the furthest extent permitted by California law, CITY shall indemnify, defend, and hold free and harmless the DISTRICT, its Board of Education, officers, agents, representatives, consultants, trustees, volunteers and employees ("the indemnified parties") from any and all claims, demands, causes of action, damage, suits, actions, loss, costs, expenses, judgments, and liability of any nature whatsoever or injury of any kind, nature and description, in law or equity ("Claim"), to property or persons including, but not limited to personal injury, bodily injury, death, property damage, and consultants' and/or attorneys' fees and costs directly or indirectly arising out of, connected with, or resulting from any act or omission of its officials, officers, employees, subcontractors, consultants, or agents, including without limitation the payment of all consequential damages; or from any activity, work, or thing done, permitted, or suffered by the DISTRICT in conjunction with this AGREEMENT, unless the claims are caused wholly by the sole negligence or willful misconduct of the DISTRICT. The DISTRICT shall have the right to accept or reject any legal representation that CITY proposes to defend the indemnified PARTIES.

Except as explicitly stated in this AGREEMENT, DISTRICT makes no warranty, guarantee, or promise as to the sufficiency or suitability for the meals and serviced provided herein. In no event shall the DISTRICT be responsible or liable if any meal is rejected or refused by any of the CITY's designated recipients. DISTRICT is also not responsible for liable for any sickness or harm, including death, suffered by any recipient of the meals provided by DISTRICT, unless CITY can prove in a court of competent jurisdiction, that such harm was the direct result of the negligence of the DISTRICT. Upon approval by the CITY of the meals to be provided by the DISTRICT as set forth in Section I of the DISTRICT's WORK PLAN, DISTRICT's sole responsibility will be to create and deliver the meals as set forth herein

8 Insurance

The DISTRICT and CITY shall keep and maintain general liability insurance including extended coverage for product liability in an amount no less than \$1,000,000 for each occurrence and shall provide each other with a certificate evidencing insurance in the amount naming each other as additional insured and specifying that the coverage shall not be canceled or modified without 30 days prior written notice. In addition, both PARTIES shall maintain any and all insurance necessary to meet the requirements of this Section and specifically the Indemnification provision set forth in Section 7. In no event shall the insurance language provided herein limit, reduce, or negate the indemnification requirements set forth in Section 7.

9 Compliance with Applicable Laws, Debarment and Suspension

Both PARTIES agree to comply with all federal, state, and local laws, rules, regulations and ordinances that are now or may in the future become applicable to this AGREEMENT applicable the requirements and services provided by each (the "Applicable Rules"). CITY shall be solely responsible for ensuring compliance with all laws, rules, regulations, or requirements applicable to the delivery of the meals and shall indemnify DISTRICT from any claimed or actual violation. Both DISTRICT and CITY warrants and certifies that neither, nor any person working for or acting on behalf of DISTRICT and CITY as part of this AGREEMENT, has been or is debarred, penalized by, convicted, sanctioned, suspended, excluded or otherwise ineligible to participate in any state or federal program, or by any federal department or agency, or by Los Angeles County.

10 Certificates/Permits/Licenses

DISTRICT shall secure and maintain in force such certificates, permits and licenses as are required by law in connection with the furnishing of services pursuant to this AGREEMENT. The DISTRICT will provide the CITY a copy of current health certifications for the service facility in which it prepares meals for the CITY. The DISTRICT shall ensure that all health and sanitation requirements of the California Uniform Retail Food Facilities Law, Chapter 4 of the California Health and Safety Code, are met at all times. If CITY believes for any reason that DISTRICT's services are in violation of this Section, CITY shall contact DISTRICT immediately and the

PARTIES shall meet in good faith to discuss the potential violation and revise this AGREEMENT to comply with any potential violation.

11 Entire Agreement/Amendment

This AGREEMENT and any exhibits attached hereto constitute the entire AGREEMENT among the PARTIES to it and supersedes any prior or contemporaneous understanding or agreement with respect to the services contemplated, any may be amended only by a written amendment executed by both PARTIES to the AGREEMENT.

12 No Rights in Third Parties

This AGREEMENT does not create any rights in, or inure to the benefit of, any third party except as expressly provided herein.

13 Non-waiver

The failure of DISTRICT or CITY to seek redress for violation of, or to insist upon, the strict performance of any term or condition of this AGREEMENT, shall not be deemed a waiver by that PARTY or such term or condition, or prevent a subsequent similar act from again constituting a violation of such term or condition.

14 Administrator of Agreement

This AGREEMENT shall be administered on behalf of, and any notice desired or required to be sent to a PARTY hereunder shall be addressed to:

DISTRICT

Little Lake City School District
10515 S. Pioneer Blvd.
Santa Fe Springs, CA 90670
(562) 868-8241
Manuel Correa
Assistant Superintendent, Business

CITY

City of Santa Fe Springs
11710 E. Telegraph Road.
Santa Fe Springs, CA 90670
(562) 868-0511

15 Notice

Any notice required or permitted to be given under this AGREEMENT shall be deemed to have been given, served, and received if given in writing and either personally delivered or deposited in the United States Mail, registered or certified mail, postage prepaid, return receipt required, or sent by an overnight delivery service, or electronic mail transmission, addressed as follows:

DISTRICT

Little Lake City School District
10515 S. Pioneer Blvd.

CITY

City of Santa Fe Springs
11710 E. Telegraph Road.

Santa Fe Springs, CA 90670
(562) 868-8241
mcorrea@llcsd.net
Manuel Correa
Assistant Superintendent, Business

Sana Fe Springs, CA 90670
(562) 868-0511

Any notice personally given or email transmission shall be effective upon receipt. Any notice sent by overnight delivery service shall be effective the next business day following the date sent. Any notice given by United States mail shall be effective three (3) days after deposit in the United States mail. At the date of this AGREEMENT, the addresses of the parties are set forth above.

16 Severability

If any term, condition, or provision of this AGREEMENT is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remaining provisions will nevertheless continue in full force and effect and shall not be affected, impaired or invalidated in any way.

17 Waiver

The waiver by either PARTY of any breach of any term, covenant, or condition herein contained shall not be deemed to be a waiver of such term, covenant, condition, or any subsequent breach of the same or any other term, covenant, or condition herein contained.

18 California Law

This AGREEMENT shall be governed by and the rights, duties and obligations of the PARTIES shall be determined and enforced in accordance with the laws of the State of California, in the County of Los Angeles. The PARTIES further agree that any action or proceeding brought to enforce the terms and conditions of this AGREEMENT shall be maintained in the county in which the DISTRICT's administrative offices are located.

19 Provisions Required By Law Deemed Inserted

Each and every provision of law and clause required by law to be inserted in this AGREEMENT shall be deemed to be inserted herein and this AGREEMENT shall be read and enforced as though it were included therein.

20 Authority to Bind Parties

Neither PARTY in the performance of any and all duties under this AGREEMENT, except as otherwise provided in this AGREEMENT, has any authority to bind the other to any AGREEMENTS or undertakings.

21 Attorney Fees/Costs

Should litigation be necessary to enforce any terms or provisions of this AGREEMENT, then each PARTY shall bear its own litigation and collection expenses, witness fees, court costs and attorney's fees.

22 Captions and Interpretations

Paragraph headings in this AGREEMENT are used solely for convenience, and shall be wholly disregarded in the construction of this AGREEMENT. No provision of this AGREEMENT shall be interpreted for or against a PARTY because that PARTY or its legal representative drafted such provision, and this AGREEMENT shall be construed as if jointly prepared by the PARTIES.

23 Calculation of Time

For the purposes of this AGREEMENT, "days" refers to calendar days unless otherwise specified.

24 Signature Authority

Each PARTY has the full power and authority to enter into and perform this AGREEMENT, and the person signing this AGREEMENT on behalf of each PARTY has been properly authorized and empowered to enter into this AGREEMENT. This AGREEMENT is not valid or an enforceable obligation against the DISTRICT until approved or ratified by motion of the DISTRICT's Board of Education duly passed and adopted.

25 Counterparts

This AGREEMENT and all amendments and supplements to it may be executed in counterparts, and all counterparts together shall be construed as one document.

26 Incorporation of Attachments, Recitals and Exhibits

The Recitals and each attachment and exhibit attached hereto are hereby incorporated herein by reference.

27 Force Majeure Clause

The PARTIES to the AGREEMENT shall be excused from performance thereunder during the time and to the extent that they are prevented from obtaining, delivering, or performing by act of God, fire, strike, loss, or shortage of transportation facilities, lock-out, commandeering of materials, products, plants or facilities by the government, when satisfactory evidence thereof is presented to the other party(ies), provided that it is satisfactorily established that the non-performance is not due to the fault or neglect of the party not performing.

28 Amendments

No alteration or variation of the terms of this AGREEMENT shall be valid unless made in writing and signed by the PARTIES; no oral understanding or agreement not incorporated herein shall be binding on either of the PARTIES; and no exceptions, alternatives, substitutes or revisions are valid or binding on DISTRICT unless authorized by DISTRICT in writing.

29 Delivery

Time of delivery of goods or services is of the essence in this AGREEMENT. Upon accepting delivery of meals from the DISTRICT, the CITY shall be responsible for payment. CITY shall not reject any meal unless the meal does not match the description approved by CITY pursuant to Section I (e) of the DISTRICT's WORK PLAN or if the meal is inedible.

30 Independent Contractor

DISTRICT is, and shall at all times remain as to CITY, a wholly independent contractor. DISTRICT shall have no power to incur any debt, obligation, or liability on behalf of CITY or otherwise to act on behalf of CITY as an agent. Neither CITY nor any of its officers, employees or agents shall have control over the conduct of DISTRICT or any of DISTRICT's employees, except as set forth in this AGREEMENT. DISTRICT shall not at any time represent that it is, or that any of its agents or employees are, in any manner employees of CITY.

31 Assignment

DISTRICT shall not delegate, transfer, subcontract or assign its duties or rights hereunder, either in whole or in part, without CITY's prior written consent, and any attempt to do so shall be void and of no effect. CITY shall not be obligated or liable under this AGREEMENT to any Party other than DISTRICT.

[SIGNATURES ON NEXT PAGE]

IN WITNESS WHEREOF, the PARTIES hereto have executed this AGREEMENT on the date indicated below.

CITY OF SANTA FE SPRINGS

_____ Signature	_____ Title
--------------------	----------------

_____ Print Name	_____ Date
---------------------	---------------

_____ Signature	_____ Title
--------------------	----------------

_____ Print Name	_____ Date
---------------------	---------------

LITTLE LAKE CITY SCHOOL DISTRICT

_____ Signature	_____ Title
--------------------	----------------

_____ Print Name	_____ Date
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ATTACHMENT A
DISTRICT's WORK PLAN

I. The DISTRICT agrees to:

- a. Prepare unitized meals for delivery inclusive of milk each day based on the Child Care Food Program meal requirements.
- b. The DISTRICT will provide the necessary eating utensils, trays, straws and napkins.
- c. The DISTRICT will prepare all meals at the following location:

Site Name

Jersey Avenue Elementary
9400 Jersey Ave.
Santa Fe Springs, CA 90670

- d. Provide the CITY, for approval, a proposed menu for the operational period, at least 7 day(s) prior to the beginning of the period to which the menu applies.
- e. The DISTRICT shall provide all equipment necessary to deliver the meals to the CITY's facilities at the following locations within the following delivery timeframes. CITY shall be solely responsible for ensuring it has staff available at all sites listed below within the delivery timeframes to accept deliveries. As set forth in Section II (e) below, DISTRICT shall not be responsible if it is unable to obtain acceptance of the meals when delivered to the sites listed below and DISTRICT may keep any meal it is unable to deliver and charge CITY all associated costs.

Site Name

Los Nietos Child Care Center
11143 Charlesworth Road
Santa Fe Springs, CA 90670

Delivery Time

10:00 – 11:00 a.m.

Family Center
9255 Pioneer Blvd.
Santa Fe Springs, CA 90670

10:00 – 11:00 a.m.

II. The CITY agrees to:

- a. The CITY shall present self as the "Sponsor" and shall include the lunch participation program as part of the Child Care Food Program in the process of claiming reimbursement from the California Department of Education. All application and eligibility requirements will be handled by the CITY.
- b. Upon the commencement of this AGREEMENT, the CITY agree to pay \$2.90 for every meal ordered until the completion of this AGREEMENT or termination by either PARTY.
- c. The CITY shall submit orders to DISTRICT in accordance with the following schedule:
 - i. CITY must submit an order to DISTRICT no later than 9:00 am the morning the meals are to be delivered. If CITY does not submit an order by the required time the DISTRICT will not guarantee or will be obligated to provide meals for that day.
 - ii. Policy for Orders: Once CITY submits an Order, CITY may not reduce or increase the number of meals ordered for that day. The CITY shall be obligated to pay for the number of meals and beverages ordered, even if not served
- d. To submit an order, CITY must contact the following DISTRICT representative via telephone. In no event shall DISTRICT be responsible for providing any meals or orders that are not submitted via telephone by 9:00 a.m. of the day of service and confirmed by DISTRICT as set forth herein.

Candace Waymire
Cafeteria Manager
Jersey Avenue Elementary
9400 Jersey Ave.
Santa Fe Springs, CA 90670
(562) 948-3772 Ext. 5447

- e. Ensure that a CITY representative is available at each delivery or pickup site at the specified time on each specified day to receive, inspect, and sign for the requested number of meals. This individual will verify the temperature, quality, and quantity of each meal delivered or picked up. The CITY assures the DISTRICT that this individual will be trained and knowledgeable in the record keeping and meal requirements, and with local health and safety codes. In the event DISTRICT is

unable to locate or obtain approval from the named CITY representative, DISTRICT shall keep the meals and charge CITY for the total cost of the meals.

- f. The CITY shall provide personnel to serve meals, clean the serving and eating areas, and assemble transport carts and auxiliary items for pickup by the DISTRICT no later than 1:00 p.m. daily. DISTRICT is under no obligation or duty to provide any equipment with the meals provided pursuant to this AGREEMENT. However, if DISTRICT provides any such equipment for individual meal delivery, including transportation carts, the CITY is responsible for maintaining and returning DISTRICT equipment in the same condition as provided by DISTRICT. In the event any DISTRICT equipment is lost, damaged, or is not returned to DISTRICT for any reason, CITY shall be responsible for reimbursing DISTRICT for all associated costs to replace the equipment.



City of Santa Fe Springs

City Council Meeting

June 22, 2017

NEW BUSINESS

Approval of Contracts with State Department of Education for Fiscal Year 2017-2018

RECOMMENDATION

That the City Council approve Resolution No. 9550 authorizing the renewal of Contract CSPP-7168 with the State Department of Education for Fiscal Year 2017/2018 for the purpose of providing child care and development services for preschool age children.

BACKGROUND

Submitted for approval is the 2017/2018 contract renewal with the California Department of Education to provide child care and development services. This contract in the amount of \$586,431.00 allows the city to provide child care and development services to eligible preschool age children. This contract amount serves approximately 48 part day preschool age children at the Los Nietos Child Care Center and 48 full day preschool age children at the Gus Velasco Neighborhood Center temporary buildings.

The contract MRA (Maximum Reimbursement Amount) of \$586,431.00 is subject to further adjustment contingent upon final legislation enacted in the State FY 2017/18 budget and actual enrollment earnings.

The Mayor may call upon Judi Manalisay, Children's Services Administrator to answer any questions the Council may have regarding this contract.

A handwritten signature in black ink, appearing to read "Thaddeus McCormack", with a long horizontal flourish extending to the right.

Thaddeus McCormack
City Manager

Attachment(s)

State contract (2 copies)
Federal Certification page
Resolution No. 9550

**California Department of Education (CDE)
DIRECTIONS AND FORMS
FOR
CHILD CARE AND DEVELOPMENT CONTRACTS**

Please read carefully. This document contains the following information:

- Directions for Contract Execution (page 2)
- Issues that will Delay Contract Execution (page 3)
- Resolution/Signature Authority (page 4)
- Sample Resolution (page 5)
- Frequently Asked Questions (pages 6-7)
- Checklist (page 8)
- Contractor Certification Clauses (CCC-04/2017) (pages 9-12)
- California Civil Rights Laws Certification (CO-005) (page 13) *NEW!*
- Federal Certifications (CO.8) (pages 14-15)
- Contract and encumbrance page (pages 16-17)

Note: You will only have an encumbrance page if your contract has multiple funding sources. If there is only one source, funding information will be located at the bottom of the contract face sheet.

(Date)

CONTRACT CHECKLIST

Please note that every form in your package is required.

Contractor Name City of Santa Fe Springs Contract # CSPP-7168

Place a check mark next to each item being returned.

- ☐ Checklist
- ☐ Two (2) signed (in blue ink) child care contracts with original signatures
 - Did you include your printed name, title, and address?
 - Is all of the contract language legible?
- ☐ Two (2) Encumbrance pages
 - This page is provided for funding information only and should remain unsigned by the agency.
- ☐ Two (2) signed Contractor Certification Clauses (CCC-04/2017)
 - Did you fill in ALL spaces including Federal ID Number?
- ☐ Two (2) signed California Civil Rights Laws Certifications (CO-005)
- ☐ Two (2) signed Federal Certifications (CO.8)
 - Did you fill in the place of performance?
- ☐ Board resolution or minutes authorizing execution of contract (if applicable)
- ☐ Board resolution or minutes, authorizing delegation of authority (if applicable)

Mail all signed contracts and completed documents as soon as possible to:

**Contracts, Purchasing, and Conference Services California
Department of Education
1430 N Street, Suite 1802
Sacramento, CA 95814-5901**

CCC 04/2017

CERTIFICATION

I, the official named below, CERTIFY UNDER PENALTY OF PERJURY that I am duly authorized to legally bind the prospective Contractor to the clause(s) listed below. This certification is made under the laws of the State of California.

<i>Contractor/Bidder Firm Name (Printed)</i> City of Santa Fe Springs		<i>Federal ID Number</i> 95-6005874
<i>By (Authorized Signature)</i>		
<i>Printed Name and Title of Person Signing</i> Maricela Balderas, Director of Community Services		
<i>Date Executed</i>	<i>Executed in the County of</i> Los Angeles	

CONTRACTOR CERTIFICATION CLAUSES

1. **STATEMENT OF COMPLIANCE:** Contractor has, unless exempted, complied with the nondiscrimination program requirements. (Gov. Code §12990 (a-f) and CCR, Title 2, Section 11102) (Not applicable to public entities.)

2. **DRUG-FREE WORKPLACE REQUIREMENTS:** Contractor will comply with the requirements of the Drug-Free Workplace Act of 1990 and will provide a drug-free workplace by taking the following actions:

a. Publish a statement notifying employees that unlawful manufacture, distribution, dispensation, possession or use of a controlled substance is prohibited and specifying actions to be taken against employees for violations.

b. Establish a Drug-Free Awareness Program to inform employees about:

- 1) the dangers of drug abuse in the workplace;
- 2) the person's or organization's policy of maintaining a drug-free workplace;
- 3) any available counseling, rehabilitation and employee assistance programs; and,
- 4) penalties that may be imposed upon employees for drug abuse violations.

c. Every employee who works on the proposed Agreement will:

- 1) receive a copy of the company's drug-free workplace policy statement; and,
- 2) agree to abide by the terms of the company's statement as a condition of employment on the Agreement.

Failure to comply with these requirements may result in suspension of payments under the Agreement or termination of the Agreement or both and Contractor may be ineligible for award of any future State agreements if the department determines that any of the following has occurred: the Contractor has made false certification, or violated the

certification by failing to carry out the requirements as noted above. (Gov. Code §8350 et seq.)

3. NATIONAL LABOR RELATIONS BOARD CERTIFICATION: Contractor certifies that no more than one (1) final unappealable finding of contempt of court by a Federal court has been issued against Contractor within the immediately preceding two-year period because of Contractor's failure to comply with an order of a Federal court, which orders Contractor to comply with an order of the National Labor Relations Board. (Pub. Contract Code §10296) (Not applicable to public entities.)

4. CONTRACTS FOR LEGAL SERVICES \$50,000 OR MORE- PRO BONO REQUIREMENT: Contractor hereby certifies that Contractor will comply with the requirements of Section 6072 of the Business and Professions Code, effective January 1, 2003.

Contractor agrees to make a good faith effort to provide a minimum number of hours of pro bono legal services during each year of the contract equal to the lessor of 30 multiplied by the number of full time attorneys in the firm's offices in the State, with the number of hours prorated on an actual day basis for any contract period of less than a full year or 10% of its contract with the State.

Failure to make a good faith effort may be cause for non-renewal of a state contract for legal services, and may be taken into account when determining the award of future contracts with the State for legal services.

5. EXPATRIATE CORPORATIONS: Contractor hereby declares that it is not an expatriate corporation or subsidiary of an expatriate corporation within the meaning of Public Contract Code Section 10286 and 10286.1, and is eligible to contract with the State of California.

6. SWEATFREE CODE OF CONDUCT:

a. All Contractors contracting for the procurement or laundering of apparel, garments or corresponding accessories, or the procurement of equipment, materials, or supplies, other than procurement related to a public works contract, declare under penalty of perjury that no apparel, garments or corresponding accessories, equipment, materials, or supplies furnished to the state pursuant to the contract have been laundered or produced in whole or in part by sweatshop labor, forced labor, convict labor, indentured labor under penal sanction, abusive forms of child labor or exploitation of children in sweatshop labor, or with the benefit of sweatshop labor, forced labor, convict labor, indentured labor under penal sanction, abusive forms of child labor or exploitation of children in sweatshop labor. The contractor further declares under penalty of perjury that they adhere to the Sweatfree Code of Conduct as set forth on the California Department of Industrial Relations website located at www.dir.ca.gov, and Public Contract Code Section 6108.

b. The contractor agrees to cooperate fully in providing reasonable access to the contractor's records, documents, agents or employees, or premises if reasonably required by authorized officials of the contracting agency, the Department of Industrial Relations, or the Department of Justice to determine the contractor's compliance with the requirements under paragraph (a).

7. DOMESTIC PARTNERS: For contracts of \$100,000 or more, Contractor certifies that Contractor is in compliance with Public Contract Code section 10295.3.

8. GENDER IDENTITY: For contracts of \$100,000 or more, Contractor certifies that Contractor is in compliance with Public Contract Code section 10295.35.

DOING BUSINESS WITH THE STATE OF CALIFORNIA

The following laws apply to persons or entities doing business with the State of California.

1. CONFLICT OF INTEREST: Contractor needs to be aware of the following provisions regarding current or former state employees. If Contractor has any questions on the status of any person rendering services or involved with the Agreement, the awarding agency must be contacted immediately for clarification.

Current State Employees (Pub. Contract Code §10410):

1). No officer or employee shall engage in any employment, activity or enterprise from which the officer or employee receives compensation or has a financial interest and which is sponsored or funded by any state agency, unless the employment, activity or enterprise is required as a condition of regular state employment.

2). No officer or employee shall contract on his or her own behalf as an independent contractor with any state agency to provide goods or services.

Former State Employees (Pub. Contract Code §10411):

1). For the two-year period from the date he or she left state employment, no former state officer or employee may enter into a contract in which he or she engaged in any of the negotiations, transactions, planning, arrangements or any part of the decision-making process relevant to the contract while employed in any capacity by any state agency.

2). For the twelve-month period from the date he or she left state employment, no former state officer or employee may enter into a contract with any state agency if he or she was employed by that state agency in a policy-making position in the same general subject area as the proposed contract within the 12-month period prior to his or her leaving state service.

If Contractor violates any provisions of above paragraphs, such action by Contractor shall render this Agreement void. (Pub. Contract Code §10420)

Members of boards and commissions are exempt from this section if they do not receive payment other than payment of each meeting of the board or commission, payment for preparatory time and payment for per diem. (Pub. Contract Code §10430 (e))

2. LABOR CODE/WORKERS' COMPENSATION: Contractor needs to be aware of the provisions which require every employer to be insured against liability for Worker's

Compensation or to undertake self-insurance in accordance with the provisions, and Contractor affirms to comply with such provisions before commencing the performance of the work of this Agreement. (Labor Code Section 3700)

3. AMERICANS WITH DISABILITIES ACT: Contractor assures the State that it complies with the Americans with Disabilities Act (ADA) of 1990, which prohibits discrimination on the basis of disability, as well as all applicable regulations and guidelines issued pursuant to the ADA. (42 U.S.C. 12101 et seq.)

4. CONTRACTOR NAME CHANGE: An amendment is required to change the Contractor's name as listed on this Agreement. Upon receipt of legal documentation of the name change the State will process the amendment. Payment of invoices presented with a new name cannot be paid prior to approval of said amendment.

5. CORPORATE QUALIFICATIONS TO DO BUSINESS IN CALIFORNIA:

a. When agreements are to be performed in the state by corporations, the contracting agencies will be verifying that the contractor is currently qualified to do business in California in order to ensure that all obligations due to the state are fulfilled.

b. "Doing business" is defined in R&TC Section 23101 as actively engaging in any transaction for the purpose of financial or pecuniary gain or profit. Although there are some statutory exceptions to taxation, rarely will a corporate contractor performing within the state not be subject to the franchise tax.

c. Both domestic and foreign corporations (those incorporated outside of California) must be in good standing in order to be qualified to do business in California. Agencies will determine whether a corporation is in good standing by calling the Office of the Secretary of State.

6. RESOLUTION: A county, city, district, or other local public body must provide the State with a copy of a resolution, order, motion, or ordinance of the local governing body which by law has authority to enter into an agreement, authorizing execution of the agreement.

7. AIR OR WATER POLLUTION VIOLATION: Under the State laws, the Contractor shall not be: (1) in violation of any order or resolution not subject to review promulgated by the State Air Resources Board or an air pollution control district; (2) subject to cease and desist order not subject to review issued pursuant to Section 13301 of the Water Code for violation of waste discharge requirements or discharge prohibitions; or (3) finally determined to be in violation of provisions of federal law relating to air or water pollution.

8. PAYEE DATA RECORD FORM STD. 204: This form must be completed by all contractors that are not another state agency or other governmental entity.

CO-005

CALIFORNIA CIVIL RIGHTS LAWS CERTIFICATION

Pursuant to Public Contract Code section 2010, if a bidder or proposer executes or renews a contract in the amount of \$100,000 or more on or after January 1, 2017, the bidder or proposer hereby certifies compliance with the following:

1. **CALIFORNIA CIVIL RIGHTS LAWS:** For contracts \$100,000 or more, executed or renewed after January 1, 2017, the contractor certifies compliance with the Unruh Civil Rights Act (Section 51 of the Civil Code) and the Fair Employment and Housing Act (Section 12960 of the Government Code); and
2. **EMPLOYER DISCRIMINATORY POLICIES:** For contracts \$100,000 or more, executed or renewed after January 1, 2017, if a Contractor has an internal policy against a sovereign nation or peoples recognized by the United States government, the Contractor certifies that such policies are not used in violation of the Unruh Civil Rights Act (Section 51 of the Civil Code) or the Fair Employment and Housing Act (Section 12960 of the Government Code).

CERTIFICATION

I, the official named below, certify under penalty of perjury under the laws of the State of California that the foregoing is true and correct. <i>Proposer/Bidder Firm Name (Printed)</i> City of Santa Fe Springs		<i>Federal ID Number</i> 95-6005874
<i>By (Authorized Signature)</i>		
<i>Printed Name and Title of Person Signing</i> Maricela Balderas, Director of Community Services		
<i>Date Executed</i>	<i>Executed in the County and State of</i> Los Angeles County, State of California	

GO.B (REV. 8/07)

FEDERAL CERTIFICATIONS

CERTIFICATIONS REGARDING LOBBYING; DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS; AND DRUG-FREE WORKPLACE REQUIREMENTS

Applicants should refer to the regulations cited below to determine the certification to which they are required to attest. Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 45 CFR Part 93, "New restrictions on Lobbying," and 45 CFR Part 76, "Government-wide Debarment and Suspension (Non procurement) and Government-wide requirements for Drug-Free Workplace (Grants)." The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of Education determines to award the covered transaction, grant, or cooperative agreement.

1. LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 45 CFR Part 93, for persons entering into a grant or cooperative agreement over \$100,000 as defined at 45 CFR Part 93, Sections 93.106 and 93.110, the applicant certifies that:

(a) No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress in connection with the making of any federal grant, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal grant or cooperative agreement;

(b) If any funds other than federal appropriated funds have been or will be paid to any person for influencing or attempting to influence an employee of Congress, or any employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the undersigned shall complete and submit Standard Form -LLL, "Disclosure Form to Report Lobbying," in accordance with this instruction;

(c) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subgrants, contracts under grants and cooperative agreements, and subcontracts) and that all subrecipients shall certify and disclose accordingly.

2. DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS

As required by executive Order 12549, Debarment and Suspension, and other responsibilities implemented at 45 CFR Part 76, for prospective participants in primary or a lower tier covered transactions, as defined at 45 CFR Part 76, Sections 76.105 and 76.110.

A. The applicant certifies that it and its principals:

(a) Are not presently debarred, suspended proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;

(b) Have not within a three-year period preceding this application been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) transaction or contract under a public transaction violation of federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, state, or local) with commission of any of the offenses enumerated in paragraph (1) (b) of this certification; and

(d) Have not within a three-year period preceding this application had one or more public transactions (federal, state, or local) terminated for cause or default; and

B. Where the applicant is unable to certify to any of the statements in this certification, he or she shall attach an explanation to this application.

3. DRUG-FREE WORKPLACE (GRANTEES OTHER THAN INDIVIDUALS)

As required by the Drug-Free Workplace Act of 1988, and implemented at 45 CFR Part 76, Subpart F, for grantees, as defined at 45 CFR Part 76, Sections 76.605 and 76.610-

A. The applicant certifies that it will or will continue to provide a drug-free workplace by:

(a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition.

(b) Establishing an on-going drug-free awareness program to inform employees about-

(1) The danger of drug abuse in the workplace;

(2) The grantee's policy of maintaining a drug-free workplace;

(3) Any available drug counseling, rehabilitation, and employee assistance programs; and

(4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;

(c) Making it a requirement that each employee to be engaged in performance of the grant be given a copy of the statement required by paragraph (a);

(d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will -

(1) Abide by the terms of the statement; and

(2) Notify the employer in writing of his or her conviction for a violation;

(e) Notifying the agency, in writing, within 10 calendar days after receiving notice under subparagraph (d) (2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title,

to: Director, Grants, and Contracts Service, U.S. Department of Education, 400 Maryland Avenue, S.W., (Room 3124, GSA Regional Office Building No. 3), Washington, DC 20202-4571.

Notice shall include the identification number(s) of each affected grant:

(f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d) (2), with respect to any employee who is so convicted:

(1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or

(2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a federal, state, or local health, law enforcement, or other appropriate agency;

(g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a), (b), (c), (d), (e), and (f).

B. The grantee shall insert in the space provided below the site(s) for the performance of work done in connection with the specific grant:

Place of Performance (Street address, city, county, state, zip code)
11710 Telegraph Rd

Santa Fe Springs, Los Angeles, CA 90670

Check ☐ if there are workplaces on file that are not identified here.

DRUG-FREE WORKPLACE (GRANTEES WHO ARE INDIVIDUALS)

As required by the Drug-Free Workplace Act of 1988, and implemented at 45 CFR Part 76, Subpart F, for grantees, as defined at 45 CFR Part 76, Sections 76.605 and 76.610-

a. As a condition of the grant, I certify that I will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant, and

b. If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, I will report the conviction, in writing, within 10 calendar days of the conviction, to: Director, Grants and contracts Service, U.S. department of Education, 400 Maryland Avenue, S.W. (Room 3124, GSA Regional Office Building No. 3) Washington, DC 20202-4571. Notice shall include the identification numbers(s) of each affected grant.

ENVIRONMENTAL TOBACCO SMOKE ACT

As required by the Pro-Children Act of 1994, (also known as Environmental Tobacco Smoke), and implemented at Public Law 103-277, Part C requires that:

The applicant certifies that smoking is not permitted in any portion of any indoor facility owned or leased or contracted and used routinely or regularly for the provision of health care services, day care, and education to children under the age of 18. Failure to comply with the provisions of this law may result in the imposition of a civil monetary penalty of up to \$1,000 per day. (The law does not apply to children's services provided in private residence, facilities funded solely by Medicare or Medicaid funds, and portions of facilities used for in-patient drug and alcohol treatment.)

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above certifications.

NAME OF APPLICANT (CONTRACTOR)	City of Santa Fe Springs	CONTRACT #	CSPP-7168
PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE			
Maricela Balderas, Director of Community Services			
SIGNATURE		DATE	

**CALIFORNIA DEPARTMENT OF EDUCATION**

1430 N Street

Sacramento, CA 95814-5901

F.Y. 17 - 18**LOCAL AGREEMENT FOR CHILD DEVELOPMENT SERVICES**DATE: July 01, 2017CONTRACT NUMBER: CSP-7168PROGRAM TYPE: CALIFORNIA STATE
PRESCHOOL PROGRAMPROJECT NUMBER: 19-2194-00-7CONTRACTOR'S NAME: CITY OF SANTA FE SPRINGS

This Agreement is entered into between the State Agency and the Contractor named above. The Contractor agrees to comply with the terms and conditions of the CURRENT APPLICATION; the GENERAL TERMS AND CONDITIONS (GTC 04/2017)*; the STATE PRESCHOOL PROGRAM REQUIREMENTS*; and the FUNDING TERMS AND CONDITIONS (FT&C)*, which are by this reference made a part of this Agreement. Where the GTC 04/2017 conflicts with either the Program Requirements or the FT&C, the Program Requirements or the FT&C will prevail.

Funding of this Agreement is contingent upon appropriation and availability of sufficient funds. This Agreement may be terminated immediately by the State if funds are not appropriated or available in amounts sufficient to fund the State's obligations under this Agreement.

The period of performance for this Agreement is July 01, 2017 through June 30, 2018. For satisfactory performance of the required services, the Contractor shall be reimbursed in accordance with the Determination of Reimbursable Amount Section of the FT&C, at a rate not to exceed \$40.18 per child per day of full-time enrollment and a Maximum Reimbursable Amount (MRA) of \$586,431.00.

SERVICE REQUIREMENTS

Minimum Child Days of Enrollment (CDE) Requirement	14,595.0
Minimum Days of Operation (MDO) Requirement	247

Any provision of this Agreement found to be in violation of Federal and State statute or regulation shall be invalid, but such a finding shall not affect the remaining provisions of this Agreement.

Items shown with an Asterisk (*), are hereby incorporated by this reference and made part of this Agreement as if attached hereto. These documents can be viewed at <http://www.cde.ca.gov/fg/aa/cd/ftc2017.asp>.

STATE OF CALIFORNIA		CONTRACTOR	
BY (AUTHORIZED SIGNATURE)		BY (AUTHORIZED SIGNATURE)	
PRINTED NAME OF PERSON SIGNING VALARIE BLISS,		PRINTED NAME AND TITLE OF PERSON SIGNING	
TITLE CONTRACT MANAGER		ADDRESS	
AMOUNT ENCUMBERED BY THIS DOCUMENT \$ 586,431	PROGRAM/CATEGORY (CODE AND TITLE) Child Development Programs	FUND TITLE	
PRIOR AMOUNT ENCUMBERED FOR THIS CONTRACT \$ 0	(OPTIONAL USE) See Attached		
TOTAL AMOUNT ENCUMBERED TO DATE \$ 586,431	ITEM See Attached	CHAPTER	STATUTE
	OBJECT OF EXPENDITURE (CODE AND TITLE) 702	FISCAL YEAR	
I hereby certify upon my own personal knowledge that budgeted funds are available for the period and purpose of the expenditure stated above.		T.B.A. NO.	B.R. NO.
SIGNATURE OF ACCOUNTING OFFICER See Attached		DATE	

Department of General Services
use only

CONTRACTOR'S NAME: CITY OF SANTA FE SPRINGS

CONTRACT NUMBER: CSPP-7168

AMOUNT ENCUMBERED BY THIS DOCUMENT \$ 47,681	PROGRAM/CATEGORY (CODE AND TITLE) Child Development Programs	FUND TITLE Federal		
PRIOR AMOUNT ENCUMBERED \$ 0	(OPTIONAL USE)0656 FC# 93.596 13609-2194	PC# 000321		
TOTAL AMOUNT ENCUMBERED TO DATE \$ 47,681	ITEM 30.10.020.001 6100-194-0890	CHAPTER B/A	STATUTE 2017	FISCAL YEAR 2017-2018
OBJECT OF EXPENDITURE (CODE AND TITLE) 702 SACS: Res-5025 Rev-8290				

AMOUNT ENCUMBERED BY THIS DOCUMENT \$ 21,900	PROGRAM/CATEGORY (CODE AND TITLE) Child Development Programs	FUND TITLE Federal		
PRIOR AMOUNT ENCUMBERED \$ 0	(OPTIONAL USE)0656 FC# 93.575 15136-2194	PC# 000324		
TOTAL AMOUNT ENCUMBERED TO DATE \$ 21,900	ITEM 30.10.020.001 6100-194-0890	CHAPTER B/A	STATUTE 2017	FISCAL YEAR 2017-2018
OBJECT OF EXPENDITURE (CODE AND TITLE) 702 SACS: Res-5025 Rev-8290				

AMOUNT ENCUMBERED BY THIS DOCUMENT \$ 407,390	PROGRAM/CATEGORY (CODE AND TITLE) Child Development Programs	FUND TITLE General		
PRIOR AMOUNT ENCUMBERED \$ 0	(OPTIONAL USE)0656 23038-2194			
TOTAL AMOUNT ENCUMBERED TO DATE \$ 407,390	ITEM 30.10.010. 6100-196-0001	CHAPTER B/A	STATUTE 2017	FISCAL YEAR 2017-2018
OBJECT OF EXPENDITURE (CODE AND TITLE) 702 SACS: Res-6105 Rev-8590				

AMOUNT ENCUMBERED BY THIS DOCUMENT \$ 109,460	PROGRAM/CATEGORY (CODE AND TITLE) Child Development Programs	FUND TITLE General		
PRIOR AMOUNT ENCUMBERED \$ 0	(OPTIONAL USE)0656 23254-2194			
TOTAL AMOUNT ENCUMBERED TO DATE \$ 109,460	ITEM 30.10.020.001 6100-194-0001	CHAPTER B/A	STATUTE 2017	FISCAL YEAR 2017-2018
OBJECT OF EXPENDITURE (CODE AND TITLE) 702 SACS: Res-6105 Rev-8590				

I hereby certify upon my own personal knowledge that budgeted funds are available for the period and purpose of the expenditure stated above.	T.B.A. NO.	B.R. NO.
SIGNATURE OF ACCOUNTING OFFICER	DATE	

RESOLUTION NO. 9550

**A RESOLUTION OF THE CITY COUNCIL
OF THE CITY OF SANTA FE SPRINGS, CALIFORNIA
AUTHORIZING APPROVAL OF LOCAL AGREEMENT
WITH THE CALIFORNIA STATE DEPARTMENT OF EDUCATION
FOR THE PURPOSE OF PROVIDING CHILD CARE AND
DEVELOPMENTAL SERVICES
TO PRE-SCHOOL AGE CHILDREN IN FISCAL YEAR 2017-2018**

BE IT RESOLVED that the City Council of the City of Santa Fe Springs certify as to the approval of local agreement with the California State Department of Education for the purpose of providing child care and development services to Pre-school age children in Fiscal Year 2017-2018

BE IT FURTHER RESOLVED that the City Council of the City of Santa Fe Springs authorize approval of local Agreement No. CSPP-7168 and authorize the Director of the Community Services, Maricela Balderas to sign the agreement.

PASSED AND ADOPTED THIS 29th day of June 2017.

MAYOR

ATTEST:

CITY CLERK



City of Santa Fe Springs

City Council Meeting

June 22, 2017

NEW BUSINESS

Authorize the Purchase of an Air & Light Vehicle from Emergency Vehicle Group, Inc. (EVG), Related Vehicle Communication Equipment, and Vehicle Support Equipment.

RECOMMENDATIONS:

That the City Council take the following actions

1. Authorize the Fire Chief to purchase an Air & Light Unit from Emergency Vehicle Group, Inc. (EVG) for an amount not to exceed \$549,363.68.
2. Authorize the Fire Chief to purchase the Air & Light Vehicle's Communication Equipment from Motorola Solutions for an amount not to exceed \$27,867.18.
3. Authorize the Fire Chief to purchase the Air & Light Vehicle's Mobile Data Computer (MDC) unit from Commline Inc. for an amount not to exceed \$4,770.23.
4. Authorize the Fire Chief to purchase additional vehicle support equipment to outfit the Air & Light Vehicle for an amount not to exceed \$17,000.00.
5. Authorize the Fire Chief to enter into a lease financing agreement with Government Capital for a 7 year term at an interest rate of 2.45% and annual payments in the amount of \$92,827.64 commencing at the time of lease origination.

BACKGROUND

The Department of Fire Rescue is requesting the replacement of the 1988 Air & Light vehicle (Unit 828) utilized for response by Fire Rescue suppression personnel. The vehicle is out of service due to the compressor and generator being inoperable. Replacement parts for the vehicle's compressor and generator are not available due to the age of the vehicle (29 years).

The Air & Light Vehicle is utilized in various capacities, including:

- Responding to emergency incidents and providing an air-filling station at the scene for firefighters to refill the Department's self-contained breathing apparatus (SCBA) air bottles.
- Provide emergency lighting at the scene of an emergency incident including vehicle accidents, structure fire overhauls, hazardous material incidents, confined space rescues, building collapses, etc.
- The new vehicle will provide rehabilitation equipment to be used on the scene of an emergency for firefighters to rehab during extended emergency operations. The vehicle may also be used at non-emergency City events to provide lighting, electricity and rehabilitation supplies to City personnel.

Report Submitted By: Fire Chief Michael Crook
Department of Fire-Rescue

Date of Report: June 15, 2017

Item 11

Fire Rescue's current Air & Light vehicle is housed at Station Two (8634 Dice Road). The vehicle is not assigned fire personnel on a daily basis and is automatically dispatched to an emergency incident for all second alarm or greater incidents or by request. The vehicle provides the ability to fill SCBA air bottles at the scene of an emergency which allows for consistent uninterrupted operations by not having to shuttle bottles to Fire Rescue Headquarters to be filled. The current vehicle has responded to numerous incidents providing emergency air & light capabilities to Santa Fe Springs, Area E and the surrounding Los Angeles County communities. The current Air & Light held a significant presence during the Los Angeles Riots in April, 1992.

The Fire Chief is requesting the purchase of the Air & Light vehicle from Emergency Vehicle Group, Inc. (EVG) due to the Department already owning several other vehicles from EVG including the Urban Search and Rescue (USAR) response (Unit #860), the Hazardous Materials response (Unit #851), and the current Air & Light (Unit #828).

The purchase of the vehicle from EVG would assist the Department in maintaining a consistent fleet with other similar Fire Rescue vehicles therefore assisting with minimizing transition costs and challenges associated with personnel training, maintenance and operating costs.

Delivery of the vehicle shall be 390 days after signed offer and purchase agreement and approved work order and production drawings of the vehicle.

Below is the pricing/bids for the Vehicle and the two communications components:

Air & Light Vehicle #828

Emergency Vehicle Group, Inc. (EVG)	\$ 503,902.00
Sales Tax 9%	\$ 45,351.18*
Total for Vehicle including Sales Tax	\$ 549,363.68

* The City of Santa Fe Springs sales tax rate will increase from 8¾% to 9% on July 1, 2017. Sales tax has been figured at the 9% rate due to the estimated delivery and payment of the vehicle in October 2018.

The radio communication equipment bids below includes all mobile and portable radios, microphones, antennas, and peripheral installation equipment.

Radio Communication Equipment (Vendor and Bid amount)

Motorola Solutions	\$ 27,867.18
Commline Inc.	\$ 35,929.98
Electronic Times	\$ 35,929.98

Report Submitted By: Fire Chief Michael Crook
Department of Fire Rescue

Date of Report: June 15, 2017

The mobile data computer bids below include the computer mounted inside the vehicle that is used as an information database and communication between dispatch and other emergency response vehicles.

Mobile Data Computer (MDC) (Vendor and Bid amount)

Commline Inc	\$ 4,770.23
Electronic Times	\$ 5,334.86
Ota Communications, LLC	\$ 5,617.18

Additional support equipment would be purchased after the delivery of the vehicle. This equipment would include rehab supplies including water, electrolyte replacement fluids, basic first aid equipment, canopies, tables, chairs, portable extension cords, and portable lighting. All amounts listed below are estimates and all equipment purchases will be concurrent with the City of Santa Fe Springs Purchasing Policy.

Additional Support Equipment

Rehab Supplies	\$ 3,000.00
Basic First Aid Equipment	\$ 1,000.00
Canopies/Awnings	\$ 2,000.00
Tables	\$ 1,000.00
Chairs	\$ 1,000.00
Portable Extension Cords	\$ 1,000.00
Portable Lighting	\$ 4,000.00
Misc. Equipment	\$ 4,000.00

The total cost of the Air & Light Vehicle, including all communication equipment, is \$582,001.09. Additional equipment not to exceed \$17,000.00 would be purchased following the City of Santa Fe Springs Purchasing Policy. Total vehicle cost including communication equipment and peripheral vehicle support equipment would not exceed \$599,001.09.

It is estimated that the remaining value of the current air & light unit is \$5,000. Therefore, it is recommended that the vehicle be donated or sold through a brokerage company that specializes in previously-owned fire apparatus. If sold, the proceeds of the sale will be deposited into the vehicle acquisition and replacement activity where vehicle purchases are budgeted. Current equipment carried on the existing unit will be evaluated and transferred to the new vehicle if applicable.

Financing

Multiple lease-financing proposals were sought and received. The proposal from Government Capital was deemed to be the most favorable for the City. With a term of 7 years and an interest rate of 2.45%, it calls for annual payments in the amount of \$94,160.31 commencing at the time of lease origination.

Below is a listing of all the lease-financing proposals received:

<u>Name</u>	<u>Amount (7-Year Term)</u>	<u>Interest Rate</u>
Government Capital	\$92,827.64	2.45%
Community Leasing Partners	\$95,362.17	2.78%
Community Bank	\$98,846.00	not provided
Bank of the West	\$102,060.76	4.61%

FISCAL IMPACT

This purchase was included in the FY 2016-17 & FY 2017-18 Two-Year Budget adopted by the City Council in June 2016. It includes \$600,000 to be financed over multiple years, with \$100,000 included in the FY 2017-18 for the first year's debt service payment.



Thaddeus McCormack
City Manager

Attachment(s)

Emergency Vehicle Group, Inc. (EVG) Offer & Purchase Agreement
Santa Fe Springs Air & Light Unit #828 Vehicle Specification
Motorola Solutions communication equipment bid
Commline, Inc. MDC bid
Lease Financing Proposal – Government Capital Corporation
Photo of proposed vehicle



February 17, 2017

Fire Chief Mike Crook
City of Santa Fe Springs
11300 Greenstone Ave
Santa Fe Springs, California 90670

RE: Offer to Provide One (1) SVI Trucks Air/Light Vehicle(s) on 2017 Freightliner M2-106, 4 x 2, Diesel Powered Two Door Standard Cab Chassis

Attention: Fire Chief Mike Crook

On behalf of Emergency Vehicle Group, Inc., I would like to thank you for the opportunity to provide you with the following offer for the City of Santa Fe Springs to purchase One (1) SVI Trucks Air/Light Vehicle(s) on 2017 Freightliner M2-106, 4 x 2, Diesel Powered Two Door Standard Cab Chassis

Emergency Vehicle Group, Inc. (EVG) is proud to be in the business of serving those who bravely serve our communities and help ensure the safety of our families and friends. Our pledge is to offer you the same quality of service and expertise that is demanded from you. Over the years we have introduced fire departments, municipalities and private companies to the absolute best in service, sales and support for emergency vehicle products.

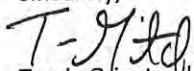
We proudly serve California, Arizona and Nevada and offer you premium custom products along with the best value available in the industry. EVG accomplishes this by representing Spartan ERV Apparatus, SVI Trucks, Wheeled Coach Ambulance, Road Rescue Ambulances, Lifeline Ambulances and McCoy Miller Ambulances as well as ambulance remounts and command vehicles built by EVG.

EVG employs EVT and ASE Certified Mechanics with decades of experience in servicing emergency vehicles, fire apparatus and ambulances. EVG recognizes the importance of these vehicles as a life saving device and take great pride in serving those that bravely serve and protect us. Our corporate office, remount and main service facility is located in Anaheim, CA.

Our mission is to develop long-term relationships and provide our customers with "honest, intelligent effort" in everything we do for you. We are committed to do whatever it takes to surpass customers' expectations by continually improving upon what we do.

All of us at Emergency Vehicle Group, Inc. believe in long-term relationships and we look forward to the opportunity of working with you and the City of Santa Fe Springs. I would again like to thank you for the opportunity. Each of us at EVG offer you our sincere pledge of "Honest, Intelligent Effort" in everything we do for you now, and in the future.

Sincerely,


Travis Grinstead
President & CEO

2883 E. Coronado St. Anaheim, CA 92806

Tel: 714-238-0110 Fax: 714-238-0120

www.evginc.net



The Following is an Offer and Purchase Agreement for:

City of Santa Fe Springs To Purchase

One (1) SVI Trucks Air/Light Vehicle(s) on 2017 Freightliner M2-106, 4 x 2, Diesel Powered Two Door Standard Cab(s)

February 17, 2017

Description	Qty	Price Each	Extended Price
One (1) SVI Trucks Air/Light Vehicle(s) on 2017 Freightliner M2-106, 4 x 2, Diesel Powered Two Door Standard Cab Chassis Chassis VIN Number(s): To Be Determined After Production Start	1	\$503,902.00	\$503,902.00
Tax (Based on Rate of 9%)	1	\$45,351.18	\$45,351.18
Tire Fee	1	\$10.50	\$10.50
Document Fee	1	\$100.00	\$100.00
Total Purchase Price	1	\$549,363.68	\$549,363.68

This constitutes a contract for the purchase and sale of One (1) SVI Trucks Air/Light Vehicle(s) on 2017 Freightliner M2-106, 4 x 2, Diesel Powered Two Door Standard Cab chassis between Emergency Vehicle Group, Inc. (Seller) and the City of Santa Fe Springs (Buyer) in the total amount of:

Five Hundred Forty Nine Thousand Three Hundred Sixty Three Dollars and Sixty Eight Cents
\$549,363.68

Offer based on work order/specification reference number 150227SV and any associated drawing(s) as provided. A final approval work order/specification and drawing will be provided after all Pre-Construction changes are completed (if applicable). Pre-Construction changes may incur an additional cost.

Payment Terms: 100% payment of the contract is due at the time of delivery. Failure to pay the contract in full may result in interest accruing at an annual percentage rate of 6%. Proof of insurance and approved financing or payment will be required to execute this contract.

Delivery Time: Delivery shall be 390 days after signed offer and purchase agreement and approved work order and production drawings of the vehicle.

Signature below represents acceptance of above contract and terms:


City of Santa Fe Springs:

Signature Date

Printed Name

Title

Emergency Vehicle Group:

 2/17/2017

Signature Date

Travis Grinstead

Printed Name

President & CEO

Title



**SANTA FE SPRING FIRE DEPARTMENT
AIR/LIGHT APPARATUS
MANUFACTURERS SPECIFICATION**



Page 1 of 95

LIABILITY INSURANCE

The manufacturer shall furnish with the bid a certificate of insurance for;

Workman's Compensation and Employer's Liability Insurance covering for all employees.

General Liability (each occurrence) of \$1,000,000.00. General Aggregate coverage of \$2,000,000.00. Products Completed / Operations Aggregate coverage of \$2,000,000.00. Medical Expense coverage of \$5,000 (any one person). Personal Injury of \$1,000,000.00.

Automobile liability of \$1,000,000.00 combined single limit (each accident), including any auto, all owned autos, scheduled autos, hired autos, non-owned autos, and garage liability.

Excess Umbrella Liability coverage of \$4,000,000.00 each occurrence, Aggregate of \$4,000,000.00.
Garage Keepers Liability coverage of \$4,000,000.00 combined limit.

All insurance policies must be;

- Maintained for the life of the contract,
- Must provide ten (10) days' notice before cancellation,
- Must cover all operations of the contractor, or anyone employed by them.

INTERNET IN-PROCESS SITE

The manufacturer shall post and maintain a website where the Santa Fe Springs Fire Department will be able to view digital images of their apparatus as its being built. The digital images shall be posted once a week starting when the body begins production or when the cab/chassis arrives and shall continue until the final completion of unit.

RESPONSIBILITY OF PURCHASER

It shall be the responsibility of the purchaser to specify the details of the apparatus in addition to the requirements in NFPA 1901 needed by the manufacturer to build the apparatus, including:

- Requirements not uniquely specified in NFPA 1901, such as the type of apparatus desired.
- Any features of the apparatus desired in addition to, or in excess of, the requirements in NFPA 1901.

After acceptance of the fire apparatus, the purchaser shall be responsible for ongoing training of personnel to develop and maintain proficiency regarding the proper and safe use of the apparatus and the associated equipment.



SANTA FE SPRING FIRE DEPARTMENT
AIR/LIGHT APPARATUS
MANUFACTURERS SPECIFICATION



Page 2 of 95

PERSONNEL PROTECTION

Guards, shields, or other protection shall be provided where necessary in order to prevent injury of personnel by hot, moving, or rotating parts during non-maintenance operations.

Electrical insulation or isolation shall be provided where necessary in order to prevent electrical shock from onboard electrical systems.

Vehicular workmanship shall ensure an operating environment free of accessible sharp projections and edges.

Safety signs with text shall conform to the general principles of ANSI/NEMA Z535.4, *Product Safety Signs and Labels*. Safety signs without text shall conform to the general principles for two-panel safety signs of ISO 9244, *Earth-moving machinery — Machine safety labels — General principles*.

Apparatus built for sale in the United States shall employ safety signage that complies with ANSI/NEMA Z535.4.

Apparatus built for sale outside the United States shall employ safety signage that complies with either ANSI/NEMA Z535.4 or ISO 9244.

Safety signs referenced in this standard beginning with the letters FAMA shall conform to the text and graphics of the referenced safety sign number found in FAMA TC010, *Standard Product Safety Sign Catalog for Automotive Fire Apparatus*.

CONTROLS AND INSTRUCTIONS

Illumination shall be provided for controls, switches, instruction plates, labels, gauges, and instruments necessary for the operation of the apparatus and the equipment provided on it.

If external illumination is provided, it shall be a minimum of 5 fc (50 lx) on the face of the device.

If internal illumination is provided, it shall be a minimum of 4 foot lamberts (14 cd/m²).

All required signs, instruction plates and labels shall be permanent in nature and securely attached and shall meet the requirements of NFPA and UL 969, *Standard for Marking and Labeling Systems*.

The signs, instruction plates, and labels shall have resistance to damage from temperatures between -30°F and 176°F (-35°C and 80°C) and exposure to oil, fuel, water, hydraulic fluids or other fluids used on the apparatus.

The exterior mounted labels relating to safety or critical operational instructions shall be reflective or illuminated as required by NFPA.

The centerline of any gauge or visual display required by this standard shall be no more than 84 in. (2130 mm) above the level where the operator stands to read the instrument.

The central midpoint or centerline of any control shall be no more than 72 in. (1830 mm) vertically above the ground or platform that is designed to serve as the operator's standing position.



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COMPONENT PROTECTION

Hydraulic hose lines, air system tubing, control cords and electrical harnesses shall be mechanically attached to the frame or body structure of the apparatus with protective looms, grommets or other devices at each point where they pass through body panels or structural members or wherever they lie against a sharp metal edge.

A through-the-frame connector shall be permitted to be used in place of protective looms or grommets.

VEHICLE STABILITY SUPPLIED WITH CAB/CHASSIS

The cab/chassis shall be equipped with a stability control system. The system shall have, at a minimum, a steering wheel position sensor, a vehicle yaw sensor, a lateral accelerometer and individual wheel brake controls.

FIRE APPARATUS PERFORMANCE

The fire apparatus shall meet the requirements of this standard at elevations of 2000 ft (600 m) above sea level.

The fire apparatus shall meet all the requirements of this standard while stationary on a grade of 6 percent in any direction.

The fire apparatus shall meet the requirements of this standard in ambient temperature conditions between 32°F (0°C) and 110°F (43°C).

HIGHWAY PERFORMANCE

The apparatus, when loaded to its estimated in-service weight, shall be capable of the following performance while on dry, paved roads that are in good condition:

- Accelerating from 0 to 35 mph (55 km/hr) within 25 seconds on a 0 percent grade
- Attaining a speed of 50 mph (80 km/hr) on a 0 percent grade
- Maintaining a speed of at least 20 mph (32 km/hr) on any grade up to and including 6 percent

The maximum top speed of fire apparatus with a GVWR over 26,000 lb (11,800 kg) shall not exceed either 68 mph (109 km/hr) or the manufacturer's maximum fire service speed rating for the tires installed on the apparatus, whichever is lower.

If the combined water tank and foam agent tank capacities on the fire apparatus exceed 1250 gal (4732 L), or the GVWR of the vehicle is over 50,000 lb (22,680 kg), the maximum top speed of the apparatus shall not exceed either 60 mph (95 km/hr) or the manufacturer's maximum fire service speed rating for the tires installed on the apparatus, whichever is lower.



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SERVICEABILITY

The fire apparatus shall be designed to allow the manufacturer's recommended routine maintenance checks of lubricant and fluid levels to be performed by the operator without lifting the cab of a tilt-cab apparatus or without the need for hand tools.

Where special tools are required for routine service on any component of the apparatus, such tools shall be provided with the apparatus.

Apparatus components that interfere with repair or removal of other major components shall be attached with fasteners, such as cap screws and nuts, so that the components can be removed and installed with ordinary hand tools. These components shall not be welded or otherwise permanently secured into place.

FIRE APPARATUS DOCUMENTATION

The contractor shall supply, at the time of delivery, at least one (1) copy of the following documents:

- 1) The manufacturers record of apparatus construction details, including the following documents:
 - a) Owner's name and address
 - b) Apparatus manufacturer, model, and serial number
 - c) Chassis make, model, and serial number
 - d) GAWR of front and rear axles and GVWR
 - e) Front tire size and total rated capacity in pounds (kilograms)
 - f) Rear tire size and total rated capacity in pounds (kilograms)
 - g) Chassis weight distribution in pounds (kilograms) with water and manufacturer-mounted equipment (front and rear)
 - h) Engine make, model, serial number, rated horsepower and related speed, and governed speed; and if so equipped, engine transmission PTO(s) make, model, and gear ratio
 - i) Type of fuel and fuel tank capacity
 - j) Electrical system voltage and alternator output in amps
 - k) Battery make, model, and capacity in cold cranking amps (CCA)
 - l) Chassis transmission make, model, and serial number; and if so equipped, chassis transmission PTO(s) make, model, and gear ratio
 - m) Ratios of all driving axles
 - n) Maximum governed road speed
 - o) Pump make, model, rated capacity in gallons per minute (liters per minute where applicable), maximum discharge pressure capability rating, and serial number
 - p) Pump transmission make, model, serial number, and gear ratio
 - q) Auxiliary pump make, model, rated capacity in gallons per minute (liters per minute where applicable), and serial number
 - r) Water tank certified capacity in gallons or liters
 - s) Foam tank (if provided) certified capacity in gallons (liters)
 - t) Aerial device type, rated vertical height in feet (meters), rated horizontal reach in feet (meters), and rated capacity in pounds (kilograms)
 - u) Paint manufacturer and paint number(s)
 - v) Company name and signature of responsible company representative



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- w) Weight documents from a certified scale showing actual loading on the front axle, rear axle(s), and overall fire apparatus (with the water tank full but without personnel, equipment, and hose)
- 2) Certification of compliance of the optical warning system (*see 13.8.16*)
 - 3) Siren manufacturer's certification of the siren (*see 13.9.1.1*)
 - 4) Written load analysis and results of the electrical system performance tests (*see 13.14.1 and Section 13.15*)
 - 5) Certification of slip resistance of all stepping, standing, and walking surfaces (*see 15.7.4.5*)
 - 6) If the apparatus has a fire pump, the pump manufacturer's certification of suction capability (*see 16.2.4.1*)
 - 7) If the apparatus is equipped with a fire pump and special conditions are specified by the purchaser, the pump manufacturer's certification of suction capacity under the special conditions (*see 16.2.4.2*)
 - 8) If the apparatus has a fire pump, a copy of the apparatus manufacturer's approval for stationary pumping applications (*see 16.3.1*)
 - 9) If the apparatus has a fire pump, the engine manufacturer's certified brake horsepower curve for the engine furnished, showing the maximum governed speed (*see 16.3.2.2*)
 - 10) If the apparatus has a fire pump, the pump manufacturer's certification of the hydrostatic test (*see 16.5.2.2*)
 - 11) If the apparatus has a fire pump with a maximum discharge pressure capability rating that exceeds the hydrostatic test pressure of 16.5.2.1, the pump manufacturer's certification of the hydrodynamic test
 - 12) If the apparatus has a fire pump, the certification of inspection and test for the fire pump (*see 16.13.1.1.5 or 16.13.1.2.4 as applicable*)
 - 13) If the apparatus is equipped with an auxiliary pump, the apparatus manufacturer's certification of the hydrostatic test (*see Section 17.13*)
 - 14) When the apparatus is equipped with a water tank, the certification of water tank capacity (*see Section 18.6*)
 - 15) If the apparatus has an aerial device, the certification of inspection and test for the aerial device (*see Section 19.24*)
 - 16) If the apparatus has an aerial device, all the technical information required for inspections to comply with NFPA 1911
 - 17) If the apparatus has a foam proportioning system, the foam proportioning system manufacturer's certification of accuracy (*see 20.10.4.2*) and the final installer's certification the foam proportioning system meets this standard (*see 20.11.2*)
 - 18) If the system has a CAFS, the documentation of the manufacturer's pre delivery tests (*see Section 21.9*)
 - 19) If the apparatus has a line voltage power source, the certification of the test for the power source (*see 22.15.7.2*)
 - 20) If the apparatus is equipped with an air system, air tank certificates (*see 24.5.1.2*), the SCBA fill station certification (*see 24.9.6*), and the results of the testing of the air system installation (*see 24.14.5 and 24.15.4*)
 - 21) Any other required manufacturer test data or reports



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OPERATIONS AND SERVICE DOCUMENTATION

The contractor shall deliver with the fire apparatus complete operation and service documentation covering the completed apparatus as delivered and accepted.

The documentation shall address at least the inspection, service, and operations of the fire apparatus and all major components thereof.

The contractor shall also deliver with the fire apparatus the following documentation for the entire apparatus and each major operating system or major component of the apparatus:

- 1) Manufacturer's name and address
- 2) Country of manufacture
- 3) Source for service and technical information
- 4) Parts replacement information
- 5) Descriptions, specifications, and ratings of the chassis, pump (if applicable), and aerial device (if applicable)
- 6) Wiring diagrams for low voltage and line voltage systems to include the following information:
 - a) Pictorial representations of circuit logic for all electrical components and wiring
 - b) Circuit identification
 - c) Connector pin identification
 - d) Zone location of electrical components
 - e) Safety interlocks
 - f) Alternator-battery power distribution circuits
 - g) Input/output assignment sheets or equivalent circuit logic implemented in multiplexing systems
- 7) Lubrication charts
- 8) Operating instructions for the chassis, any major components such as a pump or aerial device, and any auxiliary systems
- 9) Precautions related to multiple configurations of aerial devices, if applicable
- 10) Instructions regarding the frequency and procedure for recommended maintenance
- 11) Overall apparatus operating instructions
- 12) Safety considerations
- 13) Limitations of use
- 14) Inspection procedures
- 15) Recommended service procedures
- 16) Troubleshooting guide
- 17) Apparatus body, chassis and other component manufacturer's warranties
- 18) Special data required by this standard
- 19) A material safety data sheet (MSDS) for any fluid that is specified for use on the apparatus
- 20) One copy of the latest edition of FAMA's *Fire Apparatus Safety Guide*

The contractor shall deliver with the apparatus all manufacturer's operations and service documents supplied with components and equipment that are installed or supplied by the contractor.



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NFPA REQUIRED DOCUMENTATION FORMAT - USB FLASH DRIVE

The vehicle construction details and the operations and service documentation as required per NFPA 1901 latest edition shall be provided on a USB Flash Drive. These manuals shall be divided into sections for ease of reference. There shall be two (2) USB flash drives provided with the completed vehicle.

FIRE APPARATUS SAFETY GUIDE

A Fire Apparatus Safety Guide published by Fire Apparatus manufacturer's Association shall be provided with delivered vehicle. This manual includes essential safety information for fire fighters, fire chiefs, apparatus mechanics, and fire department safety officers. The guide is applicable to municipal, wildland, and airport fire fighting apparatus manufactured on either custom or commercial chassis.

STATEMENT OF EXCEPTIONS

The final-stage manufacturer shall deliver with the fire apparatus either a certification that the apparatus fully complies with all requirements of this standard or alternatively, a Statement of Exceptions specifically describing each aspect of the completed apparatus that is not fully compliant with the requirements of this standard at the time of delivery.

The Statement of Exceptions shall contain, for each noncompliant aspect of the apparatus or missing required item, the following information:

- 1) A separate specification of the section of the applicable standard for which compliance is lacking
- 2) A description of the particular aspect of the apparatus that is not in compliance therewith or required equipment that is missing
- 3) A description of the further changes or modifications to the delivered apparatus that must be completed to achieve full compliance
- 4) Identification of the entity that will be responsible for making the necessary post delivery changes or modifications or for supplying and installing any missing required equipment to the apparatus to achieve full compliance with this standard

Prior to or at the time of delivery of the apparatus, the Statement of Exceptions shall be signed by an authorized agent of the entity responsible for final assembly of the apparatus and by an authorized agent of the purchasing entity, indicating mutual understanding and agreement between the parties regarding the substance thereof.



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CARRYING CAPACITY

The GAWR and the GCWR or GVWR of the chassis shall be adequate to carry the weight of the completed vehicle when loaded to its estimated in-service weight. The manufacturer shall establish the estimated in service weight during the design of the vehicle.

The estimated in-service weight shall include the following:

1. The chassis, body and tank(s)
2. Full fuel, lubricant, and other chassis or component fluid tanks or reservoirs
3. Full water and other agent tanks
4. *250 lb (114 kg) in each seating position
5. Fixed equipment such as pumps, aerial devices, generators, reels and air systems as installed
6. Ground ladders, suction hose, designed hose load in their hose beds and on their reels
7. An allowance for miscellaneous equipment that is the greatest of the following:
 - a) The values shown for items 1 - 7
 - b) A purchaser-provided list of equipment to be carried with weights
 - c) A purchaser-specified miscellaneous equipment allowance

The manufacturer shall engineer and design the fire apparatus such that the completed apparatus, when loaded to its estimated in-service weight, with all movable weights distributed as close as is practical to their intended in-service configuration, does not exceed the GVWR.

A final manufacturer's certification of the GVWR or GCWR, along with a certification of each GAWR, shall be supplied on a label affixed to the vehicle.

The fire apparatus manufacturer shall permanently affix a high-visibility label in a location visible to the driver while seated.

The label shall show the height of the completed unequipped fire apparatus in feet and inches (meters), the length of the completed fire apparatus in feet and inches (meters), and the GVWR in tons (metric tons).

Wording on the label shall indicate that the information shown was current when the apparatus was manufactured and that, if the overall height changes while the vehicle is in service, the fire department must revise that dimension on the plate.



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Apparatus Type	Equip. Storage Area	Apparatus Size	Equipment Allowance	
			lb.	kg.
Special Service Fire Apparatus	Minimum of 120 cu ft (3.4 cu mt) of enclosed compartmentation.	10,000 lb to 15,000 lb (4,500 kg to 7,000 kg) GVWR	2,000	910
		15,001 lb to 20,000 lb (7,001 kg to 9,000 kg) GVWR	2,500	1,135
		20,001 lb to 30,000 lb (9,001 kg to 14,000 kg) GVWR	3,000	1,350
		30,001 lb to 40,000 lb (14,001 kg to 18,000 kg) GVWR	4,000	1,800
		40,001 lb to 50,000 lb (18,001 kg to 23,000 kg) GVWR	6,000	2,700
		50,001 lb to 60,000 lb (23,001 kg to 27,000 kg) GVWR	8,000	3,600
		60,001 lb and up (27,001 kg) GVWR	10,000	4,500



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TESTING

ROAD TEST

Road test shall be conducted in accordance with this section to verify that the completed apparatus is capable of compliance with Roadability Section.

The tests shall be conducted at a location and in a manner that does not violate local, state or provincial or federal traffic laws.

The tests shall be conducted on dry, level, paved roads that are in good condition. The apparatus shall be loaded to its estimated in service weight.

The engine shall not operate in excess of the maximum governed speed. Acceleration tests shall consist of two runs in opposite directions over the same route. The fire apparatus shall attain a speed of 35 mph (55 km/hr) from a standing start within 25 seconds. The fire apparatus shall attain a minimum top speed of 50 mph (80 km/hr).

If the apparatus is equipped with an auxiliary braking system, the Body Manufacturer shall road test the system to confirm that the system is functioning as intended by the auxiliary braking system manufacturer.

If the apparatus is equipped with an air brake system, the service brakes shall bring the apparatus, when loaded to its GVWR, to a complete stop from an initial speed of 20 mph (32.2 km/hr) in a distance not exceeding 35 ft (10.7 m) by actual measurement on a paved, level, dry surface road that is free of loose material, oil or grease.

If the apparatus is equipped with a hydraulic brake system, the service brakes shall bring the apparatus, when loaded to its GVWR, to a complete stop from an initial speed of 30 mph (48.2 km/hr) in a distance not exceeding 88 ft (26.8 m) by actual measurement on a paved, level, dry surface road that is free of loose material, oil or grease.

LOW VOLTAGE - ELECTRICAL SYSTEM PERFORMANCE TEST

The vehicles low voltage electrical system shall be tested and certified by the manufacturer. The certified test results shall be delivered with the completed vehicle. Tests shall be performed when the air temperature is between 0°F and 110°F (-18°C and 43°C).

TEST SEQUENCE

The following three (3) tests shall be performed in the order in which they appear below. Before each test, the batteries shall be fully charged until the voltage stabilizes at the voltage regulator set point and the lowest charge current is maintained for ten (10) minutes. Failure of any of these tests shall require a repeat of the sequence.



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1. RESERVE CAPACITY TEST

The engine shall be started and kept running until the engine and engine compartment temperatures are stabilized at normal operating temperatures and the battery system is fully charged. The engine shall be shut off and the minimum continuous electrical load shall be activated for ten (10) minutes.

All electrical loads shall be turned off prior to attempting to restart the engine. The battery system shall then be capable of restarting the engine. Failure to restart the engine shall be considered a test failure of the battery system.

2. ALTERNATOR PERFORMANCE TEST

TEST AT IDLE

The minimum continuous electrical load shall be activated with the engine running at idle speed. The engine temperature shall be stabilized at normal operating temperature. The battery system shall be tested to detect the presence of battery discharge current. The detection of battery discharge current shall be considered a test failure.

TEST AT FULL LOAD

The total continuous electrical load shall be activated with the engine running up to the engine manufacturer's governed speed. The test duration shall be a minimum of two (2) hours. Activation of the load management system shall be permitted during this test.

An alarm sounded by excessive battery discharge, as detected by the warning system required in 13.3.4, or a system voltage of less than 11.8 V dc for a 12 V nominal system, 23.6 V dc for a 24 V nominal system, or 35.4 V dc for a 42 V nominal system for more than 120 seconds shall be considered a test failure.

3. LOW VOLTAGE ALARM TEST

The following test shall be started with the engine off and the battery voltage at or above 12 V for a 12 V nominal system, 24 V for a 24 V nominal system or 36 V for a 42 V nominal system.

With the engine shut off, the total continuous electrical load shall be activated and shall continue to be applied until the excessive battery discharge alarm activates. The battery voltage shall be measured at the battery terminals.

The test shall be considered a failure if the alarm does not sound in less than 140 seconds after the voltage drops to 11.70 V for a 12 V nominal system, 23.4 V dc for a 24 V nominal system, or 35.1 V for a 42 V nominal system.

The battery system shall then be able to restart the engine. Failure to restart the engine shall be considered a test failure.



LOW VOLTAGE - ELECTRICAL SYSTEM PERFORMANCE TEST

DOCUMENTATION

The manufacturer shall deliver the following with the fire apparatus:

- 1) Documentation of the electrical system performance tests
- 2) A written electrical load analysis, including the following:
 - a) The nameplate rating of the alternator
 - b) The alternator rating
 - c) Each of the component loads specified that make up the minimum continuous electrical load
 - d) Additional electrical loads that, when added to the minimum continuous electrical load, determine the total continuous electrical load
 - e) Each individual intermittent electrical load

UL 120/240 VAC CERTIFICATION

The 120/240-volt electrical system shall be third-party, independent, audit-certified through Underwriters Laboratory (UL) to the current edition of NFPA 1901 to perform as listed below;

The prime mover shall be started from a cold start condition, and the unloaded voltage and frequency shall be recorded.

The line voltage electrical system shall be loaded to at least 100% of the continuous rated wattage stated on the power source specification label. Testing with a resistive load bank shall be permitted.

The power source shall be operated in the manner specified by the apparatus manufacturer as documented on instruction plates or in operation manuals. The power source shall be operated at a minimum of 100% of the continuous rated wattage as stated on the power source specification label for a minimum of two (2) hours.

The load shall be adjusted to maintain the output wattage at or above the continuous rated wattage during the entire 2-hour test.

The following conditions shall be recorded at least every 1/2 hour during the test:

- a) The power source output voltage, frequency and amperes
- b) The prime mover's oil pressure, water temperature and transmission temperature, if applicable
- c) The power source hydraulic fluid temperature, if applicable
- d) The ambient temperature and power source air inlet temperature



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The following conditions shall be recorded once during the test for power sources driven by dedicated auxiliary internal combustion engines:

- Altitude
- Barometric pressure
- Relative humidity

If the generator is driven by the chassis engine and the generator allows for operation at variable speeds, the chassis engine speed shall be reduced to the lowest rpm allowed for generator operation and the voltage and frequency shall be recorded.

The load shall be removed and the unloaded voltage and frequency shall be recorded.

Voltage shall be maintained within $\pm 10\%$ of the voltage stated on the power source specification label during the entire test. Frequency shall be maintained within ± 3 Hz of the frequency stated on the power source specification label during the entire test.

The total continuous electrical loads, excluding those loads associated with the equipment defined in NFPA 22.15.7.3.11.2, shall be applied during the testing unless an auxiliary engine drives the power source.

If the apparatus is equipped with a fire pump, the 2-hour certification test of the power source shall be completed with the fire pump pumping at 100% capacity at 150 psi (1000 kPa) net pump pressure. The test shall be permitted to be run concurrently with the pump certification test.

DOCUMENTATION

The Body Manufacturer shall deliver the following with the fire apparatus:

The results of each test shall be recorded on an appropriate form and provided with the delivery of the fire apparatus.



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DIELECTRIC VOLTAGE WITHSTAND TEST

The line voltage wiring and permanently connected devices and equipment shall be subjected to a dielectric voltage withstand test of 900 volts for one (1) minute. The testing shall be performed after all body work has been completed.

The test shall be conducted as follows:

- Isolate the power source from the panel board and disconnect any solid state low voltage components
- Connect one lead of the dielectric tester to all the hot and neutral buses tied together
- Connect the other lead to the fire apparatus frame or body
- Close any switches and circuit breakers in the circuit(s)
- Apply the dielectric voltage for one (1) minute in accordance with the testing equipment manufacturer's instructions

The electrical polarity of all permanently wired equipment, cord reels and receptacles shall be tested to verify that wiring connections have been properly made.

Electrical continuity shall be verified from the chassis or body to all line voltage electrical enclosures, light housings, motor housings, light poles, switch boxes and receptacle ground connections that are accessible to fire fighters in normal operations.

If the apparatus is equipped with a transfer switch, it shall be tested to verify operation and that all non grounded conductors are switched.

Electrical light towers, floodlights, motors, fixed appliances and portable generators shall be operated at their full rating or capacity for 30 minutes to ensure proper operation.

RAIN TEST

A rain test shall be conducted on the completed apparatus prior to the final inspection to check for water intrusion into the body and cab resulting from the production process.

WARRANTY

A full statement shall be provided of the warranties for the vehicle(s) being bid. Warranties should clearly describe the terms under which the vehicle manufacturer accepts responsibility for the cost to repair defects caused by faulty design, quality of work or material and for the applicable period of time after delivery.

Cost of repairs refers to all costs related thereto including, but not limited to, the cost of materials and the cost of labor.

The Body Manufacturer shall warrant all materials and accessories used on the vehicle(s), whether fabricated by manufacturer or purchased from an outside source and will deal directly with the Santa Fe Springs Fire Department on all warranty work.



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GENERAL LIMITED WARRANTY - TWO (2) YEARS

The vehicle shall be free of defects in material and workmanship for a period of two (2) years or 36,000 miles (or 57,936 kilometers), whichever occurs first starting ninety (90) days after the original invoice date.

The Contractor must be the "single source" coordinator of all warranties on the vehicle.

LOW VOLTAGE ELECTRICAL WARRANTY - FIVE (5) YEARS

The vehicle low voltage electrical system shall be free of defects in material and workmanship for a period of five (5) years or 60,000 miles (or 96,561 kilometers), whichever occurs first, starting ninety (90) days after the original invoice date.

STRUCTURAL WARRANTY - TEN (10) YEARS

The body shall be free of structural or design failure or workmanship for a period of ten (10) years, or 100,000 miles (or 160,934 kilometers), whichever occurs first, starting ninety (90) days after the original invoice date.

UNDERCOAT WARRANTY

The body undercoating shall have a warranty provided by the manufacturer for the lifetime of the vehicle or twenty (20) years, whichever occurs first. The warranty shall be transferable between vehicle owners. Should the undercoating material applied to the underside of the body and wheel wells of the vehicle ever flake off, peel, chip or crack due to drying out, the damaged area shall be re-sprayed without charge to the vehicle owner.

PAINT LIMITED WARRANTY - TEN (10) YEARS

The body shall be free of bubbling or peeling as a result of a defect in the method of manufacture for a period of ten (10) years or 100,000 miles (or 160,934 kilometers), whichever occurs first, starting ninety (90) days after the original invoice date. **Pro-rated warranties will not be acceptable.**

GRAPHICS LIMITED WARRANTY

The 3M graphics installation shall be warranted for a period of two (2) years. The 3M materials installed on completed vehicle shall be warranted for seven (7) years. The 3M Diamond grade film (if specified) shall be warranted for ten (10) years.

CONSTRUCTION PERIOD

The completed vehicle shall be delivered within three hundred ninety (390) days after receipt of a purchase order or contract.

Contractor shall not be held liable for delays of chassis delivery due to accidents, strikes, floods or other events not subject to their control. Contractor shall provide immediate written notice to Santa Fe Springs Fire Department as to delays and to what extent these delays have in completing vehicle within the stated construction time period.



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OVERALL HEIGHT REQUIREMENT

There is no overall height (OAH) restriction for this vehicle.

OVERALL LENGTH

The overall length (OAL) of the vehicle shall be approximately 348" (29' -00").

OVERALL WIDTH

The overall width (OAW) of the body at drip rails shall be 102" (8' - 6"), and body shall be 100" (8' - 4").

ANGLE OF APPROACH

The angle of approach for this vehicle shall be approximately (30) degrees when it is loaded to the estimated in-service weight as specified by the current edition of NFPA 1901.

ANGLE OF DEPARTURE

The angle of departure for this vehicle shall be approximately (10) degrees when it is loaded to the estimated in-service weight as specified by the current edition of NFPA 1901.

PRE-PAINT CONFERENCE

A pre-paint conference shall be required at the Contractor's factory for three (3) personnel from the Santa Fe Springs Fire Department to inspect the vehicle and construction details prior to the painting process.

The Contractor shall at his/her expense, provide transportation, lodging, rental car and meal expenses during the pre-paint conference. Any travel distance greater than 250 miles shall be by non-stop commercial air travel.

FINAL INSPECTION CONFERENCE

A final inspection conference shall be required at the Contractor's factory for three (3) personnel from the Santa Fe Springs Fire Department to inspect the vehicle and construction details prior to shipment of the completed vehicle. This inspection shall take place after any specified striping and lettering is installed.

The Contractor shall at his/her expense, provide transportation, lodging, rental car and meal expenses during the final inspection conference. Any travel distance greater than 250 miles shall be by non-stop commercial air travel.



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DELIVERY AND DEMONSTRATION

The Contractor shall be responsible for the delivery of the completed unit to the Santa Fe Springs Fire Department's location. On initial delivery of the apparatus, the Contractor shall supply a qualified representative to demonstrate the apparatus and provide initial instruction to representatives of the Santa Fe Springs Fire Department regarding the operation, care and maintenance of the apparatus and equipment supplied at Santa Fe Springs Fire Department location.

The Delivery Engineer shall set delivery and instruction schedule with the person appointed by Santa Fe Springs Fire Department.

After delivery of the apparatus, the Santa Fe Springs Fire Department shall be responsible for ongoing training of its personnel to proficiency regarding the proper and safe use of the apparatus and associated equipment.



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CAB/CHASSIS

Vehicle Configuration

M2 106 CONVENTIONAL CHASSIS
2018 MODEL YEAR SPECIFIED
SET BACK AXLE - TRUCK

General Service

RESCUE/EMERGENCY FIRE SERVICE
FREIGHTLINER WARRANTY
EXPECTED FRONT AXLE LOAD: 14000 lbs
EXPECTED REAR DRIVE AXLE LOAD: 23000 lbs
EXPECTED GROSS VEHICLE CAPACITY: 37000 lbs

Engine

CUM L9 350EV HP @ 2000 RPM, 2200 GOV RPM , 1000
LB/FT @ 1400 RPM FIRE/EMERGENCY

Engine Equipment

2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG17
NFPA COMPLIANT EMBER SCREEN AND FIRE
RETARDANT DONALDSON AIR CLEANER
DR 12V 300 AMP 40-SI BRUSHLESS PAD ALTERNATOR
WITH REMOTE BATTERY VOLTAGE SENSE
(2) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT
MAINTENANCE FREE 2250 CCA THREADED STUD
BATTERIES WITH POSITIVE JUMP START POST
BATTERY BOX FRAME MOUNTED
WIRE GROUND RETURN FOR BATTERY CABLES WITH
ADDITIONAL FRAME GROUND RETURN
POSITIVE LOAD DISCONNECT WITH CAB MOUNTED
CONTROL SWITCH MOUNTED OUTBOARD DRIVER
CUMMINS TURBOCHARGED 18.7 CFM AIR
COMPRESSOR WITH INTERNAL SAFETY VALVE
C-BRAKE BY JACOBS WITH LOW/OFF/HIGH BRAKING
DASH SWITCH
RH MTD HORIZONTAL AFTERTREATMENT WITH RH
MOUNTED BRIGHT VERTICAL CURVED TAILPIPE
HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN
DRIVE
AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH
CUMMINS SPIN ON FUEL FILTER
COMBINATION FULL FLOW/BYPASS OIL FILTER
1100 SQUARE INCH ALUMINUM RADIATOR
ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE
FREE) EXTENDED LIFE COOLANT
GATES BLUE STRIPE COOLANT HOSES OR
EQUIVALENT



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CONSTANT TENSION HOSE CLAMPS FOR COOLANT
HOSES
RADIATOR DRAIN VALVE
ELECTRIC GRID AIR INTAKE WARMER
DELCO 12V 38MT HD STARTER WITH INTEGRATED
MAGNETIC SWITCH

Transmission

ALLISON 3000 EVS 6 SPD AUTOMATIC
TRANSMISSION

Transmission Equipment

MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION
DRAIN, AXLE(S) FILL AND DRAIN
PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH
MOUNTED
TRANSMISSION PROGNOSTICS - ENABLED
WATER TO OIL TRANSMISSION COOLER
TRANSMISSION OIL CHECK AND FILL WITH
ELECTRONIC OIL LEVEL CHECK
SYNTHETIC TRANSMISSION FLUID (TES-295
COMPLIANT)

Front Axle and Equipment

DETROIT DA-F-14.7-3 14,700# FF1 71.5 KPI/3.74 DROP
SINGLE FRONT AXLE
BENDIX ADB22X-V AIR DISC FRONT BRAKES
FIRE AND EMERGENCY SEVERE SERVICE, NON-
ASBESTOS FRONT LINING
TRW TAS-85 POWER STEERING
2 QUART SEE THROUGH POWER STEERING
RESERVOIR

Front Suspension

14,600# TAPERLEAF FRONT SUSPENSION
MAINTENANCE FREE RUBBER BUSHINGS
FRONT SHOCK ABSORBERS

Rear Axle and Equipment

RS-23-161 23,000 LB FIRE/EMERGENCY SERVICE
SINGLE REAR AXLE
IRON REAR AXLE CARRIER WITH STANDARD AXLE
HOUSING
MXL 17T MERITOR EXTENDED LUBE MAIN
DRIVELINE WITH HALF ROUND YOKES
BENDIX ADB22X-V AIR DISC REAR BRAKES
FIRE AND EMERGENCY SEVERE SERVICE NON-
ASBESTOS REAR BRAKE LINING
AIR DISC LONGSTROKE 1-DRIVE AXLE SPRING
PARKING CHAMBERS



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REAR AIR DISC BRAKE INTERNAL ADJUSTERS

Rear Suspension

AIRLINER 23,000# FIRE/EMERGENCY REAR AIR
SUSPENSION
DUAL AIR REAR SUSPENSION LEVELING VALVES
TRANSVERSE CONTROL RODS
REAR SHOCK ABSORBERS - ONE AXLE (AIR RIDE
SUSPENSION)

Brake System

WABCO 4S/4M ABS WITH TRACTION CONTROL & ESC
STANDARD AIR SYSTEM PRESSURE PROTECTION
BW AD-9 BRAKE LINE AIR DRYER WITH HEATER
CUSTOM STEEL AIR BRAKE RESERVOIRS
BW DV-2 AUTO DRAIN VALVE WITH HEATER - WET
TANK
UPGRADED CHASSIS MULTIPLEXING UNIT

Wheelbase & Frame

11/32X3-1/2X10-15/16 INCH STEEL FRAME 120KSI
(63 INCH) REAR FRAME OVERHANG

Chassis Equipment

THREE-PIECE 14 INCH CHROMED STEEL BUMPER
WITH COLLAPSIBLE ENDS
FRONT TOW HOOKS - FRAME MOUNTED
GRADE 8 THREADED HEX HEADED FRAME
FASTENERS

Fuel Tanks

50 GALLON POLISHED RECTANGULAR ALUMINUM
FUEL TANK & STEPS
6 GALLON DIESEL EXHAUST FLUID TANK
ALLIANCE FUEL FILTER/WATER SEPARATOR
EQUIFLO INBOARD FUEL SYSTEM

Tires

MICHELIN XZE 12R22.5 16 PLY RADIAL FRONT TIRES
MICHELIN XDN2 12R22.5 16 PLY RADIAL REAR TIRES

Hubs

CONMET PRESET PLUS IRON FRONT HUBS
CONMET PRESET PLUS IRON REAR HUBS

Wheels

22.5X8.25 10-HUB PILOT POLISHED ALUMINUM DISC
FRONT WHEELS
22.5X8.25 10-HUB PILOT POLISHED ALUMINUM DISC
REAR WHEELS



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Cab Exterior

106 INCH BBC FLAT ROOF ALUMINUM
CONVENTIONAL AIR RIDE CAB
NFPA COMPLIANT EXTERIOR GRAB HANDLES
HOOD MOUNTED CHROMED PLASTIC GRILLES
CHROME HOOD MOUNTED AIR INTAKE GRILLE
FIBERGLASS HOOD WITH FIREWALL INSULATION
VALVE AND PLUMBING FOR CUSTOMER FURNISHED
AIR HORNS, WITH ACTIVATION CONTROLS
INCLUDED
DUAL ELECTRIC HORNS
HALOGEN COMPOSITE HEADLAMPS WITH BRIGHT
BEZELS AND DAYTIME RUNNING LIGHTS
LED AERODYNAMIC MARKER LIGHTS
DUAL 102" WEST COAST BRIGHT FINISH HEATED
MIRRORS WITH LH AND RH REMOTE
LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS
MOUNTED UNDER PRIMARY MIRRORS
REAR WINDOW DELETE
TINTED DOOR GLASS LH AND RH WITH TINTED NON-
OPERATING WING WINDOWS
RH/LH ELECTRIC PWRED WINDOWS & DOOR LOCKS
TINTED WINDSHIELD
8 LITER WINDSHIELD WASHER RESERVOIR, CAB
MOUNTED, WITHOUT FLUID LEVEL INDICATOR



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Cab Interior

OPAL GRAY VINYL INTERIOR
MOLDED PLASTIC DOOR PANELS WITH ALUMINUM
KICKPLATES LOWER DOORS
BLACK MATS WITH PREMIUM INSULATION
GRAY INSTRUMENT PANELS
IN DASH STORAGE BIN
AM/FM/WB DASH MTD RADIO WITH CD PLAYER,
BLUETOOTH AND MICROPHONE, USB, AUXILIARY
INPUTS AND J1939
(2) CUP HOLDERS LH AND RH DASH
HEATER, DEFROSTER AND AIR CONDITIONER
MAIN HVAC CONTROLS W/ RECIRCULATION SWITCH
SOLID-STATE CIRCUIT PROTECTION AND FUSES
12V NEGATIVE GROUND ELECTRICAL SYSTEM
DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY
LH AND RH DOORS
SEATS INC 911 UNIVERSAL SERIES HIGH BACK AIR
SUSPENSION DRIVER SEAT NFPA COMPLIANT
SEATS INC 911 UNIVERSAL SERIES HIGH BACK AIR
SUSPENSION PASSENGER SEAT NFPA COMPLIANT
DUAL DRIVER SEAT ARMRESTS AND INBOARD
PASSENGER SEAT ARMREST
LH AND RH INTEGRAL DOOR PANEL ARMRESTS
GRAY VINYL SEAT COVERS WITH GRAY CORDURA
CLOTH BOLSTERS AND HEADRESTS
NFPA 1901-2009 HIGH VISIBILITY ORANGE SEAT
BELTS
ADJUSTABLE TILT AND TELESCOPING STEERING
COLUMN
4-SPOKE 18 INCH STEERING WHEEL
DRIVER AND PASSENGER INTERIOR SUN VISORS



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Instruments & Controls

BLACK GAUGE BEZELS
LOW AIR PRESSURE INDICATOR LIGHT AND
AUDIBLE ALARM
2 INCH PRIMARY AND SECONDARY AIR PRESSURE
GAUGES
ENGINE COMPARTMENT MOUNTED AIR
RESTRICTION INDICATOR WITH GRADUATIONS
CUSTOM 97 DB BACKUP ALARM
ELECTRONIC CRUISE CONTROL WITH SWITCHES IN
LH SWITCH PANEL
ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED
WARNING LAMPS AND DATA LINKED
FIRE AND EMERGENCY SERVICE VEHICLES ENGINE
WARNING
2 INCH ELECTRIC FUEL GAUGE
ELECTRICAL ENGINE COOLANT TEMPERATURE
GAUGE
2 INCH TRANSMISSION OIL TEMPERATURE GAUGE
ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN
DRIVER DISPLAY
ELECTRIC ENGINE OIL PRESSURE GAUGE
ELECTRONIC MPH SPEEDOMETER WITH
SECONDARY KPH SCALE
ELECTRONIC 3000 RPM TACHOMETER
IGNITION SWITCH CONTROLLED ENGINE STOP
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH
DRIVER DISPLAY
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH
DELAY
MARKER LIGHT SWITCH INTEGRAL WITH
HEADLIGHT SWITCH
ONE VALVE PARKING BRAKE SYSTEM WITH DASH
VALVE
SELF CANCELING TURN SIGNAL SWITCH WITH
DIMMER, WASHER/WIPER AND HAZARD IN HANDLE
INTEGRAL ELECTRONIC TURN SIGNAL FLASHER
WITH HAZARD LAMPS OVERRIDING STOP LAMPS

Paint Design

TWO COLOR CUSTOM BASE/CLEAR COAT COLORS
BLACK, HIGH SOLIDS POLYURETHANE CHASSIS
PAINT

CAB TO AXLE DIMESION

Cab to axle will be 109.5".



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CHASSIS MODIFICATIONS

LUBRICATION AND TIRE DATA PLATE

A permanent label in the driving compartment shall specify the quantity and type of the following fluids used in the vehicle and tire information:

- Engine oil
- Engine coolant
- Chassis transmission fluid
- Pump transmission lubrication fluid (if applicable)
- Pump priming system fluid, if applicable (if applicable)
- Drive axle(s) lubrication fluid
- Air conditioning refrigerant (if applicable)
- Air conditioning lubrication oil (if applicable)
- Power steering fluid
- Cab tilt mechanism fluid (if applicable)
- Transfer case fluid (if applicable)
- Equipment rack fluid (if applicable)
- CAFS air compressor system lubricant (if applicable)
- Generator system lubricant (if applicable)
- Front tire cold pressure
- Rear tire cold pressure
- Maximum tire speed ratings

VEHICLE DATA PLATE

A permanent label in the driving compartment which indicates the following:

- Filter part numbers for the;
- Engine
- Transmission
- Air
- Fuel
- Serial numbers for the;
- Engine
- Transmission
- Delivered Weights of the Front and Rear Axles
- Paint Brand and Code(s)
- Sales Order Number



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OVERALL HEIGHT, LENGTH DATA PLATE (US)

The fire apparatus manufacturer shall permanently affix a high-visibility label in a location visible to the driver while seated.

The label shall show the height of the completed fire apparatus in feet and inches, the length of the completed fire apparatus in feet and inches, and the GVWR in pounds.

Wording on the label shall indicate that the information shown was current when the apparatus was manufactured and that, if the overall height changes while the vehicle is in service, the fire department must revise that dimension on the plate.

PERSONNEL CAPACITY

A label that states the number of personnel the vehicle is designed to carry shall be located in an area visible to the driver.

SEAT BELT WARNING - FAMA06/07

A safety sign FAMA06 shall be visible from each seat that is not equipped with occupant restraint and therefore not intended to be occupied while the vehicle is in motion.

A safety sign FAMA07, which warns of the importance of seat belt use, shall be visible from each seat that is intended to be occupied while the vehicle is in motion.

EQUIPMENT MOUNTING FAMA10

A safety sign FAMA10, which warns of the need to secure items in the cab, shall be visible inside the cab.

FIRE SERVICE TIRES - FAMA12

A safety sign FAMA12, which warns of the special requirements for fire service-rated tires, shall be visible to the driver entering the cab of any apparatus so equipped.

HELMET WARNING - FAMA15

A safety sign FAMA15, which warns not to wear helmets while the vehicle is in motion, shall be visible from each seat that is intended to be occupied while the vehicle is in motion.

CLIMBING METHOD - FAMA23

A safety sign FAMA23, which warns of the proper climbing method, shall be visible to personnel entering the cab and at each designated climbing location on the body.



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REAR STEP CROSSWALK WARNING - FAMA24

A safety sign FAMA24, which warns personnel not to ride on the vehicle, shall be located at the rear step areas and at any cross walkways.

FINAL STAGE MANUFACTURER VEHICLE CERTIFICATION

A final stage manufacturer vehicle certification label shall be provided and installed in the driver cab door jamb area.

FRONT BUMPER EXTENSION

The front bumper of the chassis shall be extended approximately 16" ahead of the cab using Junior I-beams.

The bumper mounting plate shall be welded to the Junior I-beam for mounting of the chassis bumper. After fabrication of the bumper extension, the panels shall be removed and the unit shall be primed and painted black.

BUMPER GRAVEL SHIELD

The front bumper extension shall have a 3/16" NFPA compliant aluminum tread plate gravel shield. The gravel shield shall cover the full width of the front bumper to the front of the cab and the full height of the bumper on each end.

AIR HORNS

Two (2) Grover 24" Stuttertone chrome plated air horns shall be mounted, one (1) each side of the cab hood. An emergency air shut off valve shall be provided in cab.

AIR HORN ACTIVATION

The air horn(s) shall be operated by the steering wheel horn button and a foot switch on the cab floor at the officer's position.

AIR HORN / ELECTRIC HORN SWITCH

There shall be a switch which allows the driver to select the steering column horn ring operation. This switch shall allow the driver to select either the air horn or electric horn activation.

MOTOR DRIVEN SIREN

There shall be a Santa Fe Springs Fire Department supplied B & M Super Chief motor driven rotary siren with chrome plated grill and housing, recess in the extended front bumper. The siren shall be wired through the master warning light switch, and properly wired with heavy copper cable for minimum voltage drop.

The siren shall be located at the center of the front bumper.

There shall be a siren brake installed in the rocker switch control panel to activate the siren brake.



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SIREN ACTIVATION

There shall be two (2) foot switches provided to activate the siren; one (1) for the driver, and one (1) for the officer. The switches shall be mounted on the floor in a location to prevent accidental activation.

FRONT TOW PROVISIONS

The front tow provisions shall be supplied and installed by the cab/chassis manufacturer.

AIR INTAKE SYSTEM

An air filter shall be provided in the engine's air intake system by the body builder. Air inlet restrictions shall not exceed the engine manufacturer's recommendations.

The air inlet shall be equipped with a means of separating water and burning embers from the air intake system.

This requirement shall be permitted to be achieved by either of the following methods:

1. Provision of a device such that burning particulate matter larger than 0.039 in. (1.0 mm) in diameter cannot reach the air filter element.
2. Provision of a multi-screen ember separator capable of meeting the test requirements defined in the Parker Hannafin, Racor Division, publication LF 1093-90, *Ember Separation Test Procedure*, or an equivalent test.

EXHAUST

The exhaust system shall be as provided by cab/chassis manufacturer. The tailpipe may require some modifications for proper ground clearances and fit with body.

The exhaust piping and discharge outlet shall be located or shielded so as not to expose any portion of the vehicle or equipment to excessive heating.

Exhaust pipe discharge shall be directed away from any operator's position or entry doors on body.

Where parts of the exhaust system are exposed so that they are likely to cause injury to operating personnel, protective guards shall be provided.



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EXHAUST DIVERTER

An exhaust diverter valve shall be located in-line of exhaust tubing and controlled from driver's position to re-route exhaust discharge. Exhaust diverter valve shall be constructed from 14-gauge stainless steel material with air actuated control.

As a default, the exhaust shall always discharge to streetside just ahead of rear wheels and whenever the park brake is release. The exhaust will automatically divert to the vertical pipe when the generator is engaged. The operator will also have the ability to manually select the exhaust location from the Vista Screen with the park brake engaged.

The exhaust piping and discharge outlet shall be located or shielded so as not to expose any portion of the apparatus or equipment to excessive heating.

Exhaust pipe discharge shall be directed away from any operator's position.

Where parts of the exhaust system are exposed so that they are likely to cause injury to operating personnel, protective guards shall be provided.

RAIN CAP ON EXHAUST

There shall be a rain cap furnished and installed on the chassis exhaust system.

PLYMOVENT ADAPTER

A Plymovent exhaust diverter shall be provided and mounted to the lower horizontal exhaust discharge.

RADIO/ANTENNA INSTALLATION

There shall be one (1) Santa Fe Springs Fire Department supplied radio(s) with antenna installed in the cab within easy reach of driver. The location of radio shall be determined by the Santa Fe Springs Fire Department at the pre-construction meeting. All required radio programming shall be responsibility of Santa Fe Springs Fire Department. Radio(s) may not be fully tested if no radio program is provided with radio and will be responsibility of Santa Fe Springs Fire Department after delivery.

Radio shall be installed per Manufacturer's requirements and wired for proper 12 volt power and ground.

12 VDC USB, DUAL PORT PLUG

There shall be two (2) 12 volt dual port USB plug(s) provided and installed in the cab console, wired battery direct. The location of the USB plugs shall be determined by the Santa Fe Springs Fire Department at the pre-construction meeting.



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MOBILE DATA CONSOLE INSTALLATION

There shall be one (1) Santa Fe Springs Fire Department supplied MDC with antenna(s) installed in the cab in the forward portion of the center console. The location of the MDC shall be determined by the Santa Fe Springs Fire Department at the pre-construction meeting. All required MDC programming shall be responsibility of Santa Fe Springs Fire Department. MDC(s) may not be fully tested if no programming is provided with radio and will be responsibility of Santa Fe Springs Fire Department after delivery.

MDC shall be installed per Manufacturer's requirements and wired for proper 12 volt power and ground and wired battery direct.

RADIO CHARGER INSTALLATION

There will be two (2) Santa Fe Springs Fire Department supplied handheld radio chargers installed on the center console. The exact layout will be provided for approval prior to fabrication.

SCBA SEAT AIR PACK BRACKETS

No SCBA air pack bracket(s) shall be provided in specified commercial cab SCBA seats. Santa Fe Springs Fire Department will provide and install necessary bracket(s) after delivery.

SEAT BELT COLOR

Section 14.1.3.4 of the NFPA 1901 Standards, requires all seat belt webbing in cab to be bright red or bright orange in color, and the buckle portion of the seat belt shall be mounted on a rigid or semi rigid stalk such that the buckle remains positioned in an accessible location.

SEAT BELT WEB LENGTH - COMMERCIAL CAB

Sections 14.1.3.2 and 14.1.3.3 of the NFPA 1901 standards, require the effective seat belt web length for a Type 1 lap belt for pelvic restraint to be a minimum of 60", and a Type 2 pelvic and upper torso restraint-style seat belt assembly to be a minimum of 110".

The chassis seat belt web length as supplied by the commercial chassis manufacturer shall be compliant to NFPA Standards 14.1.3.2 and 14.1.3.3.

SEAT BELT MONITORING AND VEHICLE DATA RECORDER (VDR) SYSTEMS

SEAT BELT MONITORING

A Weldon 6204 series system with Vista IV display shall be provided and installed to allow the driver to know if all persons seated in the vehicle are secured with seat belts before moving the vehicle. Built-in smart seating logic shall detect if the correct sit and buckle sequence is not followed for all seats. System shall also provide an output for an external alarm. Weldon diagnostic port will be located under dash on driver side. System shall include the following features;



VEHICLE DATA RECORDER (VDR)

The vehicle data recorder shall have the following features;

- Recorded Data Includes: Vehicle Speed, Acceleration, Deceleration, Engine Speed, Engine Throttle Position, ABS Event, Seat Occupied Status, Seat Belt Status, Master Optical Warning Switch, Park Brake, Service Brake, Time, Date and Engine Hours.
- Password Protected by the customer
- Six (6) seat position inputs for occupied and belts buckled. Additional six (6) seat expansion module available.
- Easily interfaces with V-MUX™ or other multiplexing systems
- Data is extracted by a standard, mini USB cable

OCCUPANT RESTRAINT INDICATOR

The occupant restraint indicator shall have the following features;

- Will be displayed on Vista IV panel.
- Supports commercial and custom cab seating layouts; up to 12 seats
- Built-in audible alarm
- Use in conjunction with Vehicle Data Recorder (VDR)

IGNITION KEY

If the vehicle is specified to have an ignition key it will be attached to steering column or dash with vinyl covered steel cable.

Four (4) spare keys shall be supplied with the completed apparatus.

SIX (6) – LED TIRE PRESSURE VISUAL INDICATORS

Each tire shall be equipped with a VECSAFE heavy duty valve cap (or equal) LED indicator that indicates proper tire pressure. The VECSAFE valve cap is self-calibrating. When the cap is mounted on the valve stem the first time, it will memorize that tire pressure, and can be set to recognize a drop in pressure as little as 4 psi. It can be checked for functionality and battery condition by simply unscrewing the cap. If it is in working condition, it will immediately start blinking.

HELMET STORAGE

No helmet storage is required in the cab driving area.

HELMET STORAGE

No helmet storage is required in the cab crew area.



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CAB CRASH TEST CERTIFICATION

A cab crash test certification from the fire apparatus manufacturer shall be provided with the equipment. A copy of this certification shall be included with the bid.

NOTE: There shall be no exception to any portion of the cab integrity certification requirements. Nonconformance shall lead to immediate rejection of bid.

The certification shall state that the cab does meet or exceed the requirements below:

- European Occupant Protection Standard ECE Regulation No. 29.
- SAE J2422 Cab Roof Strength Evaluation - Quasi-Static Loading Heavy Trucks.

CAB MIRRORS, DRIVER ADJUSTABLE

Section 14.3.5 of the NFPA 1901 Standards, 2009 edition, requires all primary rear view mirrors used by the driver to be adjustable from the driver's position.

RE-PAINT CAB - TWO COLOR

The cab exterior (door jambs not painted unless specified otherwise) shall be re-painted with PPG Delfleet Evolution paint.

Exterior Upper Color:

Exterior Upper Paint Number:

Exterior Lower Color:

Exterior Lower Paint Number:

PAINT DOOR JAMBS JOB COLOR

Two (2) chassis door jambs will be painted to match the exterior color of the chassis.

CHASSIS PAINT WARRANTY

The portion of the cab re-painted shall be provided with a ten (10) year, non-prorated paint warranty to the original owner. The warranty shall be provided by PPG Inc. A warranty sheet with all conditions and maintenance procedures shall be provided with the delivered vehicle.



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CAB STEP COVER AND BATTERY COMPARTMENT

The stock cab upper and lower entry steps shall be overlaid with 1/8" NFPA compliant aluminum treadplate. There will be a removable panel to access and replace the chassis batteries and a hinged fuel fill access door.

The maximum stepping height shall not exceed 18", with the exception of the ground to first step, which shall not exceed 24" when the vehicle is loaded to its estimated in-service weight. All steps shall have a minimum area of 35 sq. in and shall be of such a shape that a 5" diameter disk does not overlap any side when placed on the step, and shall be arranged to provide a t least 8" of clearance between the leading edge of the step and any obstruction. All platforms shall have a minimum depth of 8" from the leading edge of the platform to any obstruction.

The following options will be cut into the step cover:

BATTERY JUMPER STUDS

Two (2) battery jumper studs, one (1) positive with a red weather cover, and one (1) negative with a black weather cover shall be provided in the lower front portion of the driver step area. Jumper studs shall be identified with color coded label.

These studs shall allow this vehicle to be jump started due to a battery failure, or to allow easy access to assist another vehicle.

HUB AND NUT COVERS

Front and rear wheels shall be provided with stainless steel hub caps and wheel nut covers.

MUDFLAPS

There shall be 1/4" rubber mudflaps provided and installed behind each set of tires to prevent throwing road debris and lower road spray.

AIR BRAKE SYSTEM QUICK BUILD-UP

The air brake quick build-up system shall be supplied from the cab/chassis manufacturer.

The quick buildup system shall provide sufficient air pressure so that the apparatus has no brake drag and is able to stop under the intended operating conditions following the 60-second buildup time.



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ELECTRIC DOOR LOCK INTERFACE

Electric door locks shall be provided and interfaced as follows;

The electric cab door locks shall be provided by the cab/chassis manufacturer.

The cab door electric lock system shall not be interfaced with the body doors.

There will be a hidden lock control switch located behind the grill on the driver's side. It will be a momentary push button style button.

ROAD EMERGENCY SAFETY KIT

The DOT required reflective triangles, warning flares, and fire extinguisher shall be provided by cab and chassis supplier.

BODY DESIGN

The importance of public safety associated with emergency vehicles requires that the construction of this vehicle meet the following specifications. These specifications are written to establish the minimum level of quality and design. All Bidders shall be required to meet these minimum requirements.

It is the intent of these specifications to fully describe the requirements for a custom built emergency type vehicle. In order to extend the expected service life of this vehicle, the body module shall be removable from the chassis frame and be capable of being installed on a new chassis.

The sheet metal material requirements, including alloy and material thickness, throughout the specifications are considered to be a minimum. Since such materials are available to all Manufacturers, the material specifications shall be strictly adhered to.

The fabrication of the body shall be formed sheet metal. Formed components shall allow the Santa Fe Springs Fire Department to have the body repaired locally in the case where any object has struck the body and caused damage. The use of proprietary extrusions will prevent the Santa Fe Springs Fire Department from such repair and shall NOT be used.

Following construction of the subframe, which supports the apparatus body, the sheet metal portion of the body shall be built directly on the subframe. The joining of the subframe and body shall be of a welded integral construction.

The sheet metal fabrication of the body shall be performed using inert gas continuous feed welders only. The entire body shall be welded construction. The use of pop rivets in any portion of structural construction may allow premature failure of the body structure. Therefore, pop rivets shall NOT be used in the construction of the structural portions of the body. This includes side body sheets, inner panels of compartment doors, and any other structural portions of the body.



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EXTERIOR ALUMINUM BODY

The fabrication of the body shall be constructed from aluminum 3003H-14 alloy smooth plate. This shall include compartment front panel, vertical side sheets, side upper rollover panels, rear panels and compartment door frames.

The body compartment floors and exterior panels shall be constructed with not less than 3/16" (.187) aluminum 3003H-14 smooth plate. Interior compartment dividing walls shall be constructed with not less than 1/8" (.125) aluminum 3003H-14 smooth plate. Lighter gauge sheet metal will not be acceptable in these areas, No Exceptions.

The front and rear corners of body shall be formed as part of the front or rear body panels. This provides a stronger body corner and finished appearance. The use of extruded corners, or caps will not be acceptable, No Exceptions.

The door side frame openings shall be formed "C" channel design. An electrical wiring conduit raceway running the full length of exterior compartments shall be provided. This raceway shall contain all 12 volt wiring running to the rear of the apparatus, permitting easy accessibility to wiring.

Individual compartment modules, with dead air space voids between compartments, will not be an acceptable method of compartment construction.

The compartments shall be an integral part of the body construction. Compartment floors from front of body to ahead of rear axle, also from rear axle to rear of body shall be single one-piece sections. Compartment floors shall be preformed, then positioned in body and welded into final position.

Compartment floors shall have a "sweep-out" design with door opening threshold positioned lower than compartment floor, permitting easy cleaning of compartments. Angles, lips, or door moldings are not acceptable in the base of compartment door opening. One-way rubber drain valves shall be provided in compartment floors so that a water hose may be used to flush-out compartment area.

All exterior seams in sheet metal below frame, and around the rear wheel well area shall be welded and caulked to prevent moisture from entering the compartments. All other interior seams and corners shall be sealed with silicone based caulk prior to painting.

Only stainless steel bolts, nuts, and sheet metal screws shall be used in mounting exterior trim, hardware and equipment.

DRIP RAILS

The body shall have drip rails over the side full height compartments. The drip rails shall be formed into the upper body panels providing a ridged lower panel and a flat upper body panel surface. The use of mechanically fastened, taped or glued on drip rails will not be acceptable, No Exceptions.



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ROOF CONSTRUCTION

The roof structure shall be integral with the body sheet metal construction and shall be an all welded assembly. The body roof structure shall be overlaid with not less than 3/16" aluminum 3003H-14 alloy tread plate and welded to roof structure and body sheet metal. All seams in roof material shall be fully and continuously welded to prevent entry of moisture.

There shall be a total of four (4) 2" x 2" x 1/4" 6061-T6 alloy aluminum "C" channels running the length of body, two (2) on each outboard side. These "C" channels shall be used for roof support and in addition shall be used for mounting of any specified reels. This open "C" channel design along with special reel mounting clips allows for a universal location of any specified reels within each compartment.

In between the two (2) center "C" channels running the length of body shall be 2" x 2" x 1/4" 6061-T6 alloy aluminum tubing running in between and welded in place on approximate 16" centers to support roof and/or walkway structure if specified.

A 2" formed radius shall be provided along the body sides and utilized as a wiring trough. The use of aluminum extrusions in this area shall not be acceptable.

BODY SUBFRAME

The chassis frame rails shall be fitted with 1/4" custom extruded UHMW polyethylene rail cap to isolate the body frame members from direct contact with chassis frame rails.

The body subframe shall be constructed from 6061T6 aluminum alloy tubing. Subframe shall consist of two (2) 2" x 6" x 1/4" aluminum tubes, the same width as the chassis frame rails, NO EXCEPTION. Welded to this tubing shall be cross members of 2" x 6" x 1/4" aluminum. These cross members shall extend the full width of the body to support the compartments. Cross members shall be located at front and rear of the body, below compartment divider walls, and in front and rear of wheel well opening. Additional aluminum cross members shall be located on 16" centers, or as necessary to support walkway or heavy equipment.

To form the frame, the tubing shall be beveled and welded at each joint using 5356 aluminum alloy welding wire.

BODY MOUNTING

The body subframe shall be fastened to the chassis frame with a minimum of six (6) spring loaded body mounts. Each mount shall be configured using a two-piece encapsulated slide bracket. The two (2) brackets shall be fabricated of heavy duty 1/4" thick steel and shall have a powder coat finish to prevent any corrosion. Each mounting assembly shall utilize two (2) 3/4" diameter x 6" long grade 8 bolts and two (2) heavy duty springs. The assembly design shall allow the body and subframe to act as one (1) component, separate from the chassis. As the chassis frame twists under driving conditions, the spring mounting system shall eliminate any stress from being transferred into the body. The spring loaded body mounts shall also prevent frame side rail or body damage caused by unevenly distributed stress and strains due to load and chassis movement.

Body mountings that do not allow relief from chassis movement will not be acceptable.



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10" REAR STEP BUMPER

The full width rear bumper shall be constructed from 2" x 2" x 1/4" aluminum tubing frame and covered with 3/16" NFPA compliant aluminum tread plate. The bumper shall extend from the rear vertical body panel 10" and provide a rear step with a minimum of 1/2" space at body for water drainage.

REAR TOW EYES

There shall be two (2) heavy duty rear mounted tow eyes securely attached to the body subframe, below body. The tow eyes shall be fabricated from 3/4" thick steel plate with a 3" diameter opening. Tow eyes shall have a black powder coat finish.

GROUND LIGHTS

There shall be two (2) OnScene 8" Access LED lights installed below bumper capable of providing illumination at a minimum level of 2 fc (20 lx) on ground areas within 30 in. (800 mm) of the edge of the vehicle in areas designed for personnel to climb onto or descend from the vehicle to the ground level.

Lighting shall be switchable but activated automatically when the vehicle park brake is set.

WHEEL WELL EXTERIOR PANEL

The exterior panel of the body wheel well enclosure shall be constructed from 3/16" smooth aluminum panels.

STAINLESS STEEL BODY FENDERS

The body wheel well openings shall be provided with round radius, polished stainless steel fenderettes. The fenderettes shall be bolted and easily replaceable if damaged. The fenderettes shall be installed using a rubber gasket to reduce buildup of moisture and/or debris.

WHEEL WELL LINERS

The wheel wells shall be provided with an easily removable polymer, circular inner fender liner. The inner liner shall be bolted to the wheel well with stainless steel bolts and spaced away from the wheel well so the liner will not accumulate dirt or water.



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BODY PAINT SPECIFICATIONS

BODY PAINT PREPARATION

After the body and components have been fabricated they shall be disassembled so when vehicle is complete there shall be finish paint beneath the removable components. The body shall be removed from chassis during the paint process to insure proper paint coverage. The body and components shall be metal finished as follows to provide a superior substrate for painting.

The exterior (and interior, if painted) body shall undergo a thorough cleaning process starting with a biodegradable phosphoric acid solution to begin the etching process followed by a complete clear water rinse. The next step shall consist of a chemical conversion coating applied to seal the metal substrate and become part of the metal surface for greater film adhesion.

All bright metal fittings, if unavailable in stainless steel or polished aluminum, shall be chrome plated. Iron fittings shall be copper under plated prior to chrome plating.

PAINT PROCESS

The paint process shall follow the strict standards set forth by PPG Industries guidelines. Painters applying PPG products will be PPG Certified Commercial Technicians, and re-certified every two (2) years. The body shall go through the following paint process;

- Clean bare metal with a wax and grease remover using low lint rags.
- Inspect, straighten, and hammer high points, grind all seams, sharp edges, and welds. DA sand entire paintable surfaces using 24-180 grit dry paper. Plastic fill all low spots and DA sand fill areas using 36-180 grit dry paper. Apply pinhole filler and DA sand areas using 80-180 grit dry paper.
- Re-clean bare metal using a wax and grease remover and low lint rags.
- Within 24 hours, a PPG Delfleet® epoxy color primer with proper hardener for corrosion resistance using a pressure pot spray gun and applying 2-5 full wet coats or 1.5-8.0 dry mils max. achieving full hiding and allow to air dry 60 minutes @ 70°F or bake for 45 minutes @ 140°F degree.
- Inspect, putty fill, and dry guild coat entire body surface and DA sand using 180-400 grit dry paper.
- Re-clean bare metal using a wax and grease remover using low lint rags.
- A PPG Delfleet® primer sealer with proper hardener and thinner shall be sprayed using a pressure pot spray gun and applying 1 full wet coat or 1.0-2.0 dry mils achieving full hiding and allow to flash off in spray booth for minimum of 60 minutes @ 70°F.
- A PPG Delfleet® FBCH basecoat (color) with proper hardener and dry additive shall then be sprayed using a pressure pot set @ 45-60 PSI and achieving full hiding or 1.5-2.0 wet mils and allow to flash off in spray booth 45-60 minutes before applying clearcoat.
- A PPG Delfleet® clearcoat with proper hardener and thinner shall be sprayed using a pressure pot spray gun and applying 2-3 full wet coats or 5.0 wet mils for a uniform gloss and allow to flash off in spray booth 10 minutes and bake for 120-140 minutes @ 125°F (surface temp.).
- After cooling, DA sand heavy orange peel or runs using 1000 grit dry sand paper and final DA sand using 1500-2000 grit dry sand paper. Wipe off all surfaces to remove dust and debris. Buff unit as needed using 3M rubbing compound and a white wool pad and inspect until all sand scratches are removed.



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- Polish as needed using 3M Perfect-It-Polish and a black foam pad, repeat as necessary and inspect until all sand scratches are removed.

PAINT - ENVIRONMENTAL IMPACT

The contractor shall meet or exceed all current State (his) regulations concerning paint operations. Pollution control shall include measures to protect the atmosphere, water and soil. PPG Delfleet® Evolution paint shall be free of all heavy metal (lead & chromate) components. Paint emissions from sanding and painting shall be filtered and collected. All paint wastes shall be disposed of in an environmentally safe manner. Solvents used in cleanup operations shall be collected, sent off-site for distillation and returned for reuse.

FASTENERS

Prior to the assembly and reinstallation of exterior components; i.e. warning and DOT lights, handrails, steps, door hardware, and miscellaneous items, a Mylar isolation tape, or gasket shall be used to prevent damage to the finish painted surface. These components shall be fastened to body using either a plastic insert into body metal with stainless steel screws or zinc coated nut-surts into body surface using stainless steel bolts to prevent corrosion from dissimilar metals.

ELECTROLYSIS CORROSION CONTROL

The vehicle shall be assembled using ECK brand or similar corrosion control compound on all high corrosion potential areas.

ECK protects aluminum and stainless steel against electrolytic reaction, isolates dissimilar metals and gives bedding protection for hardware and fasteners. ECK contains anti-seizing lubricant for threads. ECK is dielectric and perfect for use with electrical connectors.

PAINT FINISH - SINGLE COLOR

The body shall be painted with a single color of PPG Delfleet® Evolution per Santa Fe Springs Fire Department approved paint spray out provided.

A small touch-up bottle of paint shall be provided with completed vehicle.

- Paint Color: RED
- Paint Number: Sikkens LV-FLNA3225

BODY UNDERCOATING

The entire underside of body shall be sprayed with black automotive undercoating. Undercoating shall cover all areas underside of body and wheel well area to help prevent corrosion under the vehicle.



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UNDERCOAT WARRANTY

The body undercoating shall have a warranty provided by the manufacturer for the lifetime of the vehicle or twenty (20) years, whichever occurs first. The warranty shall be transferable between vehicle owners. Should the undercoating material applied to the underside of the body and wheel wells of the vehicle ever flake off, peel, chip or crack due to drying out, the damaged area shall be re-sprayed without charge to the vehicle owner.

PAINT WARRANTY

The vehicle shall be provided with a ten (10) year non-prorated warranty to the original owner. Warranty is provided by PPG Inc. A warranty sheet with all conditions and maintenance procedures shall be provided with the delivered vehicle. **Pro-rated warranties will not be acceptable.**

COMPARTMENT INTERIOR FINISH

The compartment interior paintable surfaces shall be prepared and DA sanded using 80-120 grit dry paper and cleaned with a wax and grease remover. A PPG Delfleet® primer topcoat of either a solids epoxy primer or an etch primer shall be applied.

A PPG Delfleet® color primer with proper hardener and thinner mix shall then be sprayed using a pressure pot spray gun and applying 2 wet coats achieving full hiding on entire compartment surface and allow to air dry for 30 minutes @ 70°F before applying texture coat.

A PPG Delfleet® F3985 White/F3986 Gray top coat/texture coat with proper hardener and dry additive shall then be sprayed using a pressure pot and reducing the atomizing air pressure and turn fan pattern all the way in on the gun. Apply the first color texture coat as needed and allow to air dry @ 70°F over night before assembly and 7 days before putting into full service.

REFLECTIVE STRIPE REQUIREMENTS

Material

All retroreflective materials shall conform to the requirements of ASTM D 4956, *Standard Specification for Retroreflective Sheeting for Traffic Control*, Section 6.1.1 for Type I Sheeting.

All retroreflective materials used that are colors not listed in ASTM D 4956, Section 6.1.1, shall have a minimum coefficient of retro-reflection of 10 with observation angle of 0.2 degrees and entrance angle of -4 degrees.

Any printed or processed retroreflective film construction used shall conform to the standards required of an integral colored film as specified in ASTM D 4956, Section 6.1.1.



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Minimum Requirements

A retroreflective stripe(s) shall be affixed to at least 50 percent of the cab and body length on each side, excluding the pump panel areas, and at least 25 percent of the width of the front of the apparatus.

The stripe or combination of stripes shall be a minimum of 4 in. (100 mm) in total width.

The 4 in. (100 mm) wide stripe or combination of stripes shall be permitted to be interrupted by objects (i.e., receptacles, cracks between slats in roll up doors) provided the full stripe is seen as conspicuous when approaching the apparatus.

GRAPHICS PROOF

A color graphics proof of the reflective striping layout shall be provided for approval by Santa Fe Springs Fire Department prior to installation. The graphics proof shall be submitted to Santa Fe Springs Fire Department on 8.5" x 11" sheets with front, sides, rear and plan views, each on one (1) sheet. In addition, if there is any special art work an additional sheet shall be provided showing all details.

REFLECTIVE STRIPE - CAB SIDE

The reflective stripe material shall be 6" wide, 3M Scotchcal 680 series.

- This reflective stripe shall be white in color.

There shall be a 1/4" Scotchcal reflective pinstripe located directly above and a second 1/4" Scotchcal reflective stripe located directly below the main stripe.

- This reflective stripe shall be black in color.

REFLECTIVE STRIPE - CAB FRONT

The reflective stripe material shall be 6" wide, 3M Scotchcal 680 series.

- This reflective stripe shall be white in color.

There shall be a 1/4" Scotchcal reflective pinstripe located directly above and a second 1/4" Scotchcal reflective stripe located directly below the main stripe.

- This reflective stripe shall be black in color.



REFLECTIVE STRIPE - CAB DOOR INTERIOR

Any door of the apparatus designed to allow persons to enter or exit the apparatus shall have at least 96 in.2 (62,000 mm2) of retroreflective material affixed to the inside of the door.

The stripe material shall be 3M Scotchlite 680.

- This reflective stripe shall be white in color.

REFLECTIVE STRIPE - BODY SIDES

The reflective stripe material shall be 6" wide, 3M Scotchcal 680 series.

- This reflective stripe shall be white in color.

There shall be a 1/4" Scotchcal reflective pinstripe located directly above and a second 1/4" Scotchcal reflective stripe located directly below the main stripe.

- This reflective stripe shall be black in color.

The stripe shall extend from the front of cab in a straight line, then just ahead of the rear wheels the stripe shall angle up and extend straight back to the rear of the body.

CHEVRON REFLECTIVE STRIPE - CENTER REAR

At least 50 percent of the rear-facing vertical surfaces, visible from the rear of the apparatus, excluding any pump panel areas not covered by a door, shall be equipped with retroreflective striping in a chevron pattern sloping downward and away from the centerline of the vehicle at an angle of 45 degrees. Each stripe shall be 6" width.

Only the rear center body area shall have a chevron style reflective stripe layout that covers the rear center body panel, or roll-up door (if specified), extending from bumper height up to side compartment drip rail height. Chevron panels shall have a 3M UV over laminate to protect from UV rays, scene damage, and everyday use. Chevron panels shall have a minimum 10 year warranty for material failure, and colorfastness.

The stripe material shall be 3M Diamond Grade.

This reflective chevron stripe shall alternate red and fluorescent yellow-green in color.



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LETTERING

GRAPHICS PROOF

A color graphics proof of the lettering layout shall be provided for approval by Santa Fe Springs Fire Department prior to installation. The graphics proof shall be submitted to Santa Fe Springs Fire Department on 8.5" x 11" sheets with front, sides, rear and plan views, each on one (1) sheet. In addition, if there is any special art work an additional sheet shall be provided showing all details.

The following lettering shall be provided and installed on the completed unit as follows;

SIDE CAB DOOR LETTERING

There shall be forty (40) 3" high SuperGold letters furnished and installed on the vehicle. Lettering shall have a clear 3M UV Protective Over Laminate applied before installation.

"SANTA FE SPRINGS"
"FIRE - RESCUE"

Final design and layout shall be determined prior to construction.

UPPER BODY SIDE LETTERING

There shall be eighty (80) 10" high reflective letters furnished and installed on the vehicle.

- This reflective lettering color shall be white with a black shadow.

REAR BODY LETTERING

There shall be six (6) 6" high reflective letters furnished and installed on the vehicle.

"SFS 828"

- This reflective lettering shall be white in color.

There shall be nineteen (19) 3" high SuperGold with black shadow letters furnished and installed on the vehicle. Lettering shall have a clear 3M UV Protective Over Laminate applied before installation.

"SANTA FE SPRINGS"
"FIRE - RESCUE"

BODY ROOF LETTERING

There shall be three (3) 22" high reflective letters furnished and installed on the vehicle.

- This reflective lettering shall be white in color.



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EXTERIOR COMPARTMENT DOORS

ROLL-UP DOOR CONSTRUCTION - ROBINSON (ROM)

The vehicle shall be equipped with R•O•M Series IV roll-up exterior compartment doors. The R•O•M roll-up doors shall be complete with the following features;

Each shutter slat, track, bottom rail, and drip rail shall be constructed from anodized 6063 T6 aluminum. Shutter slats shall feature a double wall extrusion 0.315" thick with a concave interior surface to minimize loose equipment jamming the shutter door closed. Shutter slats shall feature an interlocking end shoe to prevent side to side binding of the shutter door during operation. Slat must have interlocking joints with an inverted locking flange. Slat inner seal shall be a one piece PVC extrusion; seal design will be such to prevent metal to metal contact while minimizing dirt and water from entering the compartment.

Shutter door track shall be one piece design with integral overlapping flange to provide a clean finished look without the need of caulk. Door track shall feature an extruded Santoprene rubber double lip low profile side seal with a silicone co-extruded back to reduce friction during shutter operation.

Shutter bottom rail shall be a one piece double wall extrusion with integrated finger pull. Finger pull shall be curved upward with a linear striated surface to improve operator grip while operating the shutter door. Bottom rail shall have a smooth contoured interior surface to prevent loose equipment from jamming the shutter door. Bottom rail seal shall be made from Santoprene; it will be a double "V" seal to prevent water and debris from entering compartment. Bottom rail lift bar shall be a one piece "D" shaped aluminum extrusion with linear striations to improve operator grip during operation. Lift bar shall have a wall thickness of 0.125". Lift bar shall be supported by no less than two pivot blocks; pivot blocks shall be constructed from Type 66 Glass filled reinforced nylon for superior strength. Bottom rail end blocks shall have incorporated drain holes which will allow any moisture that collects inside the extrusion to drain out.

Shutter door shall have an enclosed counter balance system. Counter balance system shall be 4" in diameter and held in place by two (2) heavy duty 18 gauge zinc plated plates. Counter balance system shall have two (2) over-molded rubber guide wheels to provide a smooth transition from vertical track to counter balance system; no foam material of any kind shall be permitted or used in this area.

ROM DOOR BOTTOM RAIL

All exterior compartment doors shall have the standard 3.0" tall bottom rail extrusion for easy one (1) hand opening and closing.

The specified retroreflective stripe material shall be applied on the roll-up compartment doors. The stripe shall be precision machine cut for each door slat of the roll-up doors. Under no circumstance will the stripe material be cut on roll-up door surface.



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BODY HEIGHT MEASUREMENTS

The vertical body dimensions shall be as follows:

AHEAD OF REAR AXLE

	<u>Description</u>	<u>Dimension</u>
A	Bottom of Subframe to Top of Body	74.0"
B	Bottom of Subframe to Bottom of Body	21.5"
C	Vertical Door Opening	
	-with roll-up door	67.5"
	-with hinged door	71.5"

ABOVE REAR AXLE

	<u>Description</u>	<u>Dimension</u>
D	Vertical Door Opening - Above Rear Wheel	
	-with roll-up door	36.0"
	-with hinged door	40.0"

BEHIND REAR AXLE

	<u>Description</u>	<u>Dimension</u>
E	Bottom of Subframe to Bottom of Body	18.5"
F	Vertical Door Opening	
	-with roll-up door	64.5"
	-with hinged door	68.5"

GENERAL

	<u>Description</u>	<u>Dimension</u>
G	Bottom of Drip Rail to Top of Body	20.5"

(Dimensions are approximate and subject to change during construction or design process.)

BODY WIDTH DIMENSIONS

The body shall be 100.0" wide, and 102.0" wide at drip rails. Interior compartment depth dimensions shall be approximately:

<u>Area Description</u>	<u>Dimension</u>
Transverse above subframe	95.0"
Compartment depth below subframe	24.5"



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STREETSIDE COMPARTMENT - FRONT (S1)

The interior useable compartment space shall be approximately 70.0" wide.

The compartment door opening shall be approximately 63.0" wide.

This compartment shall have a R•O•M series IV roll-up door.

- The roll-up door slats and the door track components shall be painted to match the single tone exterior color.
- The door shall be equipped with a CPI harsh environment mechanical type door ajar switch located inside compartment interior lower door track.
- A keyed cylinder lock shall be provided on bottom rail of the roll-up door. The lock will be keyed to 1250.
- One (1) 1" wide nylon strap shall be provided to assist in closing the compartment door. The strap shall be fastened to the lower left inside door sill with a nickel plated Footman loop secured to back of door. The strap shall extend from door to a nickel plated Footman loop secured to wall or vertical slot of Shelf-Trac on left side of the door opening.
- A compartment threshold protection plate shall be installed on the bottom edge of the compartment door opening. The threshold protection shall be fabricated from an aluminum extrusion with an anodized exterior finish.

COMPARTMENT LAYOUT

- There shall be vertically mounted aluminum Shelf-Trac for specified component installation. Shelf-Trac extrusion shall have side extruded channels for use in mounting or securing special ancillary items, without need for drilling into body.
- There shall be one (1) adjustable shelf/shelves approximately 30" deep. Each shelf shall be fabricated from 3/16" 3003 aluminum sheet with a 2" vertical flange along the front and rear edges.
- The above component(s) shall have a smooth un-painted finish.
- There shall be two (2) OnScene Solutions 83 series aluminum tray base with 70% extension, and rating of 1,000 lbs. Slide-out tray(s) base shall be approximately 94" deep, capable of extending out either side of the body located above the level of the chassis frame rails. Each slide base shall have a cable operated, spring loaded latch complimented by a large hand opening and red pull handle (Pull to Release) which will lock the tray in the closed, 40% extended and 70% extended positions. Each tray top shall be fabricated from 3/16" 3003 aluminum sheet shall have welded corners to form a box type tray surface with an internal depth of approximately 3 1/2". One (1) tray will be used to hold the table/chair module and will not have a full lip, and one (1) tray will be located rearward of the partition for storage.



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- The above component(s) shall have a smooth un-painted finish.
- There shall be one (1) bolt-in vertical compartment partition(s) provided dividing the compartment into left and right sides. The vertical partition(s) shall be 3/16" (.188) 3003H-14 alloy smooth aluminum sheet.
- There shall be one (1) transverse table and chair storage module for the following equipment;
 - Four (4) FD supplied folding tables 5' long
 - Twenty-Four (24) FD supplied folding chairs
- There shall be four (4) OnScene Solutions cargo straps provided to secure the stored equipment.
- The floor of the compartment above the frame rails shall be extended to the interior edge of the door. The floor shall have a 2" vertical lip and a 1" return to increase strength.
- Two (2) OnScene 64" Access LED compartment lights, vertically mounted.
- There shall be one (1) underbody slide-out step. Platform shall be constructed from 9" deep DiamondBack non-slip vented aluminum stair treads mounted to underbody using Delron plastic slides for corrosion resistance. Step slide shall be securely held in both out and stored position, utilizing a heavy duty pneumatic cylinder designed to have an over center location which will assist the step in both extension and retraction. Each step shall be designed to hold 500 lbs.
- One (1) OnScene 8" Access LED ground light(s) shall be provided below the body.
- The 12 volt electrical distribution panel shall be located in the front lower compartment.



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STREETSIDE COMPARTMENT - ABOVE REAR WHEELS (S2)

The interior useable compartment width shall be approximately 64.0" wide.

The compartment door opening shall be approximately 57.0" wide.

This compartment shall have a R•O•M series IV roll-up door.

- The roll-up door slats and the door track components shall be painted to match the single tone exterior color.
- The door shall be equipped with a CPI harsh environment mechanical type door ajar switch located inside compartment interior lower door track.
- A keyed cylinder lock shall be provided on bottom rail of the roll-up door. The lock will be keyed to 1250.
- One (1) 1" wide nylon strap shall be provided to assist in closing the compartment door. The strap shall be fastened to the lower left inside door sill with a nickel plated Footman loop secured to back of door. The strap shall extend from door to a nickel plated Footman loop secured to wall or vertical slot of Shelf-Trac on left side of the door opening.
- A compartment threshold protection plate shall be installed on the bottom edge of the compartment door opening. The threshold protection shall be fabricated from an aluminum extrusion with an anodized exterior finish.

COMPARTMENT LAYOUT

- Two (2) OnScene 28" Access LED compartment lights, vertically mounted.
- The controls for the specified awning(s).
- Specified breathing air compressor and air storage system in center of compartment.



STREETSIDE COMPARTMENT - REAR (S3)

The interior useable compartment width shall be approximately 64.0" wide.

The compartment door opening shall be approximately 57.0" wide.

This compartment shall have a R•O•M series IV roll-up door.

- The roll-up door slats and the door track components shall be painted to match the single tone exterior color.
- The door shall be equipped with a CPI harsh environment mechanical type door ajar switch located inside compartment interior lower door track.
- A keyed cylinder lock shall be provided on bottom rail of the roll-up door.
- One (1) 1" wide nylon strap shall be provided to assist in closing the compartment door. The strap shall be fastened to the lower left inside door sill with a nickel plated Footman loop secured to back of door. The strap shall extend from door to a nickel plated Footman loop secured to wall or vertical slot of Shelf-Trac on left side of the door opening.
- A compartment threshold protection plate shall be installed on the bottom edge of the compartment door opening. The threshold protection shall be fabricated from an aluminum extrusion with an anodized exterior finish.

COMPARTMENT LAYOUT

- There shall be vertically mounted aluminum Shelf-Trac for specified component installation. Shelf-Trac extrusion shall have side extruded channels for use in mounting or securing special ancillary items, without need for drilling into body.
- There shall be two (2) adjustable shelf/shelves approximately 70" deep. Each shelf shall be fabricated from 3/16" 3003 aluminum sheet with a 2" vertical flange along the front and rear edges.
- The above component(s) shall have a smooth un-painted finish.
- There shall be one (1) bolt-in vertical compartment partition(s) provided dividing the compartment into left and right sides. The vertical partition(s) shall be 3/16" (.188) 3003H-14 alloy smooth aluminum sheet. The area aft of the partition will be designated to hold four (4) FD supplied EZ-UP 10' x 10' tents.
- The above component(s) shall have a smooth un-painted finish.



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- There shall be one (1) SCBA cylinder storage module for 8" OD (maximum) SCBA bottles. The maximum length of the SCBA cylinder shall be 24.75". The module shall have an exterior shell fabricated from 1/8" (.125) 3003H-14 aluminum alloy sheet. The module shall have a 2" slope, front to back to prevent cylinders from sliding out. The SCBA cylinder storage tubing shall be fabricated from PVC pipe to prevent damage or abrasion to cylinders. In addition, there shall be rubber matting provided in the base of each storage tube for bottle protection and to prevent slipping.
- The SCBA cylinder module shall be capable of storing eight (8) SCBA cylinders up to 7.5" diameter.
- There shall be one (1) OnScene Solutions cargo straps provided to secure the stored equipment.
- The floor of the compartment above the frame rails shall cover the area directly above the frame rails ONLY (non-extended floor).
- One (1) Hannay ECR1618-17-18 electric cable reel(s) capable of storing 200' of 10/3 electric cable. Reel(s) shall be designed to hold 110% of the capacity of cord length, with fully enclosed 45 amp, three (3) conductor collector rings. Reel(s) shall be mounted to channel structure that allows for side-to-side adjustment of reel position.
- Power rewind control(s) shall be in a position where the operator can observe the rewinding operation and not be more than 72 in. (1830 mm) above the operator's standing position, and shall be marked with a label indicating its function.
- A label shall be provided in a visible location adjacent to reel with following information: Current rating, Current type, Phase, Voltage, and Total cord length.
- The cable reel shall be equipped with 200' of 10/3 SEOW yellow cable, a molded plastic ball clamp, and a single heavy duty L5-30 twist-lock female plug at the end.
- One (1) Akron model EJB series, cast aluminum electrical power distribution box with yellow powder coat painted finish shall be provided. The power distribution box shall meet all requirements described in NFPA 1901. The power distribution box shall include the following outlets mounted on a backlit face plate;
- A 12" pigtail that terminates in an L5-30 configuration to match the cable on the cord reel. The outlet configuration shall include:
 - One (1) 120 VAC, L5-20 single twist lock receptacle.
 - One (1) 120 VAC, L5-20 single twist lock receptacle.
 - One (1) 120 VAC, 5-15 duplex straight-blade receptacle.
 - One (1) 120 VAC, 5-15 duplex straight-blade receptacle.
 - One (1) Akron formed aluminum treadplate vertical mounting bracket shall be provided for specified power distribution box.



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- The fairlead roller shall be mounted directly to the reel.
- Two (2) OnScene 64" Access LED compartment lights, vertically mounted.
- One (1) OnScene 54" Access LED compartment light, vertically mounted.
- There shall be one (1) underbody slide-out step. Platform shall be constructed from 9" deep DiamondBack non-slip vented aluminum stair treads mounted to underbody using Delron plastic slides for corrosion resistance. Step slide shall be securely held in both out and stored position, utilizing a heavy duty pneumatic cylinder designed to have an over center location which will assist the step in both extension and retraction. Each step shall be designed to hold 500 lbs.
- One (1) OnScene 8" Access LED ground light(s) shall be provided below the body.
- Two (2) 3-1/2" x 3-1/2" black plastic louvered vents shall be provided in the lower compartment.



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CURBSIDE COMPARTMENT - FRONT (C1)

The interior useable compartment space shall be approximately 70.0" wide.

The compartment door opening shall be approximately 63.0" wide.

This compartment shall have a R•O•M series IV roll-up door.

- The roll-up door slats and the door track components shall be painted to match the single tone exterior color.
- The door shall be equipped with a CPI harsh environment mechanical type door ajar switch located inside compartment interior lower door track.
- A keyed cylinder lock shall be provided on bottom rail of the roll-up door. The lock will be keyed to 1250.
- One (1) 1" wide nylon strap shall be provided to assist in closing the compartment door. The strap shall be fastened to the lower left inside door sill with a nickel plated Footman loop secured to back of door. The strap shall extend from door to a nickel plated Footman loop secured to wall or vertical slot of Shelf-Trac on left side of the door opening.
- A compartment threshold protection plate shall be installed on the bottom edge of the compartment door opening. The threshold protection shall be fabricated from an aluminum extrusion with an anodized exterior finish.

COMPARTMENT LAYOUT

- There shall be vertically mounted aluminum Shelf-Trac for specified component installation. Shelf-Trac extrusion shall have side extruded channels for use in mounting or securing special ancillary items, without need for drilling into body.
- There shall be two (2) OnScene Solutions 83 series aluminum tray base with 70% extension, and rating of 1,000 lbs. Slide-out tray(s) base shall be approximately 94" deep; capable of extending out either side of the body located above the level of the chassis frame rails. (Specified in opposite side compartment.)
- There shall be one (1) bolt-in vertical compartment partition(s) provided dividing the compartment into left and right sides. The vertical partition(s) shall be 3/16" (.188) 3003H-14 alloy smooth aluminum sheet.
- There shall be one (1) transverse module fabricated from 3/16" (.188) 3003H-14 aluminum alloy smooth sheet. The module will be designed for the following long tools and equipment:
- Four (4) Santa Fe Springs Fire Department supplied EZ Up tent(s).
- There shall be four (4) OnScene Solutions Velcro cargo straps provided to secure the stored equipment.
- The floor of the compartment above the frame rails shall be extended to the interior edge of the door. The floor shall have a 2" vertical lip and a 1" return to increase strength.



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- Two (2) OnScene 64" Access LED compartment lights, vertically mounted.
- There shall be one (1) underbody slide-out step. Platform shall be constructed from 9" deep DiamondBack non-slip vented aluminum stair treads mounted to underbody using Delron plastic slides for corrosion resistance. Step slide shall be securely held in both out and stored position, utilizing a heavy duty pneumatic cylinder designed to have an over center location which will assist the step in both extension and retraction. Each step shall be designed to hold 500 lbs.
- One (1) OnScene 8" Access LED ground light(s) shall be provided below the body.



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CURBSIDE COMPARTMENT - ABOVE REAR WHEEL (C2)

The interior useable compartment width shall be approximately 64.0" wide.

The compartment door opening shall be approximately 57.0" wide.

This compartment shall have a R•O•M series IV roll-up door.

- The roll-up door slats and the door track components shall be painted to match the single tone exterior color.
- The door shall be equipped with a CPI harsh environment mechanical type door ajar switch located inside compartment interior lower door track.
- A keyed cylinder lock shall be provided on bottom rail of the roll-up door. The lock will be keyed to 1250.
- One (1) 1" wide nylon strap shall be provided to assist in closing the compartment door. The strap shall be fastened to the lower left inside door sill with a nickel plated Footman loop secured to back of door. The strap shall extend from door to a nickel plated Footman loop secured to wall or vertical slot of Shelf-Trac on left side of the door opening.
- A compartment threshold protection plate shall be installed on the bottom edge of the compartment door opening. The threshold protection shall be fabricated from an aluminum extrusion with an anodized exterior finish.

COMPARTMENT LAYOUT

- Two (2) OnScene 28" Access LED compartment lights, vertically mounted.
- One (1) 120/240 VAC load center.
- The generator gauge panel.
- The controls for the specified awning(s).
- A Bauer model K-18.1-20-E3 air compressor with a recharging rate of 25.2 SCFM @ 6,000 PSI shall be provided. Compressor skid shall include 20 HP, 3-phase soft start electric motor, P5 Securus purification system, electronic CO monitor with calibration kit, and fill station inter-connecting harness. Compressor module shall be approximately 88" L x 51" W x 41" H and weigh 1,400 pounds (not inc. air storage).
- No boost system shall be provided with compressor skid.



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- An Appleton inlet and base shall be provided in compartment near compressor. The compressor shall have a 2/00 A WG SO cord with a matching Appleton plug for operating compressor from the on-board generator system. Another matching Appleton plug shall be provided with completed vehicle for operating the compressor from an in-house electrical system. All required building wiring shall be responsibility of Santa Fe Springs Fire Department.
- Air storage shall consist of four (4) ASME 491 SCF @ 6,000 PSI, (does not require hydrostatic testing) shall be provided on completed vehicle complete with gauges and valves. Each cylinder shall measure 9.6" diameter x 55" long, and weigh 400 lbs.

A label shall be placed on or near the operator's panel that provides the following:

- The original cylinder test date stamped on the cylinders.
- The recommended testing interval.
- Five additional open spaces, appropriately labeled, for the user to enter actual retesting dates.

The manufacturer's test date (month and year) on each air tank shall be current within 12 months of the apparatus delivery date.

Air tanks shall be marked with a label that reads;

"High Pressure 6,000 PSI Breathing Air" or "High Pressure 41,368 kPa Breathing Air."

- The Bauer compressor shall be free from defects in material and workmanship for a period of two (2) years. The foregoing warranty period shall be extended to five (5) years from the date of shipment from Bauer for Customers that are Municipal Fire Departments with respect to the compressor block (breathing air application), provided that such extended warranty period shall only apply to product parts with proof of proper maintenance being completed in accordance with published Bauer factory recommendations. To be eligible for this limited warranty to cover Customer's product, Customer must return a properly completed start-up/warranty registration form to Bauer within ninety (90) days from the date of start-up.
- Training and instruction shall be provided by compressor manufacturer at Santa Fe Springs Fire Department location on proper use of complete air compressor system.
- The NFPA required air quality test shall be completed by manufacturer prior to delivery. Complete results of test shall be provided to Santa Fe Springs Fire Department upon delivery.



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CURBSIDE COMPARTMENT - REAR (C3)

The interior useable compartment width shall be approximately 64.0" wide.

The compartment door opening shall be approximately 57.0" wide.

This compartment shall have a R•O•M series IV roll-up door.

- The roll-up door slats and the door track components shall be painted to match the single tone exterior color.
- The door shall be equipped with a CPI harsh environment mechanical type door ajar switch located inside compartment interior lower door track.
- A keyed cylinder lock shall be provided on bottom rail of the roll-up door. The lock will be keyed to 1250.
- One (1) 1" wide nylon strap shall be provided to assist in closing the compartment door. The strap shall be fastened to the lower left inside door sill with a nickel plated Footman loop secured to back of door. The strap shall extend from door to a nickel plated Footman loop secured to wall or vertical slot of Shelf-Trac on left side of the door opening.
- A compartment threshold protection plate shall be installed on the bottom edge of the compartment door opening. The threshold protection shall be fabricated from an aluminum extrusion with an anodized exterior finish.

COMPARTMENT LAYOUT

- There shall be vertically mounted aluminum Shelf-Trac for specified component installation. Shelf-Trac extrusion shall have side extruded channels for use in mounting or securing special ancillary items, without need for drilling into body.
- There shall be one (1) adjustable shelf/shelves approximately 18" deep. Each shelf shall be fabricated from 3/16" 3003 aluminum sheet with a 2" vertical flange along the front and rear edge.
- The above component(s) shall have a smooth un-painted finish.
- There shall be one (1) 400 lbs. slide-out tray(s) approximately 24" deep and as wide as the compartment layout or door opening permits. Each tray shall be vertically adjustable. Each tray top shall be fabricated from 3/16" 3003 aluminum sheet with a 3" vertical lip and welded corners to form a box type tray surface. The sliding tracks shall extend 100% of the slide length. The tray assembly shall utilize a pneumatic cylinder mounted on underside to hold the tray in both the extended and closed positions.
- The above component(s) shall have a smooth un-painted finish.



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- There shall be one (1) bolt-in vertical compartment partition(s) provided dividing the compartment into left and right sides. The vertical partition(s) shall be 3/16" (.188) 3003H-14 alloy smooth aluminum sheet.
- The above component(s) shall have a smooth un-painted finish.
- Compartment C3 will have minimum 1/8" smooth aluminum walls to isolate the compartment from all other compartments as much as possible. There will be areas allow of necessary wire and airlines pass thru's.
- The floor of the compartment above the frame rails shall be extended to the interior edge of the door. The floor shall have a 2" vertical lip and a 1" return to increase strength.
- One (1) Hannay ECR1618-17-18 electric cable reel(s) capable of storing 200' of 10/3 electric cable. Reel(s) shall be designed to hold 110% of the capacity of cord length, with fully enclosed 45 amp, three (3) conductor collector rings. Reel(s) shall be mounted to channel structure that allows for side-to-side adjustment of reel position.
- Power rewind control(s) shall be in a position where the operator can observe the rewinding operation and not be more than 72 in. (1830 mm) above the operator's standing position, and shall be marked with a label indicating its function.
- A label shall be provided in a visible location adjacent to reel with following information: Current rating, Current type, Phase, Voltage, and Total cord length.
- The cable reel shall be equipped with 200' of 10/3 SEOW yellow cable, a molded plastic ball clamp, and a single heavy duty L5-30 twist-lock female plug at the end.
- One (1) Akron model EJB series, cast aluminum electrical power distribution box with yellow powder coat painted finish shall be provided. The power distribution box shall meet all requirements described in NFPA 1901. The power distribution box shall include the following outlets mounted on a backlit face plate;
- A 12" pigtail that terminates in an L5-30 configuration to match the cable on the cord reel. The outlet configuration shall include:
 - One (1) 120 VAC, L5-20 single twist lock receptacle.
 - One (1) 120 VAC, L5-20 single twist lock receptacle.
 - One (1) 120 VAC, 5-15 duplex straight-blade receptacle.
 - One (1) 120 VAC, 5-15 duplex straight-blade receptacle.
 - One (1) Akron formed aluminum treadplate vertical mounting bracket shall be provided for specified power distribution box.
- The fairlead roller shall be mounted directly to the reel.



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- One (1) Engel, model MT80F-U1, 12 VDC/120VAC, refrigerator/freezer. The unit will be a top load chest style unit and mounted on a roll-out tray listed above in the lower compartment area. The refrigerator shall operate from both 12 VDC and 120 VAC power. The dimensions are approximately 32"L x 15"W x 17"D. The refrigerator/freezer 12V power will only be provided when the chassis engine is running.
- There shall be two (2) Bunn model CW15-APS Airpot Dispensed Coffee Brewer(s) with Airpot(s) furnished and installed in the compartment.
- There shall be one (1) commercial grade under-cabinet style microwave oven furnished and installed in the compartment. The unit shall be a 1000-watt minimum with stainless steel cabinet. The built-in dimensions shall be 12" high x 20-1/2" wide x 16" deep. The unit will be installed under the coffee makers suspended from under the extended compartment floor.
 - Two (2) OnScene 54" Access LED compartment lights, vertically mounted.
 - There shall be three (3) 120 VAC outlet(s) located in compartment on the forward wall.
 - The outlet receptacle(s) shall be 20 amp, straight-blade (NEMA 5-20R).
 - Outlet(s) shall be powered through the on-board generator system.
 - There shall be one (1) underbody slide-out step. Platform shall be constructed from 9" deep DiamondBack non-slip vented aluminum stair treads mounted to underbody using Delron plastic slides for corrosion resistance. Step slide shall be securely held in both out and stored position, utilizing a heavy duty pneumatic cylinder designed to have an over center location which will assist the step in both extension and retraction. Each step shall be designed to hold 500 lbs.
- One (1) OnScene 8" Access LED ground light(s) shall be provided below the body.



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REAR COMPARTMENT - CENTER (RC1)

The rear center compartment shall be closed to both side rear compartments.

The rear center compartment shall begin just above the bumper height and be as high as the side compartments, unless specified otherwise. The body sub-frame shall extend at least 20" into the compartment to allow for the spring loaded body mounts.

The interior useable compartment width shall be approximately 56.0" wide.

The compartment door opening shall be approximately 49.0" wide.

This compartment shall have a R•O•M series IV roll-up door.

- The roll-up door shall have an unpainted satin aluminum finish on the door slats and the door trim components.
- The door shall be equipped with a CPI harsh environment mechanical type door ajar switch located inside compartment interior lower door track.
- A keyed cylinder lock shall be provided on bottom rail of the roll-up door.
- One (1) 1" wide nylon strap shall be provided to assist in closing the compartment door. The strap shall be fastened to the lower left inside door sill with a nickel plated Footman loop secured to back of door. The strap shall extend from door to a nickel plated Footman loop secured to wall or vertical slot of Shelf-Trac on left side of the door opening.
- A compartment threshold protection plate shall be installed on the bottom edge of the compartment door opening. The threshold protection shall be fabricated from an aluminum extrusion with an anodized exterior finish.

COMPARTMENT LAYOUT

- One (1) Hannay EFH1516-17-18 high pressure air hose reel(s) shall be provided in this compartment. Reel shall be designed to hold 110% of the capacity needed.
- Power rewind control(s) shall be in a position where the operator can observe the rewinding operation and shall be marked with a label indicating its function and shall be guarded to prevent accidental operation.
- A label shall be provided in a visible location adjacent to reel with following information: (1) Utility air or breathing air, (2) Operating pressure, (3) Total hose length, (4) Hose size (ID).
- The hose reel shall be equipped with 300' of 3/16" Parker 6,000 PSI, high pressure air hose. A molded plastic ball clamp shall be provided on the hose to stop it at the 4-way roller. The hose shall be Gray in color with a red color coded end.
- The fitting on the end of the high pressure air hose reel shall be a CGA-347 high pressure fitting.



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- The air supply shall be from the mobile breathing air system. A reel shut-off valve, pressure regulator, and 0-6,000 psi gauge shall be provided at the air control panel.
- The air supply shall be from the mobile breathing air system.
- The fairlead roller shall be mounted directly to the reel.
- Two (2) OnScene 64" Access LED compartment lights, vertically mounted.
- One (1) OnScene 36" Access LED compartment lights, horizontally mounted.



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- The controls for the specified light tower(s).
 - One (1) Bauer model CFS5.5 3M, NFPA 1901 compliant containment type three (3) cylinder filling station with compressor controls rated for cylinder pressures up to 5,500 PSI shall be provided with proper reinforcement for weight of fill station and venting thru floor opening. Fill station will be approximately 46.75" wide x 50.25" high x 21" deep, and weigh approximately 905 lbs.
 - Filling operation shall be controlled with manual controls mounted on front of fill station. An air flow selector valve to fill from either compressor or storage, and manual valves and gauges for each air storage cylinder (maximum of four (4)).
 - An air storage refill port shall be provided on the fill station.
 - One (1) high pressure air hose reel gauge(s), adjustable regulator(s), and fill control(s) shall be provided on front panel with outlet port located on the rear of the fill station.
 - One (1) fill station fill line(s) shall have a quick disconnect with 2,216 psi fill adapter(s) and pressure relief valve.
 - The fill station fill whip(s) shall terminate in a high pressure CGA-347 threaded connectors for 4,500 - 5,500 PSI air pack cylinders.



PLASTIC FLOOR AND SHELF TILE

All compartment floors, shelves, and trays shall be covered with Dri-Dek plastic interlocking grating.

- The plastic floor tile shall be black.
- The plastic edge trim shall be black.

LOWER SIDE BODY PROTECTION - RUB RAIL

Rub rails shall be provided below the compartment door openings on both the streetside and curbside.

The rub rail shall be fabricated from smooth aluminum flat bar stock. The rub rail shall be bolted to the body using stainless steel bolts and 1-1/2" diameter x 5/8" thick rubber mount isolators to prevent damage to the body.

FRONT GRAVEL GUARDS

Gravel guards shall be provided on front lower body corners. Guards shall be 12" high, extend from behind cab or step and wrap around to the front compartment door opening fabricated from 20 gauge polished stainless steel.

ROLL-OUT AWNING STREETSIDE

One (1) Girard G-2000 Automatic Retractable Lateral Arm Awning shall be mounted on the body side.

The cassette housing is made of corrosion-resistant, powder-coated extruded aluminum with components made of stainless steel. The housing box to be powder coated to match the upper body white.

The unit shall measure 16' long x 5-1/4" deep x 7-3/8" high. The awning shall project outward 9' - 9" and will be mounted slightly lower in the rear to add in drainage.

The G-2000 will deploy and retract using a 110V AC motor with manual override (to retract awning in the event of a power failure). The controls shall be located in compartments S1 for a streetside awning, and C1 for a curbside awning.

The awning shall have a system to detect canopy motion. The awning shall automatically retract when the canopy reaches a certain level of movement. The G-2000 has a Limited Lifetime Warranty.

- The awning fabric color shall be red.

The specified awning above shall be surface mounted to upper body side. The awning shall add approximately 5.75" to body width.

AWNING HOUSING COLOR

The awnings standard white housing color shall be re-painted to match upper body color.



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ROLL-OUT AWNING CURBSIDE

One (1) Girard G-2000 Automatic Retractable Lateral Arm Awning shall be mounted on the body side.

The cassette housing is made of corrosion-resistant, powder-coated extruded aluminum with components made of stainless steel. The housing box to be powder coated to match the upper body white.

The unit shall measure 16' long x 5-1/4" deep x 7-3/8" high. The awning shall project outward 9' - 9" and will be mounted slightly lower in the rear to add in drainage.

The G-2000 will deploy and retract using a 110V AC motor with manual override (to retract awning in the event of a power failure). The controls shall be located in compartments S1 for a streetside awning, and C1 for a curbside awning.

The awning shall have a system to detect canopy motion. The awning shall automatically retract when the canopy reaches a certain level of movement. The G-2000 has a Limited Lifetime Warranty.

- The awning fabric color shall be red.

The specified awning above shall be surface mounted to upper body side. The awning shall add approximately 5.75" to body width.

AWNING HOUSING COLOR

The awnings standard white housing color shall be re-painted to match upper body color.

REAR ROLL-OUT AWNING

The upper rear of truck shall be equipped with a Girard G-208505 Automatic Retractable Lateral Arm wall mount awning.

The cassette housing is made of corrosion-resistant, powder-coated extruded aluminum with components made of stainless steel. The housing box shall be powder coated white.

The unit shall measure eight 8' x 5-1/4" deep x 7-3/8" high. The awning shall project outward 5'.

The G-208505 shall deploy and retract using a 12V DC motor with the power controls located in compartment RC1.

The awning shall activate the door ajar warning system in the cab when not in the stowed position.

- The awning fabric color shall be red.

AWNING HOUSING COLOR

The awnings standard white housing color shall be re-painted to match upper body color.



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AWNINGS LOCATIONS

All the awnings listed above will be mounted at the same heights on the body.

ROOF ACCESS HATCH COVER

One (1) roof access hatch cover shall be provided in the roof structure to allow for installation or removal of large equipment into the compartment area. The roof around the hatch opening shall be reinforced as necessary to prevent deflection in the roof area. The hatch cover shall overlap a 2" vertical lip on the body roof to prevent entry of moisture. It shall be sealed with automotive type rubber molding to provide a weather resistant seal.

The hatch cover shall have a lift-up type door hinged on the front side. The door shall be fabricated from 3/16" aluminum treadplate with a pair of pneumatic type cylinders mounted to hold the door in the open position. The door shall be mounted using a full length 14 gauge stainless steel hinge, with 1/4" stainless steel pin. A polyester barrier film gasket shall be placed between the stainless steel hinge and any dissimilar metals as necessary to prevent corrosion.



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LOW VOLTAGE ELECTRICAL SYSTEM- 12 VDC

General

Any low voltage electrical systems or warning devices installed on the fire apparatus shall be appropriate for the mounting location and intended electrical load.

Where wire passes through sheet metal, grommets shall be used to protect wire and wire looms. Electrical connections shall be with double crimp water-tight heat shrink connectors.

All 12 VDC wiring running from front to back of vehicle body shall be run in full length electrical wiring raceway down each side of body.

Wiring

All electrical circuit feeder wiring supplied and installed by the fire apparatus manufacturer shall meet the requirements of NFPA Chapter 13.

The circuit feeder wire shall be stranded copper or copper alloy conductors of a gauge rated to carry 125% of the maximum current for which the circuit is protected. Voltage drops in all wiring from the power source to the using device shall not exceed 10%. The use of star washers for circuit ground connections shall not be permitted.

All circuits shall otherwise be wired in conformance with SAE J1292, *Automobile, Truck, Truck-Tractor, Trailer, and Motor Coach Wiring*.

Wiring and Wire Harness Construction

All insulated wire and cable shall conform to SAE J1127, *Low Voltage Battery Cable*, or SAE J1128, *Low Voltage Primary Cable*, type SXL, GXL, or TXL.

All conductors shall be constructed in accordance with SAE J1127 or SAE J1128, except where good engineering practice dictates special strand construction. Conductor materials and stranding, other than copper, shall be permitted if all applicable requirements for physical, electrical, and environmental conditions are met as dictated by the end application. Physical and dimensional values of conductor insulation shall be in conformance with the requirements of SAE J1127 or SAE J1128, except where good engineering practice dictates special conductor insulation. The overall covering of conductors shall be moisture-resistant loom or braid that has a minimum continuous rating of 194°F (90°C) except where good engineering practice dictates special consideration for loom installations exposed to higher temperatures. The overall covering of jacketed cables shall be moisture resistant and have a minimum continuous temperature rating of 194°F (90°C), except where good engineering practice dictates special consideration for cable installations exposed to higher temperatures.

All wiring connections and terminations shall use a method that provides a positive mechanical and electrical connection. The wiring connections and terminations shall be installed in accordance with the device manufacturer's instructions. All ungrounded electrical terminals shall have protective covers or be in enclosures. Wire nut, insulation displacement, and insulation piercing connections shall not be used.



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Wiring shall be restrained to prevent damage caused by chafing or ice buildup and protected against heat, liquid contaminants, or other environmental factors.

Wiring shall be uniquely identified at least every 2 ft (0.6 m) by color coding or permanent marking with a circuit function code. The identification shall reference a wiring diagram.

Circuits shall be provided with properly rated low voltage over-current protective devices. Such devices shall be readily accessible and protected against heat in excess of the over-current device's design range, mechanical damage, and water spray. Circuit protection shall be accomplished by utilizing fuses, circuit breakers, fusible links, or solid state equivalent devices.

If a mechanical-type device is used, it shall conform to one of the following SAE standards:

- SAE J156, *Fusible Links*
- SAE J553, *Circuit Breakers*
- SAE J554, *Electric Fuses (Cartridge Type)*
- SAE J1888, *High Current Time Lag Electric Fuses*
- SAE J2077, *Miniature Blade Type Electrical Fuses*

Switches, relays, terminals, and connectors shall have a direct current (dc) rating of 125% of maximum current for which the circuit is protected.

Power Supply

A 12 V or greater electrical alternator shall be provided. The alternator shall have a minimum output at idle to meet the minimum continuous electrical load of the vehicle, at 200°F (93°C) ambient temperature within the engine compartment, and shall be provided with full automatic regulation.

Minimum Continuous Electrical Load

The minimum continuous electrical load shall consist of the total amperage required to simultaneously operate the following in a stationary mode during emergency operations:

- The propulsion engine and transmission
- All legally required clearance and marker lights, headlights, and other electrical devices except windshield wipers and four-way hazard flashers
- The radio(s) at a duty cycle of 10 percent transmit and 90% receive (for calculation and testing purposes, a default value of 5 A continuous)
- The lighting necessary to produce 2 fc (20 lx) of illumination on all walking surfaces on the apparatus and on the ground at all egress points onto and off the apparatus, 5 fc (50 lx) of illumination on all control and instrument panels, and 50 percent of the total compartment lighting loads
- The minimum optical warning system, where the apparatus is blocking the right-of way
- The continuous electrical current required to simultaneously operate any fire pumps, aerial devices, and hydraulic pumps
- Other warning devices and electrical loads defined by the purchaser as critical to the mission of the apparatus



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If the apparatus is equipped to tow a trailer, an additional 45 A shall be added to the minimum continuous electrical load to provide electrical power for the federally required clearance and marker lighting and the optical warning devices mounted on the trailer.

The condition of the low voltage electrical system shall be monitored by a warning system that provides both an audible and a visual signal to persons on, in, or near the apparatus of an impending electrical system failure caused by the excessive discharge of the battery set.

The charge status of the battery shall be determined either by direct measurement of the battery charge or indirectly by monitoring the electrical system voltage.

If electrical system voltage is monitored, the alarm shall sound if the system voltage at the battery or at the master load disconnect switch drops below 11.8 V for 12 V nominal systems, 23.6 V for 24 V nominal systems, or 35.4 V for 42 V nominal systems for more than 120 seconds.

A voltmeter shall be mounted on the driver's instrument panel to allow direct observation of the system voltage.

Electromagnetic Interference

Electromagnetic interference suppression shall be provided, as required, to satisfy the radiation limits specified in SAE J551/1, *Performance Levels and Methods of Measurement of Electromagnetic Compatibility of Vehicles, Boats (up to 15 m), and Machines (16.6 Hz to 18 GHz)*.

Wiring Diagram

A complete electrical wiring schematic of actual system shall be provided with finished apparatus. Similar or generic type electrical schematics shall NOT BE ACCEPTABLE.

Low Voltage Electrical System Performance Test

A low voltage electrical system test certification shall be provided with delivered apparatus.

12 VOLT MULTIPLEX CONTROL CENTER

The apparatus shall be equipped with a Weldon V-MUX multiplexed 12 volt electrical system that will provide complete diagnostic capability, No Exception. The system shall have the capability of delivering multiple signals via a CAN bus, utilizing specifications set forth by SAE J1939. The system shall be node based to maximize stability so that failure of one node does not affect the operation of the other nodes. The system shall use shielded twisted-pair wire for transmission of system function signals. The shielded wire shall provide protection against EMI and RFI noise interruptions.

The multiplex system shall be responsible for providing power management functions as well as load shedding. The warning light system shall be controlled by the multiplex system. The system shall be capable of displaying text and/or graphic messages on a display module. The system shall be based on solid-state technology and shall include self-contained diagnostic indicators.



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Outputs:

The outputs shall perform all the following items without added modules to perform any of the tasks;

1. **Load Shedding:** The system shall have the capability to load shed with 8 levels any output. This means you can specify which outputs (barring NFPA restrictions) you would like load shed. Level 1 12.9v, Level 2 12.5V, Level 3 - 12.1V, Level 4 - 11.7V, Level 5 11.3V, Level 6 10.9V, Level 7 10.5, Level 8 10.1. Unlike conventional load shedding devices you can assign a level to any or all outputs.
2. **Load Sequencing:** The system shall be able to sequence from 0 8 levels any output. With 0 being no delay and 1 being a 1 second delay, 2 being a 2 second delay and so on. Sequencing reduces the amount of voltage spikes and drops on your vehicle, and can help limit damage to your charging system.
3. **Output Device:** The system shall have solid-state output devices. Each solid-state output shall be a MOS-FET (Metal Oxide Semiconductor - Field Effect Transistors); MOS-FETs are solid-state devices with no moving parts to wear out. A typical relay when loaded to spec has a life of 100,000 cycles. The life of a FET is more than *100 times* that of a relay.
4. **Flashing Outputs:** The system shall be able to flash any output in either A or B phase, and logic is used to shut down needed outputs in park, or any one of several combined interlocks. The flash rate can be selected at either 80, 160 or 200 FPM. This means any light can be specified with a multiplex truck with no need to add flashers. Flashing outputs can also be used to warn of problems or other unique idea you may come up with.
5. **PWM:** The modules shall have the ability to PWM at some outputs so that a headlight PWM module is not needed.
6. **Diagnostics:** An output should be able to detect either a short or open circuit. The system should be able report in "real time" a text based message that points the maintenance person to a specific output.

Inputs:

1. The inputs shall have the ability to switch by a ground or vbatt signal.
2. The inputs shall be filtered for noise suppression via hardware and software so that RF or dirty power will not trick an input into changing its status.

Auto-Throttle:

The multiplex system shall be able to perform automatic high idle via a network gateway or by using an existing output on a module to provide the proper signals to an OEM Engine ECU. This task should be handled with existing inputs and outputs.



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Displays:

Displays shall be able to provide real time information regarding load shedding and system status, such as network traffic/errors or shorts and open circuits.

System Network:

The multiplex system shall contain a Peer-to-Peer network. A Master Slave Type network is not suitable for this type of unit. A Peer-to-Peer network means that all the modules are equal on the network; a Master is not needed to tell other nodes when to talk, **No Exceptions.**

System Reliability:

The multiplex system shall be able to perform in extreme temperature conditions, from 40° to +85° C (-40° to +185° F.) The system shall be sealed against the environment, moisture, humidity, salt or fluids such as diesel fuel, motor oil or brake fluid. The enclosures shall be rugged to withstand being mounted in various locations or compartments around the vehicle. The modules shall be protected from over voltage and reverse polarity.

WELDON CERTIFICATION

A letter shall be provided with bid submittal that the Contractor has successfully completed the Weldon training requirements for Level 1 of the V-MUX Certified Supplier Program and is authorized to design, build, and service V-MUX electrical systems.

MULTIPLEX SYSTEM INTERFACE DISPLAY

Two (2) Weldon V-MUX Vista IV multiplex system interface display(s) with push-button control shall be provided in cab easily accessible to driver and/or passenger. The full-color Vista interface display allows the user to control warning and scene lighting, HVAC controls (when specified), and view on-board diagnostics including service information. This display has a wide operating temperature range, automatic screen switching in response to current conditions, and a sleep mode option to eliminate night glare. The following features shall be included;

- 800 x 480 resolution
- Four video ports
- Flash updates with USB memory stick
- Display inside and outside temperature (when specified)
- Automatic climate control (when specified)
- 100% Configurable (OEM Level)
- Field re-programmable
- Peer to peer network
- On-board diagnostics / service information
- Colors change to indicate button status
- Video Ready for: Backup camera, Thermal camera, DVD, GPS...



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SECONDARY VISTA SCREEN

The secondary Weldon V-MUX Vista IV multiplex system interface display with push-button control shall be provided in compartment RC1 easily accessible.

The full-color Vista interface display allows the user to control warning and scene lighting, HVAC controls (when specified), and view on-board diagnostics including service information.

The V-Mux display shall be located in the cab center console for control of all master and emergency lights.

CAB CONSOLE

A center cab console shall be provided between the Driver's and Officer's seats. Console shall be as large as possible and fabricated of 1/8" smooth aluminum. A textured powder coat paint finish shall be provided for durability and finished appearance.

The rear portion of the console shall be provided with open top storage for notebooks or maps. Two (2) adjustable dividers shall be provided in the storage area. The forward portion of console shall be slanted for easy viewing of the V-Mux display screen, and any siren or radio equipment. The area shall be within easy access to both Driver and Officer.

The final design of console shall be determined by the Santa Fe Springs Fire Department at the pre-construction meeting.

BATTERY SYSTEM

The battery connectors shall be heavy duty type with cables terminating in heat shrink loom. Heavy duty battery cables shall provide maximum power to the electrical system. Where required, the cables shall be shielded from exhaust tubing and the muffler. Large rubber grommets shall be provided where cables enter the battery compartment.

Batteries shall be of the high-cycle type. With the engine off, the battery system shall be able to provide the minimum continuous electrical load for 10 minutes without discharging more than 50 percent of the reserve capacity and then to restart the engine. The battery system cold cranking amps (CCA) rating shall meet or exceed the minimum CCA recommendations of the engine manufacturer. The batteries shall be mounted to prevent movement during fire apparatus operation and shall be protected against accumulations of road spray, snow, and road debris. The batteries shall be readily accessible for examination, testing, and maintenance.

A means shall be provided for jump-starting the engine if the batteries are not accessible without lifting the cab of a tilt-cab apparatus.

Where an enclosed battery compartment is provided, it shall be ventilated to the exterior to prevent the buildup of heat and explosive fumes. The batteries shall be protected against vibration and temperatures that exceed the battery manufacturer's recommendation.



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An onboard battery conditioner or charger or a polarized inlet shall be provided for charging all batteries. Where an onboard conditioner or charger is supplied, the associated line voltage electrical power system shall be installed in accordance with Chapter 22.



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One of the following master disconnect switches shall be provided:

- A master body disconnect switch that disconnects all electrical loads not provided by the chassis manufacturer
- A master load disconnect switch that disconnects all electrical loads on the apparatus except the starter

Electronic control systems and similar devices shall be permitted to be otherwise connected if so specified by their manufacturer.

The alternator shall be wired directly to the batteries through the ammeter shunt(s), if one is provided, and not through the master load disconnect switch.

A green "battery disconnect on" indicator light that is visible from the driver's position shall be provided.

Rechargeable hand lights, radios, and other similar devices shall be permitted to be connected to the electrical system ahead of the master disconnect switch.

A sequential switching device shall be permitted to energize the optical warning devices and other high current devices required in minimum continuous electrical load, provided the switching device shall first energize the electrical devices required in minimum continuous electrical load within 5 seconds.

BATTERY SWITCH

One (1) battery "On/Off" switch in cab located within easy reach of Driver with green "BATTERY ON" pilot light that is visible from the driver's position shall be provided.

BATTERY SOLENOID

Battery switch shall consist of a minimum 200 ampere, constant duty solenoid to feed from positive side of battery.

BATTERY CONDITIONER

One (1) Kussmaul model Auto Charge 1000 single battery conditioner, with 120 VAC input and 15 amp, 12 volt output shall be provided. This system shall monitor the condition of batteries and provide an electrical current at variable rates to overcome battery failure. A display shall be provided and located on the driver side front body face within in easy sight from the ground.

The display will be a Kussmaul model #091-194B-IND-WT-XX



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SHORE POWER INLET

One (1) Kussmaul 120 VAC, 20 amp Super Auto-Eject shore power inlet(s) shall be provided. The shore power connection shall automatically disengage from vehicle when chassis ignition is engaged.

The protective ground from the shoreline inlet shall be bonded to the vehicle frame.

- The outlet cover shall be red.
- The shore power plug shall be located near the Driver door area step towards the back of the cab so to not interfere with egress to and from the cab.

ENGINE COMPARTMENT LIGHT

There shall be one (1) light(s) mounted in the engine compartment with integral switch with a light output of at least 20 candlepower (250 lumens). The engine compartment light(s) shall operate only when the master battery switch is turned "On".

CAB HAZARD WARNING LIGHT

A red Whelen LIN3 Series Super-LED model # RSR02ZCR shall be, located in the driving compartment, shall be illuminated automatically whenever the vehicles parking brake is not fully engaged and any of the following conditions exist:

- Any passenger or equipment compartment door is not closed.
- Any ladder or equipment rack is not in the stowed position.
- Stabilizer system is not in its stowed position.
- Powered light tower is not stowed.
- Any other device permanently attached to the apparatus is open, extended, or deployed in a manner that is likely to cause damage to the apparatus if the apparatus is moved.

Compartments and equipment meeting all of the following conditions shall be permitted to be exempt from being wired to the hazard light:

- The volume is less than or equal to 4 ft³ (0.1 m³).
- The compartment has an opening less than or equal to 144 in.² (92,900 mm²).
- The open door does not extend sideways beyond the mirrors or up above the top of the fire apparatus.
- All equipment in the compartment is restrained so that nothing can fall out if the door is open while the apparatus is moving.
- Manually raised pole lights with an extension of less than 5 ft (1.5 m).

The hazard light shall be labeled "DO NOT MOVE APPARATUS WHEN LIGHT IS ON".

An audible alarm shall be provided for the door ajar light.



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BACK-UP ALARM

An electronic back-up alarm shall be supplied and installed by the cab/chassis manufacturer. The back-up alarm shall actuate automatically when the transmission gear selector is placed in reverse.

REAR VIEW CAMERA

There shall be one (1) ASA Voyager rear observation camera system provided and installed on completed unit. The system shall include one (1) model VCC150 high resolution CCD color camera installed on the rear body.

The camera(s) shall be wired to the cab/chassis supplied Weldon Vista display(s). The rear camera shall activate when the transmission is placed in reverse. If a right camera is provided it shall activate with the right side turn signal and if a left camera is provided it shall activate with the left side turn signal. All camera(s) shall also be activated by a button on the Vista display(s).

TAIL LIGHTS

Rear body tail lights shall be vertically mounted and located per Federal Motor Vehicle Safety Standards, FMVSS and Canadian Motor Vehicle Safety Standards CMVSS. The following lights shall be furnished;

- Two (2) Whelen specified lower Zone "C" warning lights
- Two (2) Whelen M6 Series M6BTT red LED stop/tail lights
- Two (2) Whelen M6 Series M6T amber LED turn signal lights
- Two (2) Whelen M6 Series M6BUW LED back-up lights with clear lens

Each of the lights above shall be mounted in an M6FCV4, 4-light chrome finish bezels.

MIDSHIP MARKER/TURN SIGNAL

Two (2) Whelen model T0A00MAR 2" round amber LED midship body clearance marker/turn signal lights shall be provided and installed, one (1) light on each side of the body, in forward wheel well of rear axle. Midship marker/turn lights shall be wired to the headlight circuit of the chassis.

MARKER LIGHTS

The body shall be equipped with all necessary clearance lights and reflectors in accordance with Federal Motor Vehicle Safety Standards (FMVSS) and Canadian Motor Vehicle Safety Standards (CMVSS) regulations. All body clearance lights shall be Truck-Lite Model 18 LED to reduce the need for maintenance and lower the amp draw. Clearance lights shall be wired to the headlight circuit of the chassis.



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CAB STEP LIGHTS / GROUND LIGHTS

There shall be two (2) OnScene 8" Access LED light(s) installed on the vehicle capable of providing illumination at a minimum level of 2 fc (20 lx) on ground areas within 30 in. (800 mm) of the edge of the vehicle in areas designed for personnel to climb onto or descend from the vehicle to the ground level.

Lighting designed to provide illumination on areas under the driver and crew riding area exits shall be switchable but activated automatically when the exit doors are opened.

LICENSE PLATE MOUNTING BRACKET

There shall be one (1) Cast Products aluminum license plate mounting with chrome shielded license plate light mounted on the rear of the body.

ELECTRONIC SIREN

One (1) Whelen model 295SLSA1 electronic siren control with selectable 100 or 200 watt output, hands-free operation, user selectable siren tones, park kill, and standard hard wired microphone shall be provided and installed in cab within easy reach of Driver. Siren power shall be wired through the master warning light switch.

A switch shall be provided at the 12 volt control panel so that the steering wheel horn ring can be used to activate electronic siren.

SIREN SPEAKER

Two (2) Cast Products Inc. model SA4311, 100 watt siren speaker shall be provided recessed in the front bumper, one (1) on the streetside and one (1) on the curbside.

SIDE SCENE LIGHTS

There shall be four (4) Whelen M9LZC series (9" x 7") surface mounted Super-LED scene light(s) provided on the upper body. Light quantity shall be divided equally per side. Each light will have an 8-32 degree gradient lens and chrome flange.

Two (2) switches shall be provided, one (1) for the streetside scene lights, and one (1) for the curbside scene lights.

The lights shall be switched at the Vista display in the cab.



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REAR SCENE LIGHTS

Two (2) Whelen M9LZC series (9" x 7") surface mounted Super-LED scene lights shall be provided on the upper rear body to light the work area. Each light will have a 8-32 degree gradient lens and chrome flange.

The above scene lights shall light to a level of at least 3 fc (30 lx), measured at 25 equally spaced points on a 2.5 ft (750 mm) grid with in a 10 ft x 10 ft (3 m x 3m) square to the rear of vehicle.

The lights shall be switched at the Vista display in the cab.

The rear scene lights shall also be activated when the apparatus is in reverse.

SIGTRONICS INTERCOM SYSTEM

The following Sigtronics intercom system shall be provided and installed to improve the safety of firefighters and rescue professionals through enhanced communication and hearing protection. System shall have the following major components as minimum;

- One (1) US45S Single radio intercom system
- Three (3) PTT Stations - Driver, Officer and compartment RC1 at fill-station
- One (1) intercom jack at driver side rear exterior body panel recess mounted so just the plug/cover is exposed
- Two (2) SE-8 Headsets

INTERCOM SYSTEM INSTALLATION

The above listed intercom system shall be installed in the cab locations as follows;

Front of Cab

- Driver's - Mounted above the right shoulder position on ceiling.
- Officer's - Mounted above the left shoulder position on ceiling.



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WARNING LIGHT PACKAGE

Each apparatus shall have a system of optical warning devices that meets or exceeds the requirements of this section.

The optical warning system shall consist of an upper and a lower warning level. The requirements for each level shall be met by the warning devices in that particular level without consideration of the warning devices in the other level.

For the purposes of defining and measuring the required optical performance, the upper and lower warning levels shall be divided into four (4) warning zones. The four zones shall be determined by lines drawn through the geometric center of the apparatus at 45 degrees to a line drawn lengthwise through the geometric center of the apparatus. The four (4) zones shall be designated A, B, C, and D in a clockwise direction, with zone A to the front of the apparatus.

Each optical warning device shall be installed on the apparatus and connected to the apparatus's electrical system in accordance with the requirements of this standard and the requirements of the manufacturer of the device.

A master optical warning system switch that energizes all the optical warning devices shall be provided.

The optical warning system on the fire apparatus shall be capable of two (2) separate signaling modes during emergency operations. One (1) mode shall signal to drivers and pedestrians that the apparatus is responding to an emergency and is calling for the right-of-way. One (1) mode shall signal that the apparatus is stopped and is blocking the right-of-way. The use of some or all of the same warning lights shall be permitted for both modes provided the other requirements of this chapter are met.

A switching system shall be provided that senses the position of the parking brake or the park position of an automatic transmission. When the master optical warning system switch is closed and the parking brake is released or the automatic transmission is not in park, the warning devices signaling the call for the right-of-way shall be energized. When the master optical warning system switch is closed and the parking brake is on or the automatic transmission is in park, the warning devices signaling the blockage of the right-of-way shall be energized. The system shall be permitted to have a method of modifying the two (2) signaling modes.

The optical warning devices shall be constructed or arranged so as to avoid the projection of light, either directly or through mirrors, into any driving or crew compartment(s). The front optical warning devices shall be placed so as to maintain the maximum possible separation from the headlights.

Steadily burning, non flashing optical sources shall be permitted to be used.



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UPPER LEVEL OPTICAL WARNING DEVICES

The upper-level optical warning devices shall be mounted as high and as close to the corner points of the apparatus as is practical to define the clearance lines of the apparatus. The upper-level optical warning devices shall not be mounted above the maximum height, specified by the device manufacturer.

ZONE A - FRONT WARNING LIGHTS

There shall be one (1) Whelen Edge F4N0QLED LED 60" lightbar permanently mounted to the cab roof.

All clear lights shall shut down when the parking brake is set to comply with "Blocking" mode requirements as outlined in NFPA 1901.

The Lightbar shall match the Santa Fe Springs Fire Department provided layout:

The lightbar shall be separately switched at the vista display in the cab.

The lightbar shall be supplied with one (1) steady burn red LED light on driver's side to comply with California DOT requirements.

GTT OPTICOM

A GTT 795H Opticom emitter light shall be provided inside specified light bar. The Opticom option may replace specified light(s) in specified light bar. The Opticom shall be activated with light bar and de-activated when the park brake is set and the vehicle is in blocking mode.

ZONES B AND D - SIDE WARNING LIGHTS

UPPER REAR CORNER WARNING LIGHTS

There shall be two (2) Whelen M9 series Red Linear Super-LED lights (M9RC) provided, one (1) each side. Each light shall have a clear lens and chrome flange.

The lights shall be switched at the Vista display in the cab.

UPPER FORWARD CORNER WARNING LIGHTS

There shall be two (2) Whelen M9 series Red Linear Super-LED lights (M9RC) provided, one (1) each side. Each light shall have a clear lens and chrome flange.

The lights shall be switched at the Vista display in the cab.



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ZONE C - REAR WARNING LIGHTS

There shall be two (2) Whelen M9 series Red Linear Super-LED lights (M9RC) provided, one (1) each side. Each light shall have a clear lens and chrome flange.

The lights shall be switched at the Vista display in the cab.

LOWER LEVEL OPTICAL WARNING DEVICES

To define the clearance lines of the apparatus, the optical center of the lower-level optical warning devices in the front of the vehicle shall be mounted on or forward of the front axle centerline and as close to the front corner points of the apparatus as is practical.

The optical center of the lower-level optical warning devices at the rear of the vehicle shall be mounted on or behind the rear axle centerline and as close to the rear corners of the apparatus as is practical. The optical center of any lower-level device shall be between 18 in. and 62 in. (460 mm and 1600 mm) above level ground for large apparatus, and 18 in. and 48 in. (460 mm and 1600 mm) above level ground.

A midship optical warning device shall be mounted right and the left sides of the apparatus if the distance between the front and rear lower-level optical devices exceeds 25 ft (7.6 m) at the optical center. Additional midship optical warning devices shall be required, where necessary, to maintain a horizontal distance between the centers of adjacent lower-level optical warning devices of 25 ft (7.6 m) or less. The optical center of any midship mounted optical warning device shall be between 18 in. and 62 in. (460 mm and 1600 mm) above level ground.

ZONE A - FRONT WARNING LIGHTS

There shall be two (2) Whelen M6 series Red Linear Super-LED lights (M6RC) provided, one (1) each side. Each light shall have a clear lens and chrome flange.

The lights shall be switched at the Vista display in the cab.

ZONES B AND D - CAB INTERSECTOR LIGHT (CAB FRONT CORNERS)

There shall be two (2) Whelen M6 series Red Linear Super-LED lights (M6RC) provided, one (1) each side. Each light shall have a clear lens and chrome flange.

The lights shall be switched at the Vista display in the cab.

ZONES B AND D - BODY INTERSECTOR LIGHT (BODY WHEELWELL AREA)

There shall be two (2) Whelen M6 series Red Linear Super-LED lights (M6RC) provided, one (1) each side. Each light shall have a clear lens and chrome flange.

The lights shall be switched at the Vista display in the cab.



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ZONES B AND D - BODY INTERSECTOR LIGHT (BODY REAR CORNERS)

There shall be two (2) Whelen M7 series Red Linear Super-LED lights (M7RC) provided, one (1) each side. Each light shall have a clear lens and chrome flange.

The lights shall be switched at the Vista display in the cab.

ZONE C - REAR WARNING LIGHTS (LOWER REAR CORNERS)

There shall be two (2) Whelen M6 series Red Linear Super-LED lights (M6RC) provided, one (1) each side. Each light shall have a clear lens and chrome flange.

The lights shall be switched at the Vista display in the cab.



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LINE VOLTAGE ELECTRICAL SYSTEM

LIMA PTO GENERATOR

The vehicle shall be equipped with a Lima MAC 360 series, single bearing generator system with a capacity of 40,000 watts at 120/208 volt, 3-phase. Current frequency shall be stable at 60 hertz.

The transmission's PTO port and PTO, or the split shaft PTO, and all associated drive shaft components shall be rated to support the continuous duty torque requirements of the generator's continuous duty rating as stated on the power source nameplate.

Where the generator is driven by the chassis engine and transmission through a split shaft PTO, the driving compartment speedometer shall register when the generator drive system is engaged.

Where the generator is driven by the chassis engine and transmission through a split shaft PTO and a chassis transmission retarder is furnished, it shall be automatically disengaged for generator operations.

The direct drive generator shall be mounted so that it does not change the ramp break-over angle, angle of departure, or angle of approach as defined by other components, and it shall not extend into the ground clearance area.

The direct drive generator shall be mounted away from exhaust and muffler areas or provided with a heat shield to reduce operating temperatures in the generator area.

GENERATOR BONDING

A minimum of four (4) 16" x 2 gauge copper ground straps shall be bolted to body sub-frame and chassis sub-frame for proper bonding of high voltage system. The conductor shall have a minimum amperage rating, as defined in 310.15, "Ampacities for Conductors Rated 0-2000 Volts," of *NFPA 70*, of 115 percent of the rated amperage on the power source specification label.

GENERATOR ENGAGEMENT

A "Generator Engaged" indicator shall be provided in the driving compartment to indicate that the generator shift has been successfully completed.

An "OK to Operate Generator" indicator shall be provided in the driving compartment to indicate that the generator is engaged (if not always engaged), the transmission is in the proper gear (if required, automatic transmissions only), and the parking brake is engaged (if applicable).

An interlock system shall be provided to prevent advancement of the engine speed in the driving compartment or at any operator's panel unless the parking brake is engaged, and the transmission is in neutral or the output of the transmission is correctly connected to a pump or generator instead of the drive wheels.



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WARRANTY PERIOD

Provided such goods are operated and maintained in accordance with Marathon's written instruction; Marathon warrants that the MAC series PTO continuous duty generators shall be free from defects in material and workmanship for a period of one (1) year, from the date of delivery to the first purchaser.

The generator shall be engaged at the driver's Vista display in the cab.

GENERATOR MOUNTING

The generator shall be mounted between the chassis frame rails. The generator mounting brackets shall be fabricated using heavy duty steel tubing, or structural channel. The generator mounting shall be bolted and removable so that the generator can be lowered from under apparatus for service, if necessary. The generator case shall not extend below the bottom edge of the apparatus body.

POWER-TAKE-OFF GENERATOR DRIVE

There shall be a "Hot Shift" power-take-off (PTO) installed on the transmission PTO opening of the chassis. The "Hot Shift" PTO is provided to allow the engagement of the PTO at higher engine RPM speeds. The PTO output shall be connected to the generator through hollow tube type driveline with heavy duty universals.

The engagement of the PTO shall be in the chassis cab with a rocker switch and red pilot light to note engagement of the PTO or via the V-Mux screen if so equipped.

The power supply to the PTO engagement control shall be wired to the parking brake and a neutral position transmission switch to prevent engagement unless the vehicle is stopped and transmission has been placed in neutral.

The installation of the engine, transmission, driven accessories (power takeoffs (PTO), etc.) shall meet the engine and transmission manufacturers' installation recommendations for the service intended.

Model part number shall be Chelsea 280GKFJP-B5XV, 164% Ratio.

ENGINE SPEED CONTROL

An engine speed auxiliary control device (high idle switch or throttle) shall be installed to maintain a stable cycle output from generator when the apparatus is parked.

An interlock shall prevent the operation of the engine speed auxiliary control device unless the parking brake is engaged and the transmission is in neutral or park, or the parking brake is engaged and the engine is disengaged from the drive wheels.

The engine shall be prevented from regulating its own engine speed during times when engine rpm control is critical for consistent apparatus functions such as generator, water pump, or aerial operation.



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LOADCENTER

The loadcenter shall be an Eaton BR Series specifically designed for protection and distribution of AC line voltage such as lighting and small motor branch circuits. The loadcenter enclosure is made of 16 gauge galvanized sheet steel with a galvanized coating provided for corrosion protection. All trims used on BR loadcenters are chromate sealed and finished with an electro-disposition epoxy paint (ANSI-61) which exceeds requirements for outdoor and indoor applications. A combination surface/flush cover with integral door is supplied with indoor loadcenters rated from 100 through 400 amperes. All plug-in loadcenters are CSA listed to file LL98266. CSA Certified to C22.2 No.29, to loadcenter type and CSA listing.

GENERATOR MONITORING PANEL

To properly monitor the generator performance and load demand during operation, the generator installation shall be equipped with a full instrument monitor panel.

- Generator frequency in hertz
- Line voltage, phase to neutral or phase to phase, in volts
- Line current in amperes

Individual line current and voltage shall be displayed at the push of a button.

The program shall support the accumulation of elapsed generator hours. Generator hours shall be displayed.

SHORE POWER INLET - BATTERY CHARGER

Shore power shall be wired to all primary 120 VAC, 20 ampere electrical outlets on apparatus (maximum of two (2) circuits). Circuits shall be provided with circuit breaker protection with either generator or shore power providing power.

OUTLETS AND CIRCUITS

The generator and or shore power shall supply the 120/240 volt electrical equipment and outlets outlined below. Proper circuit protection shall be installed as noted:

- Two (2) 120 volt exterior outlets, one (1) each side rear of body.
- The outlet receptacle(s) shall be 20 amp, twist-lock (NEMA L5-20R).



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LINE VOLTAGE ELECTRICAL SYSTEM

GENERAL REQUIREMENTS

Stability

Any fixed line voltage power source producing alternating current (ac) shall produce electric power at 60 Hz, ± 3 Hz when producing power at all levels between no load and full rated power. Any fixed line voltage power source shall produce electric power at the rated voltage ± 10 percent when producing power at all levels between no load and full rated power.

The maximum voltage supplied to portable equipment shall not exceed 275 volts to ground. Higher voltage shall be permitted only when used to operate fixed wired, permanently mounted equipment on the apparatus.

Conformance with National Electrical Code

All components, equipment, and installation procedures shall conform to *NFPA 70, National Electrical Code*, except where superseded by the requirements of this chapter. Where the requirements of this chapter differ from those in *NFPA 70*, the requirements in this chapter shall apply.

Where available, line voltage electrical system equipment and materials included on the apparatus shall be listed and used only in the manner for which they have been listed. All equipment and materials shall be installed in accordance with the manufacturer's instructions.

Location Ratings

Any equipment used in a dry location shall be listed for dry locations. Any equipment used in a wet location shall be listed for wet locations.

Any equipment, except a PTO-driven generator, used in an underbody or under chassis location that is subject to road spray shall be either listed as Type 4 or mounted in an enclosure that is listed as Type 4.

If a PTO-driven generator is located in an underbody or under chassis location, the installation shall include a shield to prevent road spray from splashing directly on the generator.



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Grounding

Grounding shall be in accordance with 250.34(A) and 250.34(B) of *NFPA 70*. Ungrounded systems shall not be used.

Only stranded or braided copper conductors shall be used for grounding and bonding.

The grounded current-carrying conductor (neutral) shall be insulated from the equipment-grounding conductors and from the equipment enclosures and other grounded parts.

The neutral conductor shall be colored white or gray in accordance with 200.6, "Means of Identifying Grounded Conductors," of *NFPA 70*.

Any bonding screws, straps, or buses in the distribution panel board or in other system components between the neutral and equipment-grounding conductor shall be removed and discarded.

Bonding

The neutral conductor of the power source shall be bonded to the vehicle frame. The neutral bonding connection shall occur only at the power source. In addition to the bonding required for the low voltage return current, each body and each driving or crew compartment enclosure shall be bonded to the vehicle frame by a copper conductor.

The conductor shall have a minimum ampere rating, as defined in 310.15, "Ampacities for Conductors Rated 0–2000 Volts," of *NFPA 70*, of 115 percent of the rated ampere on the power source specification label.

A single conductor that is sized to meet the low voltage and line voltage requirements shall be permitted to be used.

Ground Fault Circuit Interrupters

In special service vehicles incorporating a lavatory, sink, toilet, shower, or tub, 120 V, 15 or 20 A receptacles within 6 ft (1.8 m) of these fixtures shall have ground fault circuit interrupter (GFCI) protection. GFCIs integrated into outlets or circuit breakers or as stand-alone devices shall be permitted to be used in situations.

Power Source General Requirements

All power source system mechanical and electrical components shall be sized to support the continuous duty nameplate rating of the power source.

The power source shall be shielded from contamination that would prevent the power source from operating within its design specifications.



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Power Source Rating

For power sources of 8 kW or larger, the power source manufacturer shall declare the continuous duty rating that the power source can provide when installed on fire apparatus according to the manufacturer's instructions and run at 120°F (49°C) air intake temperature at 2000 ft (600 m) above sea level.

The rating on the power source specification label shall not exceed the declared rating from the power source manufacturer.

Access shall be provided to permit both routine maintenance and removal of the power source for major servicing. The power source shall be located such that neither it nor its mounting brackets interfere with the routine maintenance of the fire apparatus.

Instrumentation

If the power source is rated at less than 3 kW, a "Power On" indicator shall be provided. If the power source is rated at 3 kW or more but less than 8 kW, a voltmeter shall be provided.

If the power source is rated at 8 kW or more, the following instrumentation shall be provided at an operator's panel:

- Voltmeter
- Current meters for each ungrounded leg
- Frequency (Hz) meter
- Power source hour meter

The instrumentation shall be permanently mounted at an operator's panel. The instruments shall be located in a plane facing the operator. Gauges, switches, or other instruments on this panel shall each have a label to indicate their function.

The instruments and other line voltage equipment and controls shall be protected from mechanical damage and not obstructed by tool mounting or equipment storage.

An instruction plate(s) that provides the operator with the essential power source operating instructions, including the power-up and power-down sequence, shall be permanently attached to the apparatus at any point where such operations can take place.



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Operation

Provisions shall be made for placing the generator drive system in operation using controls and switches that are identified and within convenient reach of the operator.

Where the generator is driven by the chassis engine and engine compression brakes or engine exhaust brakes are furnished, they shall be automatically disengaged for generator operations.

Any control device used in the generator system power train between the engine and the generator shall be equipped with a means to prevent unintentional movement of the control device from its set position in the power generation mode.

If there is permanent wiring on the apparatus that is designed to be connected to the power source, a power source specification label that is permanently attached to the apparatus at the operator's control station shall provide the operator with the information required.

The power source, at any load, shall not produce a noise level that exceeds 90 dBA in any driving compartment, crew compartment, or onboard command area with windows and doors closed or at any operator's station on the apparatus.

Power Supply Assembly

The conductors used in the power supply assembly between the output terminals of the power source and the main over current protection device shall not exceed 12 ft (4 m) in length.

All power supply assembly conductors, including neutral and grounding conductors, shall have an equivalent ampere rating and shall be sized to carry not less than 115 percent of the ampere rating of the nameplate current rating of the power source.

If the power supply assembly connects to the vibrating part of a generator (not a connection on the base), the conductors shall be flexible cord or other fine-stranded conductors enclosed in metallic or nonmetallic liquid tight flexible conduit rated for wet locations and temperatures not less than 194°F (90°C).

Over-current Protection

Manually re-settable over current devices shall be installed to protect the line voltage electrical system components.



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Power Source Protection

A main over current protection device shall be provided that is either incorporated in the power source or connected to the power source by a power supply assembly.

The size of the main over current protection device shall not exceed 100 percent of the rated amperage stated on the power source specification label or the rating of the next larger available size over current protection device, where so recommended by the power source manufacturer.

If the main over current protection device is subject to road spray, the unit shall be housed in a Type 4-rated enclosure.

Branch Circuit Over-current Protection

Over current protection devices shall be provided for each individual circuit and shall be sized at not less than 15 amps in accordance with 240.4, "Protection of Conductors," of *NFPA 70*.

Any panel board shall have a main breaker where the panel has six or more individual branch circuits or the power source is rated 8 kW or larger.

Each over current protection device shall be marked with a label to identify the function of the circuit it protects.

Dedicated circuits shall be provided for any large appliance or device (air conditioning units, large motors, etc.) that requires 60 percent or more of the rated capacity of the circuit to which it is connected, and that circuit shall serve no other purpose.

Panelboards

All fixed power sources shall be hardwired to a permanently mounted panel board unless one of the following conditions exists:

- All line voltage power connections are made through receptacles on the power source and the receptacles are protected by integrated over current devices.
- Only one circuit is hardwired to the power source, which is protected by an integrated over current device.

The panel shall be visible and located so that there is unimpeded access to the panel board controls. All panel boards shall be designed for use in their intended location. The panel(s) shall be protected from mechanical damage, tool mounting, and equipment storage.

Where the power source is 120/240 V and 120 V loads are connected, the apparatus manufacturer or line voltage system installer shall consider load balancing to the extent that it is possible.



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Wiring Methods

Fixed wiring systems shall be limited to the following:

- Metallic or nonmetallic liquid tight flexible conduit rated at temperatures not less than 194°F (90°C) with stranded copper wire rated for wet locations and temperatures not less than 194°F (90°C)
- Type SOW, SOOW, SEOW, or SEOOW flexible cord rated at 600 V and at temperatures not less than 194°F (90°C)

Electrical cord or conduit shall not be attached to chassis suspension components, water or fuel lines, air or air brake lines, fire pump piping, hydraulic lines, exhaust system components, or low voltage wiring and shall be arranged as follows:

- Separated by a minimum distance of 12 in. (300 mm) from exhaust piping or shielded from such piping
- Separated from fuel lines by a minimum distance of 6 in. (150 mm)

A means shall be provided to allow “flexing” between the driving and crew compartment, the body, and other areas or equipment whose movement would stress the wiring.

Electrical cord or conduit shall be supported within 6 in. (150 mm) of any junction box and at a minimum of every 24 in. (600 mm) of run.

Supports shall be made of nonmetallic materials or of corrosion-resistant or corrosion-protected metal. All supports shall be of a design that does not cut or abrade the conduit or cord and shall be mechanically fastened to the apparatus.

Only fittings and components listed for the type of cord or conduit being installed shall be used.

Splices shall be made only in a listed junction box.

Additional Requirements for Flexible Cord Installations

Where flexible cord is used in any location where it could be damaged, it shall be protected by installation in conduit, enclosures, or guards.

Where flexible cord penetrates a metal surface, rubber or plastic grommets or bushings shall be installed.

Wiring Identification

Each line voltage circuit originating from the main panel board shall be identified.

The wire or circuit identification either shall reference a wiring diagram or wire list or shall indicate the final termination point of the circuit.

Where pre-wiring for future power sources or devices exists, the un-terminated ends shall be marked with a label showing their wire size and intended function.



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Wiring System Components

Only stranded copper conductors with an insulation rated for temperatures of at least 194°F (90°C) and wet locations shall be used. Conductors in flexible cord shall be sized in accordance with Table 400.5(A) of *NFPA 70*. Conductors used in conduit shall be sized in accordance with 310.15, "Ampacities for Conductors Rated 0–2000 Volts," of *NFPA 70*. Aluminum or copper-clad aluminum conductors shall not be used.

All boxes shall conform to and be mounted in accordance with Article 314, "Outlet, Device, Pull, and Junction Boxes; Conduit Bodies; Fittings; and Manholes," of *NFPA 70*. All boxes shall be accessible using ordinary hand tools. Boxes shall not be permitted behind welded or pop-riveted panels.

The maximum number of conductors permitted in any box shall be in accordance with 314.16, "Number of Conductors in Outlet, Device, and Junction Boxes, and Conduit Bodies," of *NFPA 70*.

All wiring connections and terminations shall provide a positive mechanical and electrical connection. Connectors shall be installed in accordance with the manufacturer's instructions. Wire nuts or insulation displacement and insulation piercing connectors shall not be used.

Each switch shall indicate the position of its contact points (i.e., open or closed) and shall be rated for the continuous operation of the load being controlled. All switches shall be marked with a label indicating the function of the switch. Circuit breakers used as switches shall be "switch rated" (SWD) or better. Switches shall simultaneously open all associated line voltage conductors. Switching of the neutral conductor alone shall not be permitted.

Line voltage circuits controlled by low voltage circuits shall be wired through properly rated relays in listed enclosures that control all non-grounded current-carrying conductors.

Receptacles and Inlet Devices

Wet and Dry Locations

All wet location receptacle outlets and inlet devices, including those on hardwired, remote power distribution boxes, shall be of the grounding type, provided with a wet location cover, and installed in accordance with Section 406.8, "Receptacles in Damp or Wet Locations," of *NFPA 70*.

All receptacles located in a wet location shall be not less than 24 in. (600 mm) from the ground. Receptacles on off road fire apparatus shall be a minimum of 30 in. (750 mm) from the ground. All receptacles located in a dry location shall be of the grounding type and shall be at least 12 in. (300 mm) above the interior floor height. No receptacle shall be installed in a face-up position.

The face of any wet location receptacle shall be installed in a plane from vertical to not more than 45 degrees off vertical.



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Receptacle Label

Each receptacle shall be marked with a label indicating the nominal line voltage (120 volts or 240 volts) and the current rating in amps of the circuit. If the receptacle is DC or other than single phase, that information shall also be marked on the label.

All receptacles and electrical inlet devices shall be listed to UL 498, *Standard for Safety Attachment Plugs and Receptacles*, or other recognized performance standards.

Receptacles used for DC voltages shall be rated for DC service.

Wiring Schematics

An "As-Built" Wiring diagrams for line voltage systems shall be provided to include the following information;

- Pictorial representations of circuit logic for all electrical components and wiring
- Circuit identification
- Connector pin identification
- Zone location of electrical components
- Safety interlocks
- Alternator-battery power distribution circuits
- Input/output assignment sheets or equivalent circuit logic implemented in multiplexing systems



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120/240 VAC SCENE LIGHTING

REAR TRIPOD SCENE LIGHTS

Two (2) Whelen 3200 series folding tripod light(s) model 8728304 shall be provided. The 50" AC folding tripod pole assembly shall incorporate 50" internal aluminum alloy pole with an outer diameter of 1.125" with an inner diameter of 0.875" and 30" folding legs. The internal coil cord cable shall be UL listed and have a liquid tight strain relief that eliminates internal wire twisting. The internal coil cord cable shall be installed with a NEMA 5-20 plug.

The tripod shall have ability to be mounted by an upper body quick disconnect mounting bracket and a lower folded tripod mounting cradle. All mounting hardware shall be stainless steel.

Voltage: +120v AC

Height of Tripod Folded = 56.40"

Height of Tripod Folded Out = 104.51" Max. Length

Diameter of Tripod Legs When Folded Out = 51.12"

Each tripod assembly shall have a Whelen Pioneer Plus model PFP2AP provided. The 150 watt 120 VAC Pioneer light head shall incorporate Super-LED dual flood light installed in a die-cast white powder coated aluminum housing. The PFP2AC configuration shall consist of 72 white Super-LEDs with a clear optic collimator/reflector assembly and a clear non-optic polycarbonate lens. The Pioneer flood light shall have 15,000 usable lumens.

The tripod and light is covered by a five year factory warranty.

Voltage: +120v AC

Size: H=4.125", W=14.00", D=2.50"

Amp Draw: Spot Light = 1.20 Amps

Lens Color: Clear

A weatherproof on-off toggle switch shall be mounted in a switch box below the lamphead.



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LIGHT TOWER

Two (2) Command Light, CL Series light tower(s) shall be provided and installed on the completed unit. A flashing warning light shall be provided in cab, indicating when a light tower is not in nested position as required by NFPA 1901.

The Command Light shall be covered by a five (5) year limited warranty from defects in materials and workmanship. An operation, maintenance, and parts manual shall be provided with the completed unit.

The light tower shall extend 131" above the mounting surface and shall extend to full upright position in less than 15 seconds. The overall size of nested light tower shall be approximately 42" wide x 74" long x 12" high and weigh approximately 300 pounds.

Light Tower Construction and Design

The Command Light assembly shall be of aluminum construction, with stainless steel shafts and bronze bushings for long life and low maintenance.

The electrically controlled unit shall not require usage of the vehicle's air supply for operation, thereby eliminating the chance for air leaks in the vehicle braking system. Hydraulic or pneumatic type floodlights are not acceptable alternatives to the specified all electric light tower.

The light tower shall be tested to in wind conditions of 90 mph (150 kph) minimum. Light towers that have not been tested to these conditions are not acceptable.

The light tower shall be capable of overhanging the side or back of the vehicle to provide maximum illumination to the vicinity adjacent to the vehicle for the safety of emergency personnel in high traffic conditions. Light towers that are only capable of rotation at the top of a pole are not acceptable to the specified light tower.

Light Tower Electrical System

The light tower shall be a two-stage articulating device with a lighting bank on top of the second stage capable of continuous 360 degree rotation. The light shall be elevated by electric linear actuators, one (1) actuator shall elevate the light bank and one (1) actuator shall adjust the light bank angle from 0 to 110 degrees. Power for the light bank shall be supplied through power collecting rings thus allowing continuous 360 degree rotation in either direction.

The tower base shall have a light that illuminates the envelope of motion during any movement of the light tower mast as required by NFPA 1901.

Light Tower Floodlights



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The Command Light model CL615A-2MH shall be equipped with the following bank of floodlights:

Floodlight manufacturer:	Hubbell Quartz/ Akron Brass MH
Number of lamp heads:	Four (4) 1,500 watt Quartz Halogen Two (2) 1,000 watt Extenda-Lite Metal Halide
Voltage:	240 volts
Total watts of light tower:	8,000 watts
Total lumens of light tower:	350,000 lumens
Configuration:	The light heads shall be mounted with three (3) on each side of the light tower, giving two (2) vertical lines of three (3) when the lights are in the upright position.

Light Tower Backlight Option

A backlight option shall be provided on the light tower. The lower pair of light heads shall be capable of being rotated about a horizontal axis 180 degree, providing light down on the vehicle or to the opposite side of the vehicle while allowing the fixed lights to remain pointed at the scene.

The hand-held remote control shall have an additional switch supplied for the backlight rotation option.

Light Tower Paint

The light tower shall be electro-statically powder coated with a hammer tone gray color.

Light Tower Controls

The light tower(s) shall be operated with a hand-held 15-foot umbilical line remote control. The storage station for the remote control unit shall be equipped with a button to activate the "Auto-Park" automatic nesting feature. The remote control shall be located per the itemized compartment list and include;

Three (3) switches; one (1) for each pair of lights.

One (1) switch for light bank rotation.

One (1) switch for elevating lower stage.

One (1) switch for elevating upper stage.

One (1) switch for optional light bank rotation.

One (1) switch for the optional strobe.

One (1) indicator light to indicate when light bank is out of the roof nesting position.

One (1) indicator light to indicate when light bank is rotated to proper nesting position.



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Light Tower Mounting

The specified light tower(s) shall be recessed into the roof of body to allow light tower(s) to be stowed below roof level. The floor and side walls of recessed area shall be fabricated as a separate module from 3/16" aluminum treadplate with an overlapping 3" flange around perimeter roof line. The recessed area shall be completely water tight. All electrical connections made to light tower shall be located on sidewalls for a water tight connection.

The recessed area shall have two (2) water drain holes (in opposite corners) with flexible 1" diameter hose routed to the area below the body. The drains shall be provided with sheet metal screen to prevent debris from clogging drain hoses.



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EQUIPMENT PAYLOAD WEIGHT ALLOWANCE

In compliance with NFPA 1901 standards, the special service vehicle shall be designed for an equipment loading allowance of 4,000 lbs. of Santa Fe Springs Fire Department provided equipment based on a 30,001 - 40,000 pound gross vehicle weight rating.

EQUIPMENT

The following equipment shall be furnished with the completed special service vehicle;

- One (1) container of assorted stainless steel nuts, bolts, screws and washers used in the construction of the apparatus shall be provided with the completed apparatus.
- There shall be two (2) Zico AC-44 NFPA approved aluminum wheel chocks provided for 44" diameter tires that together will hold the vehicle when loaded to its GVWR or GCWR, on a hard surface with a 20 % grade, with the transmission in neutral, and the parking brake released.
- The wheel chock(s) shall be mounted on the apparatus, location as per the Santa Fe Springs Fire Department.
- Two (2) Super Vac V18VE, 18" electric variable speed ventilation fan(s) shall be provided with the completed unit.
- Two Super Vac Mountain Misters will be shipped loose on the apparatus.
- The above specified ventilation fan(s) shall be shipped loose with the completed unit.
- Two (2) Super Vac F164M, 16" electric misting fans shall be provided with the completed unit.
- The above specified ventilation fan(s) shall be shipped loose with the completed unit.
- Two (2) Streamlight FireBox halogen flashlight(s) with shoulder strap shall be provided. Each flashlight shall be orange in color and have a 12 volt DC charger and vehicle mount kit. Each flashlight shall have an 8 watt, 150 lumen halogen spotlight style bulb and reflector with 2 ultra-bright LED taillights. The flashlight(s) shall be wired to battery direct unless otherwise specified by Santa Fe Springs Fire Department.
- The flashlight(s) shall be mounted on the completed unit in the lower area of compartment S1.

REMAINING NFPA MINOR EQUIPMENT BY PURCHASER

All other minor equipment not specified above, but required by NFPA 1901 for special service vehicles, section 10.9.3 shall be supplied and mounted by Santa Fe Springs Fire Department before the unit is placed in emergency service.

**MOTOROLA SOLUTIONS**

Quote Number: QU0000395110

Effective: 28 FEB 2017

Effective To: 29 APR 2017

Bill-To:

SANTA FE SPRINGS, CITY OF
11710 TELEGRAPH RD
SANTA FE SPRINGS, CA 90670
United States

Ultimate Destination:

SANTA FE SPRINGS, CITY OF
11710 TELEGRAPH RD
SANTA FE SPRINGS, CA 90670
United States

Attention:

Name: Capt. Jay Joiner
Email: jayjoiner@santafesprings.org

Sales Contact:

Name: James Jun
Email: james.jun@commlineinc.com
Phone: 3103908003

Contract Number: LA COUNTY (CA)**Freight terms:** FOB Destination**Payment terms:** Net 30 Due

Item	Quantity	Nomenclature	Description	List price	Your price	Extended Price
1	1	M37TSS9PW1AN	APX8500 ALL BAND MP MOBILE	\$4,770.00	\$3,577.50	\$3,577.50
1a	1	GA00235AE	ADD: NO GPS/WI-FI ANTENNA NEEDED	-	-	-
1b	1	W22BA	ADD: STD PALM MICROPHONE APEX	\$72.00	\$54.00	\$54.00
1c	1	GA01513AA	ADD: ALL BAND MOBILE ANTENNA (7/8/V/U)	\$95.00	\$71.25	\$71.25
1d	1	G67DF	ADD: REMOTE MOUNT MP	\$297.00	\$222.75	\$222.75
1e	1	GA00249AE	ADD: 3 YR SFS COMPREHENSIVE	\$400.00	\$400.00	\$400.00
1f	1	G628AC	ADD: REMOTE MOUNT CBL 17 FEET	\$15.00	\$11.25	\$11.25
1g	1	G806BL	ENH: ASTRO DIGITAL CAI OP APEX	\$515.00	\$386.25	\$386.25
1h	1	G51AT	ENH: SMARTZONE OPERATION APX	\$1,500.00	\$1,125.00	\$1,125.00
1i	1	W432AG	ADD: AUXILARY SPKR 13W (3.2OHM)	\$71.50	\$53.63	\$53.63
1j	1	GA01517AA	DEL: NO J600 ADAPTER CABLE NEEDED	-	-	-
1k	1	G361AH	ADD: P25 TRUNKING SOFTWARE	\$300.00	\$225.00	\$225.00
1l	1	GA00580AA	ADD: TDMA OPERATION	\$450.00	\$337.50	\$337.50
1m	1	G996AS	ENH: OVER THE AIR PROVISIONING	\$100.00	\$75.00	\$75.00
1n	1	GA09001AA	ADD: WI-FI CAPABILITY	\$300.00	\$225.00	\$225.00
1o	1	GA09007AA	ADD: OUT OF THE BOX WI-FI PROVISIONING	-	-	-
1p	1	W12DK	ADD: RF PREAMP	\$66.00	\$49.50	\$49.50
1q	1	G442AJ	ADD: OS CONTROL HEAD	\$432.00	\$324.00	\$324.00
1r	1	G444AH	ADD: APX CONTROL HEAD SOFTWARE	-	-	-
2	2	H91TGD9PW7AN	APX 8000 ALL BAND PORTABLE MODEL 3.5	\$6,109.00	\$4,581.75	\$9,163.50
2a	2	QA01427AG	ALT:APX 8000 HOUSING GREEN	\$25.00	\$18.75	\$37.50
2b	2	Q806CB	ADD: ASTRO DIGITAL CAI OPERATION	\$515.00	\$386.25	\$772.50
2c	2	HA00025AK	ENH: SFS COMPREHENSIVE 5 YR	\$480.00	\$480.00	\$960.00
2d	2	QA05100AA	ENH:STD WARRANTY APPLIES-NO SFS	-	-	-
2e	2	H499JL	ENH: SUBMERSIBLE (DELTA T)	\$150.00	\$112.50	\$225.00
2f	2	QA02006AC	ENH: APX8000XE RUGGED RADIO	\$800.00	\$800.00	\$1,600.00
2g	2	H38BS	ADD: SMARTZONE OPERATION	\$1,500.00	\$1,125.00	\$2,250.00
2h	2	Q361AN	ADD: P25 9600 BAUD TRUNKING	\$300.00	\$225.00	\$450.00

Item	Quantity	Nomenclature	Description	List price	Your price	Extended Price
2i	2	QA00580AA	ADD: TDMA OPERATION	\$450.00	\$337.50	\$675.00
2j	2	G996AP	ADD: PROGRAMMING OVER P25 (OTAP)	\$100.00	\$75.00	\$150.00
2k	2	Q53AF	ADD: FRONT PANEL PROGRAMMING (FPP)	\$150.00	\$112.50	\$225.00
2l	2	QA09001AB	ADD: WIFI CAPABILITY	\$300.00	\$225.00	\$450.00
2m	2	QA09007AA	ADD: OUT OF THE BOX WIFI PROVISIONING	-	-	-
3	2	NNTN8575A	AUDIO ACCESSORY-REMOTE SPEAKER MICROPHONE,IMPRES XE RSM XT CABLE GREEN	\$480.00	\$360.00	\$720.00
4	2	NNTN7526A	ACCESSORY KIT,MFG #:AS10-08040001	\$39.78	\$39.78	\$79.56
5	2	NNTN7624C	CHARGER,CHR IMP VEH EXT NA/EU KIT	\$429.00	\$364.65	\$729.30

Estimated Tax Amount

\$2,242.19

Total Quote in USD

\$27,867.18

Air Light 828

THIS QUOTE IS BASED ON THE FOLLOWING:

1 This quotation is provided to you for information purposes only and is not intended to be an offer or a binding proposal.

If you wish to purchase the quoted products, Motorola Solutions, Inc. ("Motorola") will be pleased to provide you with our standard terms and conditions of sale (which will include the capitalized provisions below), or alternatively, receive your purchase order which will be acknowledged.

Thank you for your consideration of Motorola products.

- 2 Quotes are exclusive of all installation and programming charges (unless expressly stated) and all applicable taxes.
- 3 Purchaser will be responsible for shipping costs, which will be added to the invoice.
- 4 Prices quoted are valid for thirty(30) days from the date of this quote.
- 5 Unless otherwise stated, payment will be due within thirty days after invoice. Invoicing will occur concurrently with shipping.

MOTOROLA DISCLAIMS ALL OTHER WARRANTIES WITH RESPECT TO THE ORDERED PRODUCTS, EXPRESS OR IMPLIED INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

MOTOROLA'S TOTAL LIABILITY ARISING FROM THE ORDERED PRODUCTS WILL BE LIMITED TO THE PURCHASE PRICE OF THE PRODUCTS WITH RESPECT TO WHICH LOSSES OR DAMAGES ARE CLAIMED. IN NO EVENT WILL MOTOROLA BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.



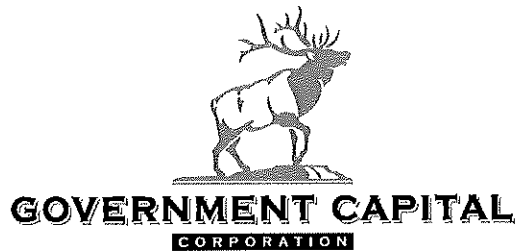
REQUEST FOR QUOTE			
DATE:	2/28/2017	SALES REP:	James Jun

COMPANY: Santa Fe Springs Fire Dept
ATTENTION: Capt. Jay Joiner
ADDRESS: 11710 E. Telegraph Road
CITY/ST/ZIP: Santa Fe Springs, CA 90670
PHONE: (951) 642-1028
EMAIL: jayjoiner@santafesprings.org

COMPANY:
ATTENTION:
ADDRESS:
CITY/ST/ZIP:
PHONE:
EMAIL:

RE: Air Light 828 Equipment				
QTY	MODEL/PART #	DESCRIPTION	UNIT COST	EXT COST
1	GPSB3	Panorama Sharkee Multi-Band 2G/3G/4G GPS/WIFI Antenna	\$ 210.00	\$ 210.00
		Complete with cabling and FME Style Connectors		
1	GX450	Sierra Wireless GX450 Modem WiFi option Verizon Carrier	\$ 916.65	\$ 916.65
1	F110	Getac F110 G2, i7-5500U, 11.6 in+Webcam, Win7x32+4GB, 128GB SSD, Sunlight Readable (LCD+Touchscreen), Camera, Wifi+BT+GPS+Gobi+Passthrough	\$ 2,550.00	\$ 2,550.00
1	DS-GTC-202	Havis Docking Station w/ Power Supply (No RF Passthrough)	\$ 650.00	\$ 650.00
	Notes:	Quote good for 30 days.	Sub-Total	\$ 4,326.65
			Tax (8.75%)	\$ 378.58
			Freight	\$ 65.00
			Labor	\$ -
			GRAND TOTAL	\$ 4,770.23

Page 1 of 1



June 15, 2017

City of Santa Fe Springs, CA

Thank you for the opportunity to present proposed financing for the City of Santa Fe Springs, CA for the financing of an Air & Light Vehicle. The transaction would be structured as follows:

Issuer	City of Santa Fe Springs, CA.		
Financing Structure:	Tax Exempt Financing		
Equipment Cost:	\$599,000.00		
Issuance Cost:	\$5,990.00		
Financed Amount:	\$604,990.0		
Term:	5 Ann. Pmts.	7 Ann. Pmts.	10 Ann. Pmts.
Annual Payments:	\$129,286.49	\$95,101.91	\$69,662.27
Interest Rate:	2.250%	2.450%	2.650%
TIC:	2.595%	2.712%	2.844%
Payment Factor:	.21370	.15720	.11515
Payments Commence:	One year from closing an annual thereafter.		
Term:	5 Ann. Pmts.	7 Ann. Pmts.	10 Ann. Pmts.
Annual Payments:	\$126,441.56	\$92,827.64	\$67,863.88
Interest Rate:	2.250%	2.450%	2.650%
TIC:	2.726%	2.802%	2.889%
Payment Factor:	.20900	.15344	.11217
Payments Commence:	At closing an annual thereafter.		

The above terms are subject to bank qualifications, audit analysis and mutually acceptable documentation. The rates outlined herein are good for **14 days** from the date on the proposal. After which they are subject to change.

Please let me know if there are any questions about the proposed terms.

Sincerely,

Landon Newton

Government Capital Corporation
Landon.Newton@govcap.com
817-421-5400

The transaction described herein is an arm's length, commercial transaction between you and Government Capital Corporation ("GCC"), in which GCC: (i) is acting solely for its own financial and other interests that may differ from yours; (ii) is not acting as your municipal advisor or financial advisor, and has no fiduciary duty to you with respect to this transaction; and (iii) is not recommending that you take an action with respect to this transaction.





City of Santa Fe Springs

City Council Meeting

June 22, 2017

NEW BUSINESS

Resolution Nos. 9551 and 9552 – Approval of Engineer's Report (FY 2017/18) in Conjunction with Annual Levy of Assessment for Heritage Springs Assessment District No. 2001-1 (Hawkins Street and Palm Drive)

RECOMMENDATION

That the City Council take the following actions:

- Adopt Resolution 9551, approving the Engineer's Report (FY 2017/18) in conjunction with the annual levy of assessments for the Heritage Springs Assessment District No. 2001-01; and
- Adopt Resolution No. 9552, declaring the City of Santa Fe Springs' intention to provide for an annual levy and collection of assessments for Heritage Springs Assessment District No. 2001-01, and setting the public hearing for the Council meeting of July 13, 2017.

BACKGROUND

The Heritage Springs Assessment District (Assessment District) No. 2001-1 was formed on June 28, 2001, pursuant to the provisions of the Municipal Improvement Act of 1913, Division 12. A map of the Assessment District is enclosed.

The District included a mechanism to provide funding on an annual basis for ongoing street maintenance which includes slurry sealing, street resurfacing and street reconstruction as needed. The requirement for a street maintenance district component was a condition of approval for the initial development. Staff annually inspects the condition of the streets to determine when improvements are needed. Currently the existing status of the street is in fair-to-good condition.

At their meeting of March 23, 2017 the City Council approved Resolution No. 9537 ordering the preparation of the Engineer's Report for FY 2017/18. A copy of the Engineer's Report for the Assessment District No. 2001-1 is attached for your review and approval. Resolution 9551 approves the Annual Engineer's Report.

Resolution No. 9552, declares the City's Intention to Levy Annual Assessments in the Heritage Springs Assessment District and sets the public hearing date for July 13, 2017.

FISCAL IMPACT

The District has a positive financial impact on the City because a benefit assessment district is used to fund the street maintenance costs attributable to such developments.

A handwritten signature in blue ink, appearing to be "N. Negrete".

INFRASTRUCTURE IMPACT

The infrastructure has been constructed for this development and has been maintained on a regular schedule.



Thaddeus McCormack
City Manager

Attachments:

1. Engineer's Report FY 2017/18
2. Resolution Nos. 9551 and 9522
3. Boundary Map



ENGINEER'S REPORT

For

Heritage Springs Assessment District No. 2001-1

Fiscal Year 2017-18

For the

City of Santa Fe Springs

Los Angeles County, California]

June 13, 2017



Harris & Associates

**ENGINEER'S REPORT
Fiscal Year 2017-18
City of Santa Fe Springs
Heritage Springs Assessment District No. 2001-1**

WHEREAS, the City of Santa Fe Springs, County of Los Angeles, State of California, pursuant to the provisions of the Section 10100.8 Municipal Improvement Act of 1913, being Division 12 of the California Streets and Highways Code (the "Act") intends to undertake proceedings for the annual levy of special assessments in and for the City's Heritage Springs Assessment District No. 2001-1 (the "District");

NOW THEREFORE, the undersigned Engineer of Work hereby submit herewith the "Report" consisting of five (5) parts as follows:

PART A – DESCRIPTION

A description of the maintenance activities to be performed.

PART B – COST ESTIMATE

An estimate of the maintenance costs to be paid from the District.

PART C – ASSESSMENT ROLL

The assessment by parcel.

PART D – METHOD OF ASSESSMENT

The way the assessment is apportioned.

PART E – ASSESSMENT DIAGRAM

A diagram showing the boundaries of the District.

The undersigned respectfully submits the enclosed Report.

DATED: June 13, 2017

BY: K. Dennis Klingelhofer
R.C.E. No. 50255



This Report, as signed and presented to the Council for approval, has been prepared according to the methodology and rates approved by the City Council when the District was formed.

PART A – DESCRIPTION

The assessments in the District shall be levied for the maintenance of improvements as follows, and shall include all incidental expenses, including administration, legal, establishment of reserves, collection and contracting:

The improvements proposed to be maintained may be generally described as Hawkins Street, east of Norwalk Boulevard, and Palm Drive, south of Hawkins Street. The maintenance of such improvements is proposed to consist of the continued maintenance and operation of such improvements, including the maintenance of pavement and appurtenant facilities that are located in and along such streets, including but not limited to, personnel, electrical energy, utilities, materials, contracting services, and other items necessary for the satisfactory maintenance of these improvements described as follows.

Pavement and Appurtenant Facilities

Pavement and appurtenant facilities, in public street and rights-of-way, within the boundary of said District.

Maintenance means the furnishing of services and materials for the ordinary and usual operation, maintenance, repair and servicing of the above described roadways and appurtenant improvements, including repair, slurry sealing, chip sealing, removal or replacement of all or part of any of the streets or appurtenant improvements, and the administration of all aspects of the maintenance and the District.



PART B – COST ESTIMATE

The estimated amount to be paid annually into the maintenance program fund for the streets as described in Part A of this Report is as follows:

In 2001 \$'s:

Slurry Seal @ 5 and 15 years:

5 years	\$0.16 / SF x	100,000 SF =	\$16,000
15 years	4% estimated inflation per yr =		\$24,000

Street Rehab @ 10 years:

10 years	\$1.50 / SF x	100,000 SF =	\$150,000
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Street Reconstruct @ 20 years:

20 years	\$5.00 / SF x	100,000 SF =	\$500,000
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Total est. 20 year Maintenance Strategy:	\$690,000
round up to:	\$700,000

Estimated annual cost for 2001 =	\$35,000
estimated cost per SF:	\$0.3500

Conversion to 2017 \$'s:

ENR Construction Cost Index Increase

June 2001 - 2017	69.40%
2017 cost per SF:	\$0.5929

Hawkins Street & Palm Drive Improvements SF =	66,680
Annual Cost for Fiscal Year 2017-18 =	\$39,535



PART C – ASSESSMENT ROLL

The total proposed assessment for Fiscal Year 2017-18 and the amount of the total proposed assessment apportioned to each lot or parcel within the District, as shown on the latest assessment roll at the Los Angeles County Assessor's Office, are shown below.

The description of each lot or parcel is part of the County assessment roll and this roll is, by reference, made part of this Report.

Asmt No.	Assessor's Parcel Number	Fiscal Year 2017-18 Maint. Asmt.
1	8005-015-037	\$8,464.44
2	8005-015-038	\$7,745.30
3	8005-015-039	\$3,175.85
4	8005-015-040	\$2,576.89
5	8005-015-041	\$2,442.08
6	8005-015-042	\$2,172.45
7	8005-015-043	\$1,692.89
8	8005-015-044	\$4,389.57
9	8005-015-045	\$6,876.32
10	8005-015-910	\$0.00
		\$39,535.79



PART D – METHOD OF ASSESSMENT

The assessments are apportioned according to the special benefits received by the parcels of land within the Assessment District in accordance with the apportionment of costs at the time of formation. The assessment is necessary to maintain the level of special benefit from the construction of the improvements funded by the District. The proportionate special benefit derived by each parcel is determined in relationship to the entirety of the maintenance cost of the improvements. No assessment has been apportioned on any parcel that exceeds the reasonable cost of the proportional special benefit conferred on that parcel.

Only special benefits may be assessed and any general benefits shall be separated from the special benefits for purposes of this Report. Based on the nature of the improvements to be funded herein, there are no general benefits.

Under this Report, the assessment for the District are apportioned in accordance with the foregoing and using the following criteria:

The net acreage of each parcel of land is determined by excluding acreage which will not have direct access to the improvements from Hawkins Street or Palm Drive, and by excluding acreage to be dedicated as roadway, road rights-of-way, or sidewalk easement. Special benefit is determined based on the net acreage of each parcel relative to the total net acreage (the "Benefit Percentage").

The total annual cost for Fiscal Year 2017-18, as shown in Part B of this Report, is apportioned on a percentage basis using the Benefit Percentages, as shown below:

Asmt No.	Assessor's Parcel Number	Net Acreage	Benefit Percentage	Fiscal Year 2017-18 Maint. Asmt.
1	8005-015-037	5.65	21.410%	\$8,464.44
2	8005-015-038	5.17	19.591%	\$7,745.30
3	8005-015-039	2.12	8.033%	\$3,175.85
4	8005-015-040	1.72	6.518%	\$2,576.89
5	8005-015-041	1.63	6.177%	\$2,442.08
6	8005-015-042	1.45	5.495%	\$2,172.45
7	8005-015-043	1.13	4.282%	\$1,692.89
8	8005-015-044	2.93	11.103%	\$4,389.57
9	8005-015-045	4.59	17.393%	\$6,876.32
10	8005-015-910	0.00	0.000%	\$0.00
		26.39	100.00%	\$39,535.79

Based on the preceding, Assessment No. 10 is not assessed as it's Benefit Percentage is zero percent.



PART E – ASSESSMENT DIAGRAM

A diagram showing the exterior boundaries of the District and the lines and dimensions of each lot or parcel of land within the District, entitled "Assessment Diagram, Heritage Springs Assessment District No. 2001-1", is on file in the office of the City Clerk of the City of Santa Fe Springs, and is incorporated herein by reference.

The lines and dimensions of each lot or parcel within the District are those lines and dimensions shown on the maps of the Assessor of the County of Los Angeles for Fiscal Year 2017-18. The Assessor's maps and records are incorporated by reference herein and made part of this Report.



RESOLUTION NO. 9551

**A RESOLUTION OF THE CITY COUNCIL OF
THE CITY OF SANTA FE SPRINGS, CALIFORNIA
APPROVING THE ENGINEER'S REPORT FOR ANNUAL LEVY
OF ASSESSMENTS FOR THE HERITAGE SPRINGS ASSESSMENT
DISTRICT 2001-1 FOR FISCAL YEAR 2017/2018**

WHEREAS, this Council has conducted proceedings under and pursuant to the Municipal Improvement Act of 1913, Division 12, California Streets and Highways Code (the "Act") and Resolution Ordering the Assessment District Formation No. 6642, adopted June 28, 2001 (the "Resolution of Formation"), to form the Heritage Springs Assessment District 2001-1 ("Assessment District"), to authorize the levy of special assessment upon the lands within the Assessment District, to acquire and construct public streets and other improvements, all as described therein; and

WHEREAS, the CITY COUNCIL of the CITY OF SANTA FE SPRINGS, CALIFORNIA, pursuant to the provisions of Division 12 of the Streets and Highways Code of the State of California, did, by previous Resolution, order the preparation of an Engineer's "Report" for the annual levy of assessments, consisting of plans and specifications, an estimate of the cost, a diagram of the district, and an assessment relating to what is now known and designated as

**CITY OF SANTA FE SPRINGS
Heritage Springs Assessment District 2001-1**

WHEREAS, there has now been presented to this City Council the "Report" as required by said Division 12 of the Streets and Highways Code and as previously directed by Resolution; and,

WHEREAS, this City Council has now carefully examined and reviewed the "Report" as presented, and is satisfied with each and all of the items and documents as set forth therein, and is satisfied that the assessments, on a preliminary basis, have been spread in accordance with the benefits received from the maintenance to be performed, as set forth in said "Report."

NOW, THEREFORE, IT IS HEREBY RESOLVED AS FOLLOWS:

SECTION 1. That the above recitals are true and correct.

SECTION 2. That the "Report" as presented, consisting of the following:

- A. Estimate of costs;
- B. Diagram of the District;
- C. Assessment of the estimated cost

Is hereby approved; and is ordered to be filed in the Office of the City Clerk as a permanent record and to remain open to public inspection.

SECTION 3. That the City Clerk shall certify to the passage and adoption of this Resolution, and the minutes of this meeting shall so reflect the presentation of the Engineer's "Report."

APPROVED and **ADOPTED** this 22nd day of June, 2017 by the following roll call vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

SS _____
WILLIAM K. ROUNDS, MAYOR

ATTEST:

SS _____
JANET MARTINEZ, CITY CLERK

RESOLUTION NO. 9552

**RESOLUTION OF THE CITY COUNCIL OF
THE CITY OF SANTA FE SPRINGS
DECLARING ITS INTENTION TO PROVIDE FOR AN ANNUAL LEVY AND
COLLECTION OF ASSESSMENTS FOR CERTAIN MAINTENANCE
IN AN EXISTING DISTRICT, PURSUANT TO
THE PROVISIONS OF DIVISION 12 OF THE
STREETS AND HIGHWAYS CODE OF THE STATE OF
CALIFORNIA, AND SETTING A TIME AND PLACE FOR
PUBLIC HEARING THEREON**

WHEREAS, this Council has conducted proceedings under and pursuant to the Municipal Improvement Act of 1913, Division 12, California Streets and Highways Code to form the Heritage Springs Assessment District 2001-1 ("Assessment District"), in what is known and designated as:

CITY OF SANTA FE SPRINGS
Heritage Springs Assessment District 2001-1

WHEREAS, at this time, this City Council is desirous to take proceedings to provide for the annual levy of assessments for the next ensuing fiscal year, to provide for the costs and expenses necessary for continual maintenance of improvements within said Assessment District; and,

WHEREAS, at this time there has been presented and approved by this City Council, the Engineer's "Report" as required by law, and this City Council is desirous of proceeding with the proceedings for said annual levy.

NOW, THEREFORE, IT IS HEREBY RESOLVED AS FOLLOWS:

SECTION 1. That the above recitals are true and correct.

PUBLIC INTEREST

SECTION 2. That the public interest and convenience requires, and it is the intention of this City Council, to undertake proceedings for the annual levy and collection of special assessments for the continual maintenance of certain improvements, all to serve and benefit said Assessment District as said area is shown and delineated on a map as previously approved by this City Council and on file in the Office of the City Clerk, open to public inspection, and herein so referenced and made a part hereof, and proposed changes thereto are set forth in the "Report" of the Engineer, incorporated herein as a part hereof.

REPORT

- SECTION 3. That the "Report" of the Engineer regarding the annual levy for said District, which "Report" is for maintenance for the Fiscal Year 2017/2018 is hereby approved and is directed to be filed in the Office of the City Clerk.
- SECTION 4. That the public interest and convenience requires, and it is the intention of this City Council to order the annual assessment levy for the Assessment District as set forth and described in said Engineer's "Report," and further it is determined to be in the best public interest and convenience to levy and collect annual assessments to pay the costs and expenses of said maintenance and improvement as estimated in said "Report."

DESCRIPTION OF MAINTENANCE

- SECTION 5. The assessments levied and collected shall be for the maintenance of certain improvements, as set forth in the Engineer's "Report," referenced and so incorporated herein.

COUNTY AUDITOR

- SECTION 6. The County Auditor shall enter on the County Assessment Roll the amount of the assessments, and shall collect said assessments at the time and in the same manner as County taxes are collected. After collection by the County, the net amount of the assessments, after the deduction of any compensation due to the County for collection, shall be paid to the Treasurer for purposes of paying for the costs and expenses of said Assessment District.

SPECIAL FUND

- SECTION 7. That all monies collected shall be deposited in a special fund known as

SPECIAL FUND
CITY OF SANTA FE SPRINGS
Heritage Springs Assessment District 2001-1

Payment shall be made out of said fund only for the purpose provided for in this Resolution, and in order to expedite the making of this maintenance and improvement, the City Council may transfer into said special fund, from any available source, such funds as it may deem necessary to expedite the proceedings. Any funds shall be repaid out of the proceeds of the assessments provided for in this Resolution.

BOUNDARIES OF THE DISTRICT

- SECTION 8. Said contemplated maintenance work is, in the opinion of this City Council, of direct benefit to the properties within the boundaries of the Assessment District, and this City Council makes the costs and expenses of said maintenance chargeable upon a district, which district said City Council declares to be the district benefited by said improvement and maintenance, and to be further assessed to pay the costs and expenses thereof. Said Assessment District, shall include each and every parcel of land within the boundaries of said Assessment District, as said Assessment District is shown on a map as approved by this City Council and on file in the Office of the City Clerk, and designated by the name of the Assessment District.

PUBLIC HEARING

- SECTION 9. NOTICE IS HEREBY GIVEN THAT THURSDAY, THE 13th DAY OF JULY, 2017 AT THE HOUR OF 6:00 O'CLOCK P.M., IN THE REGULAR MEETING OF THE CITY COUNCIL, BEING THE COUNCIL CHAMBERS, IS THE TIME AND PLACE FIXED BY THIS CITY COUNCIL FOR THE HEARING OF PROTESTS OR OBJECTIONS IN REFERENCE TO THE ANNUAL LEVY OF ASSESSMENTS, TO THE EXTENT OF THE MAINTENANCE, AND ANY OTHER MATTERS CONTAINED IN THIS RESOLUTION, ANY PERSONS WHO WISH TO OBJECT TO THE PROCEEDINGS FOR THE ANNUAL LEVY SHOULD FILE A WRITTEN PROTEST WITH THE CITY CLERK PRIOR TO THE TIME SET AND SCHEDULED FOR SAID PUBLIC HEARING.

NOTICE

- SECTION 10. That the City Clerk is hereby authorized and directed to publish a copy of this Resolution. Said publication shall be not less than ten (10) days before the date for said Public Hearing.

EFFECTIVE DATE

- SECTION 11. That this Resolution shall take effect immediately upon its adoption.

PROCEEDINGS INQUIRIES

SECTION 12. For any and all information relating to the proceedings, protest procedure, any documentation and/or information of a procedural or technical nature, your attention is directed to the below listed person at the local agency or department so designated:

Noe Negrete
City Engineer
CITY OF SANTA FE SPRINGS
11710 Telegraph Road
Santa Fe Springs, CA 90670
(562) 868-0511

APPROVED and **ADOPTED** this 22nd day of June, 2017 by the following roll call vote:

AYES:

NOES:

ABSENT:

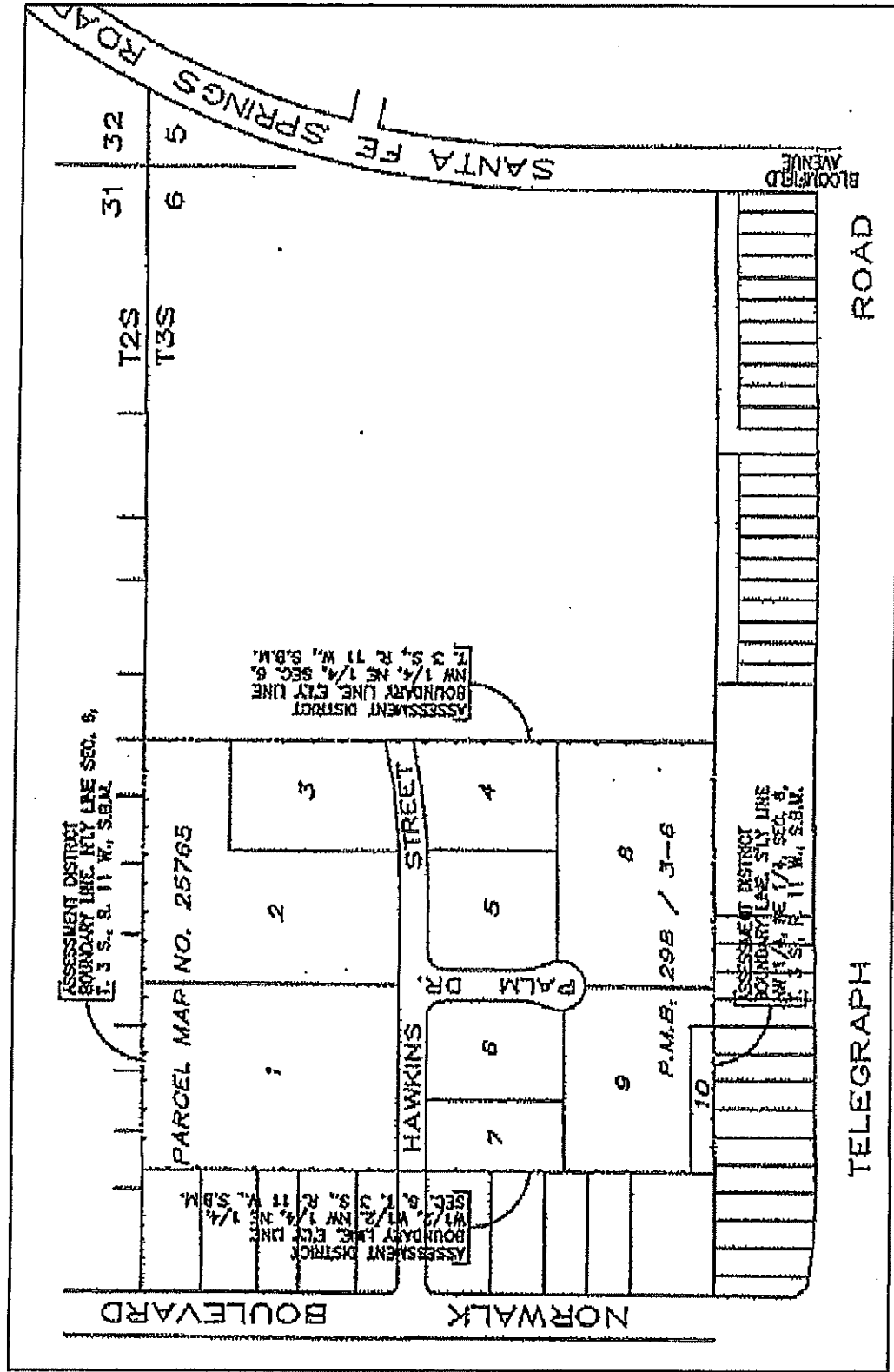
ABSTAIN:

SS _____
WILLIAM K. ROUNDS, MAYOR

ATTEST:

SS _____
JANET MARTINEZ, CITY CLERK

BOUNDARY MAP HERITAGE SPRINGS ASSESSMENT DISTRICT 2001-1





City of Santa Fe Springs

City Council Meeting

June 22, 2017

NEW BUSINESS

Resolution Nos. 9553 and 9554 – Approval of Engineer's Report (FY 2017/18) in Conjunction with Annual Levy of Assessments for Street Lighting District No. 1

RECOMMENDATION

That the City Council take the following actions:

- Adopt Resolution No. 9553, approving the Engineer's Report (FY 2017/18) in conjunction with the annual levy of assessments for Street Lighting District No. 1; and
- Adopt Resolution No. 9554, declaring the City of Santa Fe Springs' intention to provide for an annual levy and collection of assessments for Lighting District No. 1, and setting the public hearing for the Council meeting of July 13, 2017.

BACKGROUND

Santa Fe Springs Lighting District No. 1 (District) was formed May 26, 1982, pursuant to the provisions of the Landscaping and Lighting Act of 1972. A map of the District is shown on Page 16 of the Engineer's Report. The District does not include any residential properties and no residential properties, or any properties with a residential land code, are being assessed. The annual assessment rate for the District has not been increased since fiscal year 1992/1993, although the costs of providing the improvements that benefit the properties within the District continue to rise. In 2004, the City conducted an election to try to increase the annual assessment rate. However a majority protest existed and the proposed assessment increase was not imposed.

After the initial formation of the district, it is necessary for the City to annually update the Lighting District. This allows the City to continue levying annual assessments against the properties located within the Lighting District. The required documents to satisfy the legal requirements are outlined in Chapter 3 of the Landscaping and Lighting Act of 1972 as contained in the Streets and Highways Code.

The Council, at their meeting of March 23, 2017 approved Resolution No. 9538 ordering the preparation of plans, specifications, cost estimate, diagram, assessment, and report pursuant to the provisions of Division 15, Part 2 of the Streets and Highways Code of the State of California.

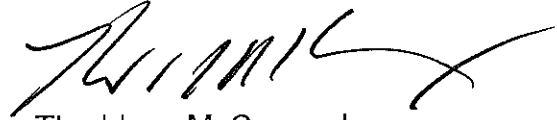
A copy of the Annual Engineer's Report for the City of Santa Fe Springs Lighting District No. 1 is attached for your review and approval. The Engineer's Report satisfies the legal requirements described previously. In summary, the Engineer's Report addresses compliance with the state law, describes method of apportionment and presents a proposed budget for FY 2017/18. As noted on Page

Report Submitted By:

Noe Negrete, Director
Public Works

Date of Report: June 15, 2017

15 of the Engineer's Report, the estimated total direct and administrative costs for providing street lights is \$718,700. The balance to levy is \$194,505, which takes into consideration a general fund contribution of \$314,517 to subsidize the District.



Thaddeus McCormack
City Manager

Attachments:

1. Engineer's Report
2. Resolution Nos. 9553 and 9554
3. Lighting District No. 1 Boundary Map



City of Santa Fe Springs

Lighting District No. 1

2017/18 ENGINEER'S ANNUAL LEVY REPORT

Intent Meeting: June 22, 2017

Public Hearing: July 13, 2017

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Suite 200
Temecula, CA 92590
T 951.587.3500 | 800.755.6864
F 951.587.3510

www.willdan.com/financial



ENGINEER'S REPORT AFFIDAVIT
Establishment of Annual Assessments for the:

Santa Fe Springs Lighting District No. 1

City of Santa Fe Springs
Los Angeles County, State of California

This Report identifies the parcels within the District, as they existed at the time of the passage of the Resolution of Intention. Reference is hereby made to the Los Angeles County Assessor's maps for a detailed description of the lines and dimensions of parcels within the District. The undersigned respectfully submits the enclosed Report as directed by the City Council.

Dated this _____ day of _____, 2017.

Willdan Financial Services
Assessment Engineer
On Behalf of the City of Santa Fe Springs

By: _____

Susana Medina, Project Manager
District Administration Services

By: _____

Richard Kopecky
R. C. E. #16742

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Overview

A. INTRODUCTION

The City of Santa Fe Springs (hereafter referred to as "City") annually levies and collects special assessments in order to provide and maintain the improvements within the Santa Fe Springs Lighting District No. 1 (hereafter referred to as "District"). The District was formed on May 26, 1982 and is annually levied pursuant to the *Landscaping and Lighting Act of 1972, Part 2 of Division 15 of the California Streets and Highways Code* (hereafter referred to as the "1972 Act"). The annual assessments levied on parcels within the District are based on the special benefits received, and partially fund the costs associated with the installation, maintenance, operation and administration of the public streetlight system within the District.

This Engineer's Report (hereafter referred to as the "Report") has been prepared pursuant to the order of the City Council as required by the provisions *Chapter 3, of the 1972 Act (commencing with Section 22620)*, which outlines the procedures for the annual levy of assessments. This Report provides an update of the District including the proposed expenses and revenues, any substantial change in the improvements or the District, and the proposed assessments to be levied on the County tax roll for Fiscal Year 2017/2018 and has been prepared pursuant to the requirements of *Article 4, Chapter 1, of the 1972 Act (inclusive of Sections 22565 through 22574)*. In addition to the provisions of the 1972 Act, it has been determined that the existing annual assessments for this District have been previously levied in accordance with the provisions of the *California Constitution Article XIID* which was enacted as a result of the passage of Proposition 218, approved by the California voters in November 1996.

The annual assessment rate for the District has not been increased since Fiscal Year 1992/1993, although the costs of providing the improvements that benefit the properties within the District have continued to rise. Initially, the rising costs to provide streetlights within the District were offset by the District fund balance and an assessment increase was not necessary. Eventually the District fund balance was exhausted and the City began making increasingly greater contributions each year to the District expenses, not only to cover the general benefit portion of the costs, but also to subsidize the special benefit costs not recovered by the annual assessments.

In 2004, the City performed an extensive review of the District including the boundaries of the District, the properties therein, the special benefit properties received from the improvements, the general benefit the improvements may provide to properties outside the District or to the public at large, as well as the current and long-term costs and expenses associated with providing the improvements. Based on this review and evaluation, the City Council determined that it was necessary and in the best interest of the property owners within the District to conduct a property owner protest ballot proceeding for an increase to the annual assessments for Fiscal Year 2004/2005 in accordance with the

provisions of the *California Constitution Article XIID*. Based on the ballot tabulation conducted on July 8, 2004, a majority protest existed, and the proposed assessment increase was not imposed.

The word “parcel”, for the purposes of this Report, refers to an individual property assigned its own Assessment Parcel Number by the Los Angeles County Assessor’s Office. The Los Angeles County Auditor/Controller uses Assessment Parcel Numbers and specific Fund Numbers to identify, on the tax roll, properties assessed for special district benefit assessments.

At a noticed annual Public Hearing the City Council will consider public testimony regarding the District. The City Council will review the Engineer’s Annual Report and may order amendments to the Report or confirm the Report as submitted. Following final approval of the Report and confirmation of the assessments, the Council will order the levy and collection of assessments for Fiscal Year 2017/18 pursuant to the Act. In such case, the assessment information will be submitted to the County Auditor/Controller for inclusion on the property tax roll for each parcel in Fiscal Year 2017/18. If any parcel submitted for collection is identified by the County Auditor/Controller to be an invalid parcel number for the current Fiscal Year, a corrected parcel number and/or new parcel numbers will be identified and resubmitted to the County. The assessment amount to be levied and collected for the resubmitted parcel or parcels shall be based on the method of apportionment and assessment rate approved by the City Council.

B. COMPLIANCE WITH THE CURRENT LEGISLATION

As a result of the passage of Proposition 218 in November 1996, *Articles XIIC and XIID* were added to the California Constitution. *Article XIID* specifically addressed both the substantive and procedural requirements to be followed for assessments. The procedural and approval process for assessments outlined in this article apply to assessment districts, with the exception of those existing assessments that met one or more of the exemptions set forth in *Section 5* of the Article. Specifically as it relates to Lighting District No. 1, the exemption provision set forth in *Section 5(a)* of *Article XIID* states:

“...assessments existing on the effective date of this Article shall be exempt from the procedures and approval process set forth in Section 4 [if they were] imposed exclusively to finance the capital costs or maintenance and operation expenses for sidewalks, streets, sewers, water, flood control, drainage systems or vector control.”

The District’s streetlight assessments were established in Fiscal Year 1982/1983 and have not been increased since Fiscal Year 1992/1993. These assessments have funded improvements that are classified as street improvements as defined herein based on the definitions provided by the Office of the Controller for the State of California in the “Guidelines Relating to Gas Tax Expenditures” published by the

Division of Local Government Fiscal Affairs. The state's gas tax program is administered in city agencies, but audited by the Office of the State Controller. The proceeds of the gas tax are statutorily limited to expenditures for streets and roads. Because the funds are restricted to street and road expenditures, the State Controller has developed the "Street Purpose Definitions and Guidelines" based on the "Manual of Uniform Highway Accounting and Financial Management Procedures" developed by the American Association of State Highway Officials. Street improvement, as it relates to this District, is defined as the construction, operation, or maintenance of facilities within the right of way used for street or road purposes including but not limited to the following:

- ◇ Installation or expansion of the streetlight system including replacement of old equipment with superior equipment, installation of traffic signals at intersections and railroad crossings, replacement of equipment as required for relocations for street purposes, and purchase and installation of traffic signal control equipment.
- ◇ Servicing lighting systems and street or road traffic control devices including, repainting and repairing traffic signals and lighting standards; and furnishing of power for street and road lighting and traffic control devices.

Therefore, the existing District assessments (assessment rates and method of apportionment) approved and levied prior to the passage of Proposition 218, are exempt from both the substantive and procedural approval process defined by *Article XIID, Section 4*, until such time the assessments are increased.

W. Description of the District and Services

A. BOUNDARIES OF THE DISTRICT

The boundary of the District is completely within the city limits of the City of Santa Fe Springs and is shown on the Assessment Diagram, which is on file in the office of the City Clerk at the City Hall of Santa Fe Springs, a depiction of which is shown in Exhibit A of this Report. The parcels of real property included within the District are identified by land use categories ("Use Codes"). A listing of the Use Codes that may be applicable to parcels within this District and typically utilized by the Los Angeles County Assessor's Office for identification of property land uses is provided in the Method of Apportionment section of this Report. Excluded from assessments are utility easements, rights-of-way, common areas, public schools, public streets, residential properties, and other public properties. The parcels within the District are described in detail on the assessor parcel maps on file in the Los Angeles County Assessor's Office, which by reference are made a part of this Report.

B. IMPROVEMENTS AUTHORIZED BY THE 1972 ACT

As applicable or may be applicable to this proposed District, the 1972 Act defines improvements to mean one or any combination of the following:

- The installation or construction of public lighting facilities.
- The installation or construction of any facilities which are appurtenant to any of the foregoing or which are necessary or convenient for the maintenance or servicing thereof, including, but not limited to, grading, clearing, removal of debris, the installation or construction of curbs, gutters, walls, sidewalks, or paving, or water, irrigation, drainage, or electrical facilities.
- The maintenance or servicing, or both, of any of the foregoing.
- The acquisition of any existing improvement otherwise authorized pursuant to this section.

Incidental expenses associated with the improvements including, but not limited to:

- The cost of preparation of the report, including plans, specifications, estimates, diagram, and assessment;
- The costs of printing, advertising, and the publishing, posting and mailing of notices;
- Compensation payable to the County for collection of assessments;
- Compensation of any engineer or attorney employed to render services;
- Any other expenses incidental to the construction, installation, or maintenance and servicing of the improvements;
- Any expenses incidental to the issuance of bonds or notes pursuant to Section 22662.5.
- Costs associated with any elections held for the approval of a new or increased assessment.

The 1972 Act defines "Maintain" or "maintenance" to mean furnishing of services and materials for the ordinary and usual maintenance, operation, and servicing of any improvement, including:

- Repair, removal, or replacement of all or any part of any improvement.
- Providing for the life, growth, health, and beauty of landscaping, including cultivation, irrigation, trimming, spraying, fertilizing, or treating for disease or injury.
- The removal of trimmings, rubbish, debris, and other solid waste.
- The cleaning, sandblasting, and painting of walls and other improvements to remove or cover graffiti.

C. IMPROVEMENTS, PLANS AND SPECIFICATIONS

The annual special benefit assessments levied on parcels within the District provide funding for a portion of the annual expenses related to the installation, maintenance, operation and administration of the streetlight system within the District boundaries. The costs associated with the improvements are equitably spread among benefiting parcels in proportion to their special benefits. Streetlight improvements within the City of Santa Fe Springs but not within the District boundaries and that portion of the District improvements determined to be general benefit are funded by other revenue sources. Only improvements, services and

incidental expenses permitted under provisions of the 1972 Act that are necessary for the ongoing maintenance, operation and administration of the District streetlight system that provides special benefits to the parcels within the District are included in the annual assessment.

Maintenance of the streetlight system within the District may include, but is not limited to removal, repair, replacement, modification, or relocation of the light standards, poles, bulbs, fixtures, and appurtenances. Servicing of the Southern California Edison Company-owned streetlights is furnished by the Southern California Edison Company or by its successors or assignees. The rates charged by the Edison Company include both the power and maintenance costs and are regulated and authorized by the Public Utilities Commission of the State of California. The City of Santa Fe Springs Public Works Department provides for the servicing of the City-owned streetlights. The energy rates charged for City-owned streetlights is also regulated and authorized by the Public Utilities Commission.

Approximately eleven percent (11%) of the streetlights within the District are owned and maintained by Southern California Edison Company. The remaining eighty-nine percent (89%) of the streetlights are owned by the City of Santa Fe Springs and are maintained by the City. The following table provides a summary of the streetlight inventory within the District for Fiscal Year 2017/18:

Table 1 - Street Light Inventory for Fiscal Year 2017/2018

Account No/ Description	Number of Lights Per Type											
	Series 70			Series 100			Series 150			Series 200		
	Watt	Watt	Watt	Watt	Watt	Watt	Watt	Watt	Watt	Watt	Watt	Watt
3-008-8387-95 LS-1 (Edison-owned)	-	2	-	-	-	-	-	-	-	-	2	200
3-008-8182-13 LS-1 (Edison-owned)	-	-	-	-	-	3	-	-	1	-	4	850
3-008-8182-03 LS-1 (Edison-owned)	-	12	-	-	22	-	16	-	-	-	50	7,700
3-008-8182-02 LS-1 (Edison-owned)	-	6	-	-	-	-	-	-	-	-	6	600
3-008-8181-99 LS-1 (Edison-owned)	1	163	-	-	1	-	1	-	-	-	171	18,720
3-008-8181-96 LS-1 (Edison-owned)	5	127	-	-	-	6	-	-	1	-	139	14,500
LS - 1 TOTAL	6	310	-	23	-	26	-	2	-	5	372	42,570
3-008-9238-08 LS-2 (City-owned)	-	87	158	13	-	69	1	-	-	-	328	40,450
3-008-8181-98 LS-2 (City-owned)	-	-	-	126	2	85	-	37	3	-	253	46,380
3-008-8182-00 LS-2 (City-owned)	-	15	90	25	-	96	1	6	-	-	233	35,150
3-008-8182-01 LS-2 (City-owned)	-	14	-	160	-	119	-	22	9	-	324	57,490
3-008-8182-11 LS-2 (City-owned)	-	29	-	334	-	136	46	128	-	17	690	128,200
3-008-8182-14 LS-2 (City-owned)	-	12	-	279	-	356	-	88	4	15	754	143,490
3-008-8182-16 LS-2 (City-owned)	-	-	-	148	21	118	80	11	-	-	378	67,700
LS - 2 TOTAL	-	157	248	1,085	23	979	128	292	16	32	2,960	518,860
GRAND TOTAL	6	467	248	1,108	23	1,005	128	294	16	37	3,332	561,430

The proposed improvements for Fiscal Year 2017/18 are substantially unchanged from the previous Fiscal Year. Streetlight Inventory Maps showing the location of the various streetlights within the District are on file in the office of the City Clerk at the City Hall of the City of Santa Fe Springs and by reference are made part of this Report.

W. Method of Apportionment

A. GENERAL

The 1972 Act permits the establishment of assessment districts by agencies for the purpose of providing certain public improvements which include the construction, maintenance and servicing of streetlights and appurtenant facilities. The 1972 Act further requires that the cost of these improvements be levied according to benefit:

"The net amount to be assessed upon lands within an assessment district may be apportioned by any formula or method which fairly distributes the net amount among all assessable lots or parcels in proportion to the estimated benefits to be received by each such lot or parcel from the improvements."

The formula used for calculating assessments in this District reflects the composition of the parcels, and the improvements and services provided, to fairly apportion the costs based on estimated benefit to each parcel.

In addition, pursuant to *Article XIID, Section 4*, a parcel's assessment may not exceed the reasonable cost of the proportional special benefit conferred on that parcel, only special benefits may be assessed and the costs associated with general benefit must separate from the special benefits. Therefore, in compliance with these requirements only the District costs that have been identified as "Special Benefit" are assessed, the costs of any improvements considered to be "General Benefit" have been eliminated from the net amount to be assessed.

B. BENEFIT ANALYSIS

The District's improvements, the associated costs and proposed assessments described in this Report, have been carefully reviewed and have been identified and allocated based on a benefit calculation that proportionally allocates the net cost to the benefiting properties pursuant to the provisions of *Article XIID* and the 1972 Act. The location and extent of the various streetlight improvements within the District and the associated costs have been identified as either "General Benefits" (not assessed) or "Special Benefits".

Special Benefits

The method of apportionment (method of assessment) established for this District utilizes commonly accepted engineering practices and is based on the premise that each of the assessed parcels within the District receives special benefit from the improvements maintained and financed by District assessments. The desirability and security of properties within the District is enhanced by the presence of streetlights in close proximity to those properties.

The primary benefits of streetlights are for the convenience, safety and protection of people as well as the security and protection of property, property improvements

and goods. Specifically the benefits of adequate and well-maintained streetlights that benefit both the properties and property owners within the District include:

- ◇ Improves ingress and egress to property, provides customers, suppliers and employees an enhanced environment in which to access the properties.
- ◇ Enhanced deterrence of crime and the aid to police protection and security activities.
- ◇ Reduced vulnerability to criminal assault of employees, patrons and owners at night.
- ◇ The promotion of increased business activities during nighttime hours.
- ◇ Increased nighttime safety on roads and highways.
- ◇ Reduced vandalism and other criminal acts and damage to improvements or personal property.
- ◇ Improved traffic circulation and reduced nighttime accidents and personal property loss.
- ◇ Reduction of dumping, graffiti and loitering typically associated with poorly lighted areas.
- ◇ Enhances desirability of properties and the ability to conduct or expand business opportunities through association with an area that has sufficient streetlights.

The intensity or degree of illumination provided within the District can enhance these benefits and is a significant factor in determining the benefits properties receive from streetlights improvements. The number and intensity of the streetlights provided in this District are significantly greater than the residential areas of the City and are generally more extensive than the streetlights provided in similar commercial and industrial areas of other cities. For these reasons, it has been determined that the streetlight improvements provided by the District are a special benefit to the properties within the District.

General Benefit

Although the improvements clearly provide special benefits to properties within the District, it is recognized that some of these facilities by the nature of their location may also benefit properties outside the District that are not assessed and to a lesser extent may provide some benefit to the public at large. Therefore, a portion of the cost to operate, maintain, and service the streetlight improvements within the District are identified as general benefit and not included in the annual assessments as special benefit. In a detailed evaluation of the entire streetlight system within the City of Santa Fe Springs it was determined that, over eighty percent (80%) of the cost to maintain and service the City's streetlights is attributable to the streetlights within this District. The remaining twenty percent (20%) of the City's annual costs for streetlights is associated primarily with the residential areas of the City and these streetlights are currently funded by other revenues sources. Approximately seven percent (7%) of the streetlight improvement costs within the District itself are attributable to streetlight facilities

that benefit properties outside the District as well as properties within the District. Based on this evaluation, it has been determined that twenty-seven percent (27%) of the District's annual costs budgeted for Fiscal Year 2017/2018 is considered general benefit. This is a quantifiable percentage based on the current City streetlight system and expenditures. Although not as quantifiable, it is also reasonable to assume that the District improvements also provide some general benefit to the public at large and a reasonable percentage of this benefit should not exceed three percent (3%) for a total general benefit of thirty percent (30%) of the District's costs. The cost of providing the District improvements that are considered general benefit, benefits conferred on real property or to the public at large, shall not be included in the annual assessments and shall be funded by other revenue sources available to the City. These funds are shown in the annual budget of this Report as a General Fund contribution and the amount to be levied as assessments for the District represent only the special benefit portion of the District expenses.

C. ASSESSMENT METHODOLOGY

Pursuant to the Act, the costs of the District may be apportioned by any formula or method that fairly distributes the net amount to be assessed among assessable parcels in proportion to the estimated benefits to be received by each such parcel from the improvements. The apportionment of costs used should reflect the composition of the parcels and the improvements and services provided based on each parcel's estimated special benefit.

Benefit Assessment Unit

To assess benefits equitably, it is necessary to relate the different types of parcel improvements to each other. A value of one unit has been assigned as the basic benefit assessment unit. The benefit assessment unit consists of three classifications of benefit: people, security and intensity. The Benefit Factor for each property type is equal to the aggregate amount of benefit assessment units that a parcel receives.

The following table summarizes the various property types within the District by use code and the applicable benefit assessment units that are applied to those properties.

Table 2 - Use Codes and Benefit Assessment Units

Use Code	Description	People	Security	Intensity	Benefit Factor
00-09*	Residential	-	-	-	0.00
10	Vacant Commercial Land	0.00	0.50	0.50	1.00
11	Stores	2.00	1.00	1.00	4.00
12	Store Combinations	2.00	1.00	1.00	4.00
13	Department Stores	4.00	2.00	2.00	8.00
15**	Neighborhood Shopping Center	**	**	**	8.00
16**	Regional Shopping Center	**	**	**	8.00
17	Office Building	1.00	1.00	1.00	3.00
18	Hotels and Motels	4.00	2.00	2.00	8.00
19	Professional Buildings	1.00	1.00	1.00	3.00
21	Restaurants	3.00	1.00	1.00	5.00
23	Banks, Savings and Loans	1.00	1.00	1.00	3.00
24	Service Shops	1.00	1.00	1.00	3.00
25	Service Stations	2.00	1.00	1.00	4.00
26	Auto/Recreation Equip Sales	2.00	2.00	2.00	6.00
27	Parking Lots (Commercial)	1.00	1.00	0.50	2.50
28	Animal Kennel	1.00	0.50	0.50	2.00
29	Nurseries or Greenhouses	1.00	0.50	0.50	2.00
30	Vacant Industrial Land	0.00	0.50	0.50	1.00
31	Light Manufacturing	3.00	1.00	2.00	6.00
32**	Heavy Manufacturing	**	**	**	8.00
33	Warehousing	2.00	1.00	2.00	5.00
34	Food Processing Plants	3.00	1.00	2.00	6.00
36	Lumber Yards	1.00	1.00	1.00	3.00
37**	Mineral Processing	**	**	**	5.00
38	Parking Lots (Industrial)	1.00	0.50	0.50	2.00
39**	Open Storage	**	**	**	8.00
44	Truck Crops	0.50	0.25	0.25	1.00
47	Dairies	0.50	0.25	0.25	1.00
61	Theaters	3.00	1.00	1.00	5.00
63	Bowling Alleys	4.00	2.00	2.00	8.00
64	Club, Lodge Hall, Fraternal Organization	2.00	1.00	1.00	4.00
71	Churches	1.00	0.50	0.50	2.00
72	Schools (Private)	1.00	0.50	0.50	2.00
77	Cemeteries, Mausoleums, Mortuaries	0.50	0.25	0.25	1.00
83	Petroleum and Gas	1.00	0.50	0.50	2.00
89	Dump Sites	0.50	0.25	0.25	1.00
99**	Distribution Centers	**	**	**	8.00

* Residential Properties are not assessed

** Minimum Assigned Benefit Factor. See Special Use Codes Section for details.

Special Use Codes

The following Use Codes have been listed separately because of their unique operations inherent to their classifications, the size of real property, and the high use as a result of their specific operation. The total benefit assessment unit assigned to each parcel is calculated based on the parcel's acreage and a specified weighting factor applied to that use code designation (formula). However, the minimum benefit units assigned to a parcel shall not be less than the Benefit Factor shown on the "Use Code and Benefit Assessment Units" table shown on the previous page unless the parcel fronts on a street without lights. In this case, the Benefit Factor may be reduced below this minimum. (Refer to the table for "Streets Without Lights").

Use Code 99 is a special use code not found in the Los Angeles County Assessor's listing and is assigned to distribution centers for this District only. Parcels of land in Use Code 99 typically run continual 24-hour operations and receive substantial benefit from the District's streetlight improvements.

Table 3 – Special Use Code

Use Code	Description	Formula
15	Neighborhood Shopping Center	6.32 benefit units / acre
16	Regional Shopping Center	8.71 benefit units / acre
32	Heavy Manufacturing	5.45 benefit units / acre
37	Mineral Processing	3.27 benefit units / acre
39	Open Storage	6.53 benefit units / acre
99	Distribution Center	9.80 benefit units / acre

Streets Without Lights

The total Benefit Assessment Units of any parcel identified on the "Use Code and Benefit Assessment Units" table shown on the previous page that front on a street without District streetlights shall be assessed for people-related benefits only. It has been determined that these parcels do not receive the same special benefits from security or intensity that other parcels in the District receive.

The Special Use Code parcels on streets with no District streetlight facilities are reduced by 1/3 to account for their reduced special benefits from security or intensity. The calculation of this reduced benefit is outlined in the following table for Special Use Codes:

Table 4 – Special Use Code (Streets Without Lights)

Use Code	Description	Formula
15	Neighborhood Shopping Center	2.11 benefit units / acre
16	Regional Shopping Center	2.90 benefit units / acre
32	Heavy Manufacturing	1.82 benefit units / acre
37	Mineral Processing	1.09 benefit units / acre
39	Open Storage	2.18 benefit units / acre
99	Distribution Center	3.27 benefit units / acre

D. BENEFIT FORMULA

The benefit formula applied to each parcel is based on the preceding Benefit Assessment Unit tables. Each parcel's Benefit Factor is equal to the aggregate amount of benefit assessment units that a parcel receives and correlates to the parcel's special benefit received as compared to other parcels in the District.

The following formulas are used to calculate each property's assessment:

$$\text{People Benefit Assessment Unit} + \text{Security Benefit Assessment Unit} + \text{Intensity Benefit Assessment Unit} = \text{Parcel's Benefit Factor}$$

$$\text{Total Balance to Levy / Aggregate of Benefit Factors} = \text{Levy per Benefit Factor (Assessment Rate)}$$

$$\text{Assessment Rate} \times \text{Parcel's Benefit Factor} = \text{Parcel Levy Amount}$$

The following table provides a summary, by Use Code, of the benefit units, proposed charge, and total count of assessable parcels in the District.

Table 5 – Summary of Assessable Parcels (by Use Code)

Use Code	Description	Benefit Units	Applied Rate	Proposed Charge	Parcel Assessed
10	Vacant Commercial Land	20.00	\$17.05	\$341.00	20
11	Stores	76.00	\$17.05	\$1,295.80	19
12	Store Combinations	24.00	\$17.05	\$409.20	6
15**	Neighborhood Shopping Center	619.98	\$17.05	\$10,570.59	36
16**	Regional Shopping Center	94.10	\$17.05	\$1,604.43	6
17	Office Building	120.00	\$17.05	\$2,046.00	40
18	Hotels and Motels	24.00	\$17.05	\$409.20	3
19	Professional Buildings	15.00	\$17.05	\$255.75	5
21	Restaurants	135.00	\$17.05	\$2,301.75	27
23	Banks, Savings and loans	15.00	\$17.05	\$255.75	5
24	Service Shops	3.00	\$17.05	\$51.15	1
25	Service Stations	40.00	\$17.05	\$682.00	10
26	Auto/Recreation Equip Sales	186.00	\$17.05	\$3,171.30	31
27	Parking Lots (Commercial)	77.50	\$17.05	\$1,321.22	31
30	Vacant Industrial Land	168.00	\$17.05	\$2,864.40	168
31	Light Manufacturing	3,792.00	\$17.04	\$64,602.45	632
32**	Heavy Manufacturing	733.13	\$16.70	\$12,242.03	38
33	Warehousing	3,555.00	\$17.02	\$60,510.45	711
34	Food Processing Plants	78.00	\$17.05	\$1,329.90	13
36	Lumber Yards	9.00	\$17.05	\$153.45	3
37**	Mineral Processing	377.33	\$16.82	\$6,348.14	23
38	Parking Lots (Industrial)	58.00	\$17.05	\$988.90	29
39**	Open Storage	292.01	\$17.05	\$4,978.77	14
47	Dairies	2.00	\$17.05	\$34.10	2
71	Churches	2.00	\$17.05	\$34.10	1
72	Schools (Private)	8.00	\$17.05	\$136.40	4
83	Petroleum and Gas	2.00	\$17.05	\$34.10	1
89	Dump Sites	7.00	\$17.05	\$119.35	7
99**	Distribution Centers	861.02	\$17.05	\$14,680.34	2
*Total		11,437.07		\$194,505.16	1,901

* Total parcel count will vary as parcels are submitted under five SBE numbers.

** See Special Use Codes Section.

W. District Budget

Table 6 – District Budget FY 2017/18

LIGHTING BUDGET (FY 2017/18)	District Budget
Energy Costs	\$381,000
Maintenance and Labor Costs	191,800
Supplies, Materials and Equipment	25,500
Contractual Services	16,000
Overhead	95,900
Construction and Rehabilitation	0
Direct Costs (Subtotal)	\$710,200
Miscellaneous/Special Administration Expenses	8,500
Administration Costs (Subtotal)	\$8,500
Total Direct and Admin. Costs	\$718,700
Reserve Fund: Collection/(Transfer)	0
General Benefit Contribution	(209,678)
General Fund Contribution * (Not General Benefit)	(314,517)
Balance to Levy	\$194,505
Total Parcels Levied	1,901
Total Benefit Units	11,437.07
Proposed Levy per Benefit Unit	\$17.05
Current Maximum Assessment Rate	\$17.05

* The City will continue to attempt to identify ways to decrease costs in order to reduce the General Fund Contribution required.

EXHIBIT A – DISTRICT ASSESSMENT DIAGRAM

An Assessment District Diagram has been prepared for the District in the format required by the 1972 Act and is on file in the Office of the City Clerk at the City Hall of Santa Fe Springs and is made part of this Report. The Assessment Diagram is available for inspection at the Office of the City Clerk during normal business hours.

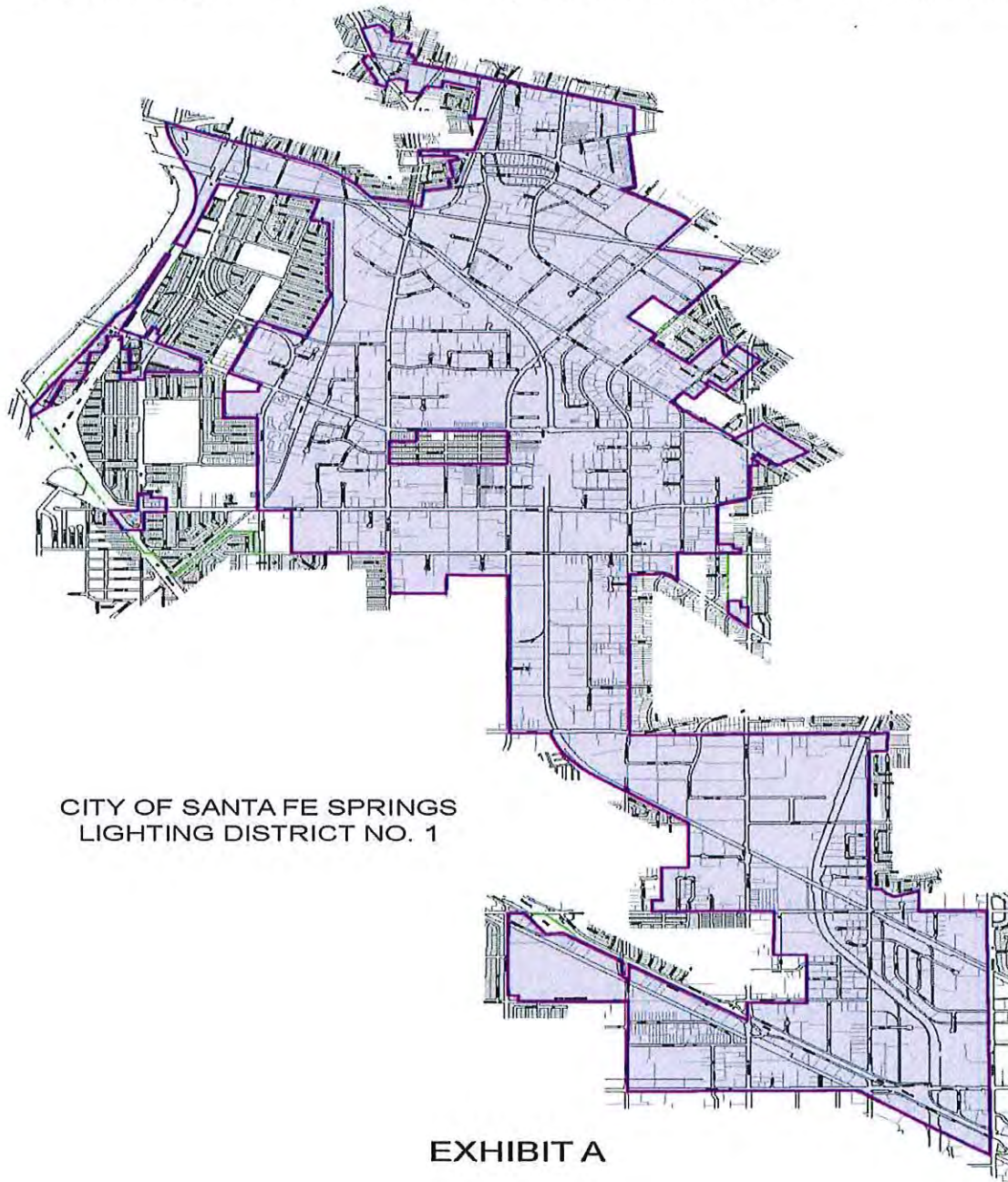


EXHIBIT B – 2017/18 ASSESSMENT COLLECTION ROLL

Parcel identification for each lot or parcel within the District shall be the parcel as shown on the Los Angeles County Assessor's map for the year in which this Report is prepared.

The land use classification for each parcel has been based on the Los Angeles County Assessor's Roll. A listing of parcels assessed within this District, along with the proposed assessment amounts, has been submitted to the City Clerk and by reference is made part of this Report.

Approval of the Annual Engineer's Report (as submitted or as modified) confirms the method of apportionment and the assessment rate to be levied against each eligible parcel and thereby constitutes the approved levy and collection of assessments for Fiscal Year 2017/18. The listing of parcels and the amount of assessment to be levied shall be submitted to the County Auditor/Controller and included on the property tax roll for each parcel in Fiscal Year 2017/18.

If any parcel submitted for collection is identified by the County Auditor/Controller to be an invalid parcel number for the current Fiscal Year, a corrected parcel number and/or new parcel numbers will be identified and resubmitted to the County Auditor/Controller. The assessment amount to be levied and collected for the resubmitted parcel or parcels shall be based on the method of apportionment and assessment rate approved in this Report. Therefore, if a single parcel has changed to multiple parcels, the assessment amount applied to each of the new parcels shall be recalculated and applied according to the approved method of apportionment and assessment rate rather than a proportionate share of the original assessment.

City of Santa Fe Springs
Lighting District No. 1
Fiscal Year 2017/18
Preliminary Roll

ASSESSOR'S PARCEL NUMBER	SITUS ADDRESS	LOT SQ FT	COUNTY ACREAGE	PEOPLE	INTENSITY	SECURITY	BENEFIT UNITS	ESTIMATED CHARGE
7001-012-029	14100 ALONDRA BLVD	44,866.8	1.03	3.0	2.0	1.0	6.0	\$102.30
7001-012-030	14050 FREEWAY DR	32,582.88	0.75	3.0	2.0	1.0	6.0	102.30
7001-012-031	14111 FREEWAY DR	0.0	2.18	1.0	1.0	1.0	3.0	51.15
7001-012-039	14120 ALONDRA BLVD	121,528.04	2.79	2.0	2.0	1.0	5.0	85.25
7001-012-040	14114 ALONDRA BLVD	40,258.15	0.92	3.0	2.0	1.0	6.0	102.30
7001-012-043	15905 VALLEY VIEW AVE	15,829.70	0.36	2.0	1.0	1.0	4.0	68.20
7001-012-044	16005 VALLEY VIEW AVE	51,836.40	1.19	2.0	2.0	1.0	5.0	85.25
7001-012-045	16021 VALLEY VIEW AVE	91,476.00	2.10	3.0	2.0	1.0	6.0	102.30
7003-001-005	13910 FIRESTONE BLVD	52,707.60	1.21	3.0	2.0	1.0	6.0	102.30
7003-001-013	14000 FIRESTONE BLVD	127,190.84	2.92	2.0	2.0	2.0	6.0	102.30
7003-001-014	13940 FIRESTONE BLVD	0.00	1.71	2.0	2.0	2.0	6.0	102.30
7003-001-020	13846 FIRESTONE BLVD	52,272.00	1.20	0.0	0.0	0.0	5.0	85.25
7003-001-021	13846 FIRESTONE BLVD	90,169.20	2.07	3.0	2.0	1.0	6.0	102.30
7005-001-008	13124 FIRESTONE BLVD	0.00	1.00	2.0	2.0	2.0	6.0	102.30
7005-001-017	13100 FIRESTONE BLVD	77,096.84	1.77	2.0	2.0	1.0	5.0	34.10
7005-001-019	13060 FIRESTONE BLVD	53,138.84	1.22	3.0	2.0	1.0	6.0	51.15
7005-001-038	14932 SHOEMAKER AVE	176,853.60	4.06	2.0	2.0	1.0	5.0	85.25
7005-001-040	13146 FIRESTONE BLVD	180,774.00	4.15	0.0	0.0	0.0	22.59675	385.27
7005-001-041	13000 FIRESTONE BLVD	47,898.58	1.10	0.0	0.0	0.0	6.0	102.30
7005-001-042	13030 FIRESTONE BLVD	43,612.27	1.00	0.0	0.0	0.0	6.0	102.30
7005-001-043	13048 FIRESTONE BLVD	44,727.41	1.03	0.0	0.0	0.0	6.0	102.30
7005-001-045	14912 SHOEMAKER AVE	9,069.19	0.21	0.0	0.0	0.0	6.0	102.30
7005-001-046	14920 SHOEMAKER AVE	8,219.77	0.19	0.0	0.0	0.0	6.0	102.30
7005-001-047	NO SITUS AVAILABLE	8,123.94	0.19	0.0	0.0	0.0	6.0	102.30
7005-001-048	14938 SHOEMAKER AVE	8,123.94	0.19	0.0	0.0	0.0	6.0	102.30
7005-002-042	15050 SHOEMAKER AVE	332,362.80	7.63	2.0	2.0	1.0	5.0	85.25
7005-002-052	13201 ARCTIC CIR	62,264.66	1.43	2.0	2.0	1.0	5.0	85.25
7005-002-053	13221 ARCTIC CIR	36,342.11	0.83	2.0	2.0	1.0	5.0	85.25
7005-002-054	13137 ARCTIC CIR	38,101.93	0.87	2.0	2.0	1.0	5.0	85.25
7005-002-055	13121 ARCTIC CIR	19,079.28	0.44	2.0	2.0	1.0	5.0	85.25
7005-002-056	13021 ARCTIC CIRCLE	65,775.60	1.51	2.0	2.0	1.0	5.0	85.25
7005-002-057	13033 ARCTIC CIRCLE	54,450.00	1.25	2.0	2.0	1.0	5.0	85.25
7005-002-058	13071 ARCTIC CIRCLE	49,658.40	1.14	2.0	2.0	1.0	5.0	85.25
7005-002-059	13109 ARCTIC CIR	42,009.26	0.96	2.0	2.0	1.0	5.0	85.25
7005-003-022	15417 CORNET ST	26,571.60	0.61	3.0	2.0	1.0	6.0	102.30
7005-003-032	15315 CORNET ST	29,180.84	0.67	3.0	2.0	1.0	6.0	102.30
7005-003-034	15505 CORNET ST	37,461.60	0.86	3.0	2.0	1.0	6.0	102.30
7005-003-039	13253 ALONDRA BLVD	0.00	0.49	2.0	2.0	2.0	6.0	102.30
7005-003-048	15325 CORNET ST	22,215.60	0.51	3.0	2.0	1.0	6.0	102.30
7005-003-049	15405 CORNET ST	28,749.60	0.66	3.0	2.0	1.0	6.0	102.30
7005-003-061	15605 CORNET ST	100,858.82	2.32	3.0	2.0	1.0	6.0	102.30
7005-003-062	13241 ALONDRA BLVD	0.00	0.44	2.0	2.0	2.0	6.0	102.30
7005-003-066	13012 MOLETTE ST	519,670.80	11.93	2.0	2.0	1.0	5.0	85.25
7005-003-067	15700 SHOEMAKER AVE	900,385.20	20.67	2.0	2.0	1.0	5.0	85.25
7005-003-068	13220 MOLETTE ST	153,549.00	3.53	3.0	2.0	1.0	6.0	102.30
7005-003-069	13225 ALONDRA BLVD	254,939.26	5.85	2.0	2.0	1.0	5.0	85.25
7005-004-025	15433 CARMENITA RD	49,222.80	1.13	3.0	2.0	1.0	6.0	102.30
7005-004-029	13301 ALONDRA BLVD	48,782.84	1.12	2.0	2.0	1.0	5.0	85.25
7005-004-030	15600 CORNET ST	41,817.60	0.96	3.0	2.0	1.0	6.0	102.30
7005-004-031	15520 CORNET ST	30,927.60	0.71	2.0	2.0	1.0	5.0	85.25
7005-004-032	15500 CORNET ST	50,094.00	1.15	3.0	2.0	1.0	6.0	102.30
7005-004-033	15418 CORNET ST	28,314.00	0.65	2.0	2.0	1.0	5.0	85.25
7005-004-034	15408 CORNET ST	33,976.80	0.78	3.0	2.0	1.0	6.0	102.30
7005-004-035	15326 CORNET ST	20,468.84	0.47	3.0	2.0	1.0	6.0	102.30
7005-004-036	15320 CORNET ST	29,620.80	0.68	3.0	2.0	1.0	6.0	102.30
7005-004-042	13321 ALONDRA BLVD	77,972.40	1.79	3.0	2.0	1.0	6.0	102.30
7005-004-046	15511 CARMENITA RD	60,827.18	1.40	2.0	2.0	1.0	5.0	85.25
7005-004-047	15523 CARMENITA RD	39,709.30	0.91	2.0	2.0	1.0	5.0	85.25
7005-004-048	15531 CARMENITA RD	27,177.08	0.62	2.0	2.0	1.0	5.0	85.25
7005-004-049	15605 CARMENITA RD	0.00	1.74	0.0	0.0	0.0	2.0	34.10
7005-004-050	15319 CARMENITA RD	81,892.80	1.88	2.0	2.0	1.0	5.0	85.25
7005-004-051	15401 CARMENITA RD	136,342.80	3.13	3.0	2.0	1.0	6.0	102.30
7005-007-031	13120 ARCTIC CIR	18,351.83	0.42	3.0	2.0	1.0	6.0	102.30
7005-007-033	13138 ARCTIC CIR	18,351.83	0.42	2.0	2.0	1.0	5.0	85.25
7005-007-037	13100 ARCTIC CIR	24,445.87	0.56	1.0	0.5	0.5	2.0	34.10
7005-007-047	13126 ARCTIC CIR	29,886.52	0.69	2.0	2.0	1.0	5.0	85.25
7005-007-048	13130 ARCTIC CIR	29,886.52	0.69	2.0	2.0	1.0	5.0	85.25
7005-007-049	13117 MOLETTE ST	40,349.63	0.93	3.0	2.0	1.0	6.0	102.30
7005-007-050	13100 ARCTIC CIR	0.00	3.93	3.0	2.0	1.0	6.0	102.30
7005-007-051	13000 ARCTIC CIR	78,447.20	1.80	3.0	2.0	1.0	6.0	102.30
7005-007-052	13100 ARCTIC CIR	24,999.08	0.57	1.0	0.5	0.5	2.0	34.10
7005-007-053	13013 MOLETTE ST	0.00	1.66	3.0	2.0	1.0	6.0	102.30
7005-007-054	13055 MOLETTE ST	154,638.00	3.55	0.0	0.0	0.0	19.32975	329.57
7005-008-053	13150 ARCTIC CIR	21,923.75	0.50	2.0	2.0	1.0	5.0	85.25
7005-008-055	13208 ARCTIC CIR	21,923.75	0.50	3.0	2.0	1.0	6.0	102.30
7005-008-058	13158 ARCTIC CIR BLDG 6	33,157.87	0.76	2.0	2.0	1.0	5.0	85.25
7005-008-059	13202 ARCTIC CIR	33,157.87	0.76	2.0	2.0	1.0	5.0	85.25
7005-008-081	13316 ARCTIC CIR	31,994.82	0.73	2.0	2.0	1.0	5.0	85.25
7005-008-083	13141 MOLETTE ST	94,616.68	2.17	2.0	2.0	1.0	5.0	85.25
7005-008-084	13250 ARCTIC CIR	100,275.12	2.30	2.0	2.0	1.0	5.0	85.25
7005-008-085	13325 MOLETTE ST	231,303.60	5.31	0.0	0.0	0.0	28.91295	492.96
7005-014-014	15629 CLANTON CIR	39,204.00	0.90	0.0	0.0	0.0	8.0	136.40
7005-014-015	15645 CLANTON CIR	33,976.80	0.78	3.0	2.0	1.0	6.0	102.30
7005-014-016	13621 ALONDRA BLVD	30,492.00	0.70	3.0	2.0	1.0	6.0	102.30
7005-014-019	13653 ALONDRA BLVD	33,976.80	0.78	0.0	0.0	0.0	8.0	136.40
7005-014-021	13635 ALONDRA BLVD	26,571.60	0.61	2.0	2.0	1.0	5.0	85.25
7005-014-026	15636 CLANTON CIR	11,325.60	0.26	3.0	2.0	1.0	6.0	102.30

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7005-014-027	15644 CLANTON CIR	16,984.04	0.39	3.0	2.0	1.0	6.0	102.30
7005-014-041	13541 ALONDRA BLVD	149,410.80	3.43	2.0	2.0	1.0	5.0	85.25
7005-014-043	13429 ALONDRA BLVD	28,749.60	0.66	3.0	2.0	1.0	6.0	102.30
7005-014-068	13553 ALONDRA BLVD	135,907.20	3.12	2.0	2.0	1.0	5.0	85.25
7005-014-070	15536 CARMENITA RD	291,852.00	6.70	0.0	0.0	0.0	6.0	102.30
7005-014-071	13530 FIRESTONE BLVD	0.00	0.46	0.0	0.0	0.0	8.0	136.40
7005-014-072	NO SITUS AVAILABLE	347,608.80	7.98	0.0	0.0	0.0	5.0	85.25
7005-014-074	15306 CARMENITA RD	258,310.80	5.90	3.0	2.0	1.0	6.0	102.30
7005-014-075	13420 FIRESTONE BLVD	0.00	2.13	0.0	0.0	0.0	8.0	136.40
7005-014-076	NO SITUS AVAILABLE	0.00	1.99	0.0	0.5	0.5	1.0	17.05
7005-014-080	13700 FIRESTONE BLVD	0.00	0.00	0.0	0.0	0.0	6.0	102.30
8002-013-001	11642 PIKE ST	67,518.00	1.55	2.0	2.0	1.0	5.0	85.25
8002-013-002	11654 PIKE ST	40,946.40	0.94	3.0	2.0	1.0	6.0	102.30
8002-013-003	11708 PIKE ST	0.00	1.06	2.0	2.0	2.0	6.0	102.30
8002-013-004	9403 NORWALK BLVD	8,799.12	0.20	3.0	2.0	1.0	6.0	102.30
8002-013-005	11500 LOS NIETOS RD	101,930.40	2.34	2.0	2.0	1.0	5.0	85.25
8002-013-006	11500 LOS NIETOS RD	149,410.80	3.43	2.0	2.0	1.0	5.0	85.25
8002-013-007	11600 LOS NIETOS RD	193,842.00	4.45	3.0	2.0	1.0	6.0	102.30
8002-013-008	9211 NORWALK BLVD	378,972.00	8.70	3.0	2.0	1.0	6.0	102.30
8002-013-009	11641 PIKE ST	187,308.00	4.30	0.0	0.0	0.0	14.0481	239.52
8002-013-010	9351 NORWALK BLVD	181,209.60	4.16	2.0	2.0	1.0	5.0	85.25
8002-013-011	11630 PIKE ST	162,478.80	3.73	3.0	2.0	1.0	6.0	102.30
8002-013-012	9401 NORWALK BLVD	25,521.80	0.59	3.0	2.0	1.0	6.0	102.30
8002-013-013	11600 PIKE ST	176,418.00	4.05	2.0	2.0	1.0	5.0	85.25
8002-013-014	11605 PIKE ST	83,635.20	1.92	2.0	2.0	1.0	5.0	85.25
8002-015-008	9747 NORWALK BLVD	518,799.60	11.91	3.0	2.0	1.0	6.0	102.30
8002-015-009	11919 SMITH AVE	196,455.60	4.51	2.0	2.0	1.0	5.0	85.25
8002-015-010	11919 SMITH AVE	11,072.95	0.25	1.0	0.5	0.5	2.0	34.10
8002-015-015	11720 PIKE ST	32,225.69	0.74	3.0	2.0	1.0	6.0	102.30
8002-015-016	9501 NORWALK BLVD	508,340.84	11.67	2.0	2.0	1.0	5.0	85.25
8002-015-018	9815 NORWALK BLVD	446,925.60	10.26	3.0	2.0	1.0	6.0	102.30
8002-015-019	9703 NORWALK BLVD	314,938.80	7.23	3.0	2.0	1.0	6.0	102.30
8002-015-024	12039 SMITH AVE	87,120.00	2.00	0.0	0.0	0.0	5.0	85.25
8002-015-025	12011 SMITH AVE	94,089.60	2.16	0.0	0.0	0.0	5.0	85.25
8002-015-026	NO SITUS AVAILABLE	5,797.84	0.13	0.0	0.0	0.0	2.5	42.62
8002-015-027	NO SITUS AVAILABLE	5,889.31	0.14	0.0	0.0	0.0	2.0	34.10
8002-016-022	9210 NORWALK BLVD	52,659.68	1.21	2.0	2.0	1.0	5.0	85.25
8002-016-023	9214 NORWALK BLVD	12,388.46	0.28	2.0	2.0	1.0	5.0	85.25
8002-016-024	9218 NORWALK BLVD	12,497.36	0.29	2.0	2.0	1.0	5.0	85.25
8002-016-025	9220 NORWALK BLVD	37,274.29	0.86	2.0	2.0	1.0	5.0	85.25
8002-016-026	9230 NORWALK BLVD	20,246.69	0.46	2.0	2.0	1.0	5.0	85.25
8002-016-027	9234 NORWALK BLVD	31,589.71	0.73	2.0	2.0	1.0	5.0	85.25
8002-016-028	9240 NORWALK BLVD	19,667.34	0.45	2.0	2.0	1.0	5.0	85.25
8002-016-029	9244 NORWALK BLVD	28,209.46	0.65	2.0	2.0	1.0	5.0	85.25
8002-016-030	9310 NORWALK BLVD	28,126.69	0.65	2.0	2.0	1.0	5.0	85.25
8002-016-031	9314 NORWALK BLVD	29,585.95	0.68	2.0	2.0	1.0	5.0	85.25
8002-017-009	9400 NORWALK BLVD	105,937.92	2.43	2.0	2.0	1.0	5.0	85.25
8002-017-010	11903 PIKE ST	100,967.72	2.32	2.0	2.0	1.0	5.0	85.25
8002-017-014	9500 NORWALK BLVD	0.00	1.11	1.0	1.0	1.0	3.0	51.15
8002-017-017	9440 NORWALK BLVD	136,734.84	3.14	2.0	2.0	1.0	5.0	85.25
8002-017-018	12115 PACIFIC ST	174,240.00	4.00	2.0	2.0	1.0	5.0	85.25
8002-017-020	11925 PIKE ST	270,028.44	6.20	2.0	2.0	1.0	5.0	85.25
8002-017-026	12005 PIKE ST	222,548.04	5.11	2.0	2.0	1.0	5.0	85.25
8002-017-027	12065 PIKE ST	289,238.40	6.64	2.0	2.0	1.0	5.0	85.25
8002-017-028	12065 PIKE ST	69,260.40	1.59	0.0	0.5	0.5	1.0	17.05
8002-017-031	12132 LOS NIETOS RD	21,588.34	0.50	1.0	0.5	0.5	2.0	34.10
8002-017-032	12200 LOS NIETOS RD	32,526.25	0.75	3.0	2.0	1.0	6.0	102.30
8002-017-033	12234 LOS NIETOS RD	50,965.20	1.17	2.0	2.0	1.0	5.0	85.25
8002-019-010	9701 BELL RANCH DR	105,977.12	2.43	2.0	2.0	1.0	5.0	85.25
8002-019-014	9700 BELL RANCH DR	283,140.00	6.50	2.0	2.0	1.0	5.0	85.25
8002-019-034	9720 NORWALK BLVD	84,942.00	1.95	2.0	2.0	1.0	5.0	85.25
8002-019-040	12235 BELL RANCH DR	66,211.20	1.52	0.0	0.5	0.5	1.0	17.05
8002-019-041	12235 BELL RANCH DR	94,089.60	2.16	0.0	0.5	0.5	1.0	17.05
8002-019-042	NO SITUS AVAILABLE	37,147.97	0.85	0.0	0.5	0.5	1.0	17.05
8002-019-043	9630 NORWALK BLVD	1,380,852.00	31.70	2.0	2.0	1.0	5.0	85.25
8002-021-003	12342 LOS NIETOS RD	18,386.68	0.42	1.0	0.5	1.0	2.5	42.62
8002-021-012	12336 LOS NIETOS RD	21,653.68	0.50	0.0	0.0	0.0	8.0	90.93
8002-021-018	12322 LOS NIETOS RD	26,035.81	0.60	3.0	2.0	1.0	6.0	102.30
8002-021-019	12306 LOS NIETOS RD	0.00	0.91	2.0	2.0	2.0	6.0	102.30
8002-021-023	12444 LOS NIETOS RD	19,602.00	0.45	1.0	0.5	1.0	2.5	42.62
8002-021-024	12450 LOS NIETOS RD	57,063.60	1.31	3.0	2.0	1.0	6.0	102.30
8002-021-027	9803 SANTA FE SPRINGS RD	0.00	0.41	3.0	1.0	1.0	5.0	85.25
8002-021-029	12522 LOS NIETOS RD	138,956.40	3.19	2.0	2.0	1.0	5.0	85.25
8002-021-030	9835 SANTA FE SPRINGS RD	138,956.40	3.19	3.0	2.0	1.0	6.0	102.30
8002-021-032	12402 LOS NIETOS RD	84,506.40	1.94	2.0	2.0	1.0	5.0	85.25
8002-021-033	12350 LOS NIETOS RD	23,661.79	0.54	0.0	0.0	0.0	6.0	102.30
8005-002-016	9841 ALBURTIS AVE	58,366.04	1.34	3.0	2.0	1.0	6.0	102.30
8005-002-047	9901 ALBURTIS AVE	33,105.60	0.76	3.0	2.0	1.0	6.0	102.30
8005-002-048	9846 JERSEY AVE	29,620.80	0.68	3.0	2.0	1.0	6.0	102.30
8005-002-053	11621 TELEGRAPH RD	0.00	0.99	1.0	1.0	1.0	3.0	51.15
8005-002-054	9915 ALBURTIS AVE	13,503.60	0.31	3.0	2.0	1.0	6.0	102.30
8005-002-055	11643 TELEGRAPH RD	24,824.84	0.57	3.0	2.0	1.0	6.0	102.30
8005-002-058	9851 ALBURTIS AVE	29,185.20	0.67	3.0	2.0	1.0	6.0	102.30
8005-002-059	9830 JERSEY AVE	29,185.20	0.67	3.0	2.0	1.0	6.0	102.30
8005-002-060	11651 TELEGRAPH RD	0.00	0.57	0.0	0.0	0.0	4.0	68.20
8005-008-005	11755 TELEGRAPH RD	221,716.04	5.09	2.0	2.0	1.0	5.0	85.25
8005-008-009	9830 ALBURTIS AVE	166,394.84	3.82	3.0	2.0	1.0	6.0	102.30

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8005-008-018	11739 WILLAKE ST	31,567.93	0.72	3.0	2.0	1.0	6.0	102.30
8005-008-019	11725 WILLAKE ST	25,020.86	0.57	3.0	2.0	1.0	6.0	102.30
8005-008-020	11705 WILLAKE ST	32,055.80	0.74	3.0	2.0	1.0	6.0	102.30
8005-008-021	11704 WILLAKE ST	31,994.82	0.73	3.0	2.0	1.0	6.0	102.30
8005-008-024	11724 WILLAKE ST	25,129.76	0.58	3.0	2.0	1.0	6.0	102.30
8005-008-025	11738 WILLAKE ST	31,358.84	0.72	3.0	2.0	1.0	6.0	102.30
8005-008-028	9880 PIONEER BLVD	68,628.78	1.58	2.0	2.0	1.0	5.0	85.25
8005-008-029	9865 PIONEER BLVD	47,802.74	1.10	3.0	2.0	1.0	6.0	102.30
8005-008-031	9825 PIONEER BLVD	50,211.61	1.15	2.0	2.0	1.0	5.0	85.25
8005-008-032	9837 PIONEER BLVD	44,169.84	1.01	2.0	2.0	1.0	5.0	85.25
8005-008-033	9847 PIONEER BLVD	41,329.73	0.95	3.0	2.0	1.0	6.0	102.30
8005-008-034	9905 PIONEER BLVD	387,244.04	8.89	3.0	2.0	1.0	6.0	102.30
8005-008-035	11701 TELEGRAPH RD	0.00	0.75	1.0	1.0	1.0	3.0	51.15
8005-008-036	11745 TELEGRAPH RD	0.00	1.26	1.0	1.0	1.0	3.0	51.15
8005-008-037	11721 TELEGRAPH RD	146,792.84	3.37	2.0	2.0	1.0	5.0	85.25
8005-009-005	11837 SMITH AVE	406,850.40	9.34	2.0	2.0	1.0	5.0	85.25
8005-010-001	11909 TELEGRAPH RD	168,141.60	3.86	2.0	2.0	1.0	5.0	85.25
8005-010-011	9920 PIONEER BLVD	362,854.80	8.33	3.0	2.0	1.0	6.0	102.30
8005-010-013	9816 ARLEE AVE	39,582.97	0.91	2.0	2.0	1.0	5.0	85.25
8005-010-014	11929 HAMDEN PL	32,578.52	0.75	2.0	2.0	1.0	5.0	85.25
8005-010-015	11930 HAMDEN PL	35,209.55	0.81	2.0	2.0	1.0	5.0	85.25
8005-010-016	9828 ARLEE AVE	24,864.05	0.57	2.0	2.0	1.0	5.0	85.25
8005-010-017	11911 HAMDEN PL	25,264.80	0.58	2.0	2.0	1.0	5.0	85.25
8005-010-018	11908 HAMDEN PL	24,742.08	0.57	2.0	2.0	1.0	5.0	85.25
8005-010-019	9912 PIONEER BLVD	0.00	0.62	1.0	1.0	1.0	3.0	51.15
8005-010-020	11829 HAMDEN PL	24,994.73	0.57	2.0	2.0	1.0	5.0	85.25
8005-010-021	11850 HAMDEN PL	24,898.90	0.57	2.0	2.0	1.0	5.0	85.25
8005-010-022	9916 PIONEER BLVD	25,142.83	0.58	2.0	2.0	1.0	5.0	85.25
8005-010-023	11824 HAMDEN PL	25,094.92	0.58	2.0	2.0	1.0	5.0	85.25
8005-010-024	11842 HAMDEN PL	41,821.96	0.96	2.0	2.0	1.0	5.0	85.25
8005-012-016	10241 MATERN PL	53,138.84	1.22	2.0	2.0	1.0	5.0	85.25
8005-012-017	10261 MATERN PL	90,604.80	2.08	2.0	2.0	1.0	5.0	85.25
8005-012-018	11949 TELEGRAPH RD	99,316.80	2.28	2.0	2.0	1.0	5.0	85.25
8005-012-022	10240 MATERN PL	51,400.80	1.18	2.0	2.0	1.0	5.0	85.25
8005-012-023	10260 MATERN PL	64,028.84	1.47	2.0	2.0	1.0	5.0	85.25
8005-012-025	NO SITUS AVAILABLE	59,555.23	1.37	0.0	0.5	0.5	1.0	17.05
8005-012-026	10135 GEARY AVE	34,111.84	0.78	2.0	2.0	1.0	5.0	85.25
8005-012-027	NO SITUS AVAILABLE	94,089.60	2.16	0.0	0.5	0.5	1.0	17.05
8005-012-028	12009 TELEGRAPH RD	150,282.00	3.45	2.0	2.0	1.0	5.0	85.25
8005-012-029	NO SITUS AVAILABLE	39,639.60	0.91	0.0	0.5	0.5	1.0	17.05
8005-012-030	10035 GEARY AVE	294,465.60	6.76	2.0	2.0	1.0	5.0	85.25
8005-012-031	12131 TELEGRAPH RD	0.00	2.33	1.0	1.0	1.0	3.0	51.15
8005-012-034	10107 NORWALK BLVD	0.00	4.58	1.0	0.5	0.5	2.0	34.10
8005-012-036	9906 GEARY AVE	112,384.80	2.58	2.0	2.0	1.0	5.0	85.25
8005-012-037	9911 NORWALK BLVD	0.00	1.52	2.0	2.0	2.0	6.0	102.30
8005-012-038	10040 GEARY AVE	87,721.13	2.01	2.0	2.0	1.0	5.0	85.25
8005-012-039	10039 NORWALK BLVD	111,535.38	2.56	3.0	2.0	1.0	6.0	102.30
8005-012-041	10309 NORWALK BLVD	73,180.80	1.68	2.0	2.0	1.0	5.0	85.25
8005-012-043	9939 NORWALK BLVD	206,914.36	4.75	2.0	2.0	1.0	5.0	85.25
8005-012-044	10240 GEARY AVE	200,376.00	4.60	2.0	2.0	1.0	5.0	85.25
8005-012-046	10137 NORWALK BLVD	89,733.60	2.06	2.0	2.0	1.0	5.0	85.25
8005-012-047	10137 NORWALK BLVD	109,771.20	2.52	0.0	0.5	0.5	1.0	17.05
8005-014-010	9841 BELL RANCH DR	21,771.29	0.50	2.0	2.0	1.0	5.0	85.25
8005-014-011	9901 BELL RANCH DR	21,745.15	0.50	2.0	2.0	1.0	5.0	85.25
8005-014-021	12524 MCCANN DR	31,188.96	0.72	2.0	2.0	1.0	5.0	85.25
8005-014-022	12510 MCCANN DR	19,480.03	0.45	2.0	2.0	1.0	5.0	85.25
8005-014-023	12521 MCCANN DR	55,016.28	1.26	2.0	2.0	1.0	5.0	85.25
8005-014-028	9930 JORDAN CIR	18,513.00	0.43	2.0	2.0	1.0	5.0	85.25
8005-014-029	12535 MCCANN DR	35,370.72	0.81	2.0	2.0	1.0	5.0	85.25
8005-014-031	12464 MCCANN DR	41,604.16	0.96	2.0	2.0	1.0	5.0	85.25
8005-014-032	12440 MCCANN DR	26,554.18	0.61	3.0	2.0	1.0	6.0	102.30
8005-014-033	12414 MCCANN DR	37,958.18	0.87	2.0	2.0	1.0	5.0	85.25
8005-014-034	12404 MCCANN DR	29,124.22	0.67	2.0	2.0	1.0	5.0	85.25
8005-014-035	12358 MCCANN DR	29,185.20	0.67	2.0	2.0	1.0	5.0	85.25
8005-014-036	12342 MCCANN DR	39,443.58	0.91	2.0	2.0	1.0	5.0	85.25
8005-014-038	9704 JORDAN CIR	29,363.80	0.67	2.0	2.0	1.0	5.0	85.25
8005-014-041	9810 JORDAN CIR	43,616.63	1.00	2.0	2.0	1.0	5.0	85.25
8005-014-042	9834 JORDAN CIR	62,404.06	1.43	0.0	0.0	0.0	8.0	136.40
8005-014-043	9856 JORDAN CIR	37,317.85	0.86	2.0	2.0	1.0	5.0	85.25
8005-014-044	9900 JORDAN CIR	53,578.80	1.23	2.0	2.0	1.0	5.0	85.25
8005-014-045	9910 JORDAN CIR	43,952.04	1.01	3.0	2.0	1.0	6.0	102.30
8005-014-046	9920 JORDAN CIR	18,155.81	0.42	2.0	2.0	1.0	5.0	85.25
8005-014-047	9921 JORDAN CIR	39,988.08	0.92	2.0	2.0	1.0	5.0	85.25
8005-014-057	12435 MCCANN DR	210,830.40	4.84	2.0	2.0	1.0	5.0	85.25
8005-014-058	9807 JORDAN CIR	43,560.00	1.00	2.0	2.0	1.0	5.0	85.25
8005-014-059	12411 MCCANN DR	29,612.09	0.68	2.0	2.0	1.0	5.0	85.25
8005-014-060	12556 MCCANN DR	30,487.64	0.70	2.0	2.0	1.0	5.0	85.25
8005-014-061	12540 MCCANN DR	20,656.15	0.47	2.0	2.0	1.0	5.0	85.25
8005-014-063	9949 TABOR PL	33,497.64	0.77	2.0	2.0	1.0	5.0	85.25
8005-014-064	9937 TABOR PL	35,680.00	0.82	2.0	2.0	1.0	5.0	85.25
8005-014-065	9925 TABOR PL	89,733.60	2.06	2.0	2.0	1.0	5.0	85.25
8005-014-068	9722 JORDAN CIR	23,400.43	0.54	2.0	2.0	1.0	5.0	85.25
8005-014-069	9940 TABOR PL	23,526.76	0.54	2.0	2.0	1.0	5.0	85.25
8005-014-070	12335 MCCANN DR	30,361.32	0.70	2.0	2.0	1.0	5.0	85.25
8005-014-071	12304 MCCANN DR	49,222.80	1.13	2.0	2.0	1.0	5.0	85.25
8005-014-072	12330 MCCANN DR	48,351.60	1.11	2.0	2.0	1.0	5.0	85.25
8005-014-075	9834 NORWALK BLVD	93,218.40	2.14	2.0	2.0	1.0	5.0	85.25

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8005-014-076	9924 NORWALK BLVD	118,047.60	2.71	2.0	2.0	1.0	5.0	85.25
8005-014-077	9830 NORWALK BLVD	295,336.80	6.78	2.0	2.0	1.0	5.0	85.25
8005-014-080	9804 NORWALK BLVD	114,127.20	2.62	2.0	2.0	1.0	5.0	85.25
8005-014-081	9737 BELL RANCH DR	76,121.10	1.75	2.0	2.0	1.0	5.0	85.25
8005-014-082	9825 BELL RANCH DR	28,727.82	0.66	2.0	2.0	1.0	5.0	85.25
8005-014-084	NO SITUS AVAILABLE	5,026.82	0.12	0.0	0.5	0.5	1.0	17.05
8005-014-085	NO SITUS AVAILABLE	3,227.80	0.07	0.0	0.5	0.5	1.0	17.05
8005-014-086	12436 BELL RANCH DR	88,426.80	2.03	2.0	2.0	1.0	5.0	85.25
8005-014-087	12342 BELL RANCH DR	163,110.42	3.74	2.0	2.0	1.0	5.0	85.25
8005-014-093	12252 MCCANN DR	24,676.74	0.57	2.0	2.0	1.0	5.0	85.25
8005-014-098	9922 TABOR PL	56,192.40	1.29	2.0	2.0	1.0	5.0	85.25
8005-014-099	9740 JORDAN CIR	83,199.60	1.91	2.0	2.0	1.0	5.0	85.25
8005-014-100	12300 BELL RANCH DR	153,331.20	3.52	2.0	2.0	1.0	5.0	85.25
8005-014-101	12206 BELL RANCH DR	146,797.20	3.37	2.0	2.0	1.0	5.0	85.25
8005-014-102	9945 BELL RANCH DR	38,306.66	0.88	2.0	2.0	1.0	5.0	85.25
8005-014-104	9915 BELL RANCH DR	36,385.67	0.84	2.0	2.0	1.0	5.0	85.25
8005-014-109	12236 MCCANN DR	39,090.74	0.90	3.0	2.0	1.0	6.0	102.30
8005-014-111	10020 NORWALK BLVD	79,279.20	1.82	2.0	2.0	1.0	5.0	85.25
8005-015-011	10025 BLOOMFIELD AVE	1,707,552.00	39.20	0.0	0.0	0.0	128.0664	2,183.53
8005-015-013	NO SITUS AVAILABLE	15,206.80	0.35	0.0	0.5	0.5	1.0	17.05
8005-015-016	10140 NORWALK BLVD	37,461.60	0.86	2.0	2.0	1.0	5.0	85.25
8005-015-017	10204 NORWALK BLVD	27,007.20	0.62	2.0	2.0	1.0	5.0	85.25
8005-015-018	10214 NORWALK BLVD	42,122.52	0.97	2.0	2.0	1.0	5.0	85.25
8005-015-019	10230 NORWALK BLVD	35,152.92	0.81	2.0	2.0	1.0	5.0	85.25
8005-015-020	10242 NORWALK BLVD	27,617.04	0.63	2.0	2.0	1.0	5.0	85.25
8005-015-021	10306 NORWALK BLVD	27,878.40	0.64	2.0	2.0	1.0	5.0	85.25
8005-015-022	10316 NORWALK BLVD	53,970.84	1.24	2.0	2.0	1.0	5.0	85.25
8005-015-023	NO SITUS AVAILABLE	19,475.68	0.45	0.0	0.5	0.5	1.0	17.05
8005-015-024	NO SITUS AVAILABLE	80,150.40	1.84	0.0	0.5	0.5	1.0	17.05
8005-015-025	NO SITUS AVAILABLE	17,397.86	0.40	0.0	0.5	0.5	1.0	17.05
8005-015-026	NO SITUS AVAILABLE	6,089.69	0.14	0.0	0.5	0.5	1.0	17.05
8005-015-027	12405 TELEGRAPH RD	99,460.55	2.28	0.0	0.5	0.5	1.0	17.05
8005-015-028	12405 TELEGRAPH RD	22,102.34	0.51	3.0	2.0	1.0	6.0	102.30
8005-015-029	12317 TELEGRAPH RD	180,774.00	4.15	3.0	2.0	1.0	6.0	102.30
8005-015-032	10110 NORWALK BLVD	37,104.41	0.85	3.0	2.0	1.0	6.0	102.30
8005-015-034	10132 NORWALK BLVD	63,976.57	1.47	3.0	2.0	1.0	6.0	102.30
8005-015-035	12215 TELEGRAPH RD	0.00	0.82	1.0	1.0	1.0	3.0	51.15
8005-015-037	12301 HAWKINS ST	246,362.29	5.66	2.0	2.0	1.0	5.0	85.25
8005-015-038	12313 HAWKINS ST	224,769.60	5.16	2.0	2.0	1.0	5.0	85.25
8005-015-039	12343 HAWKINS ST	91,911.60	2.11	2.0	2.0	1.0	5.0	85.25
8005-015-040	12342 HAWKINS ST	74,923.20	1.72	2.0	2.0	1.0	5.0	85.25
8005-015-041	12328 HAWKINS ST	71,002.80	1.63	2.0	2.0	1.0	5.0	85.25
8005-015-042	12246 HAWKINS ST	63,162.00	1.45	2.0	2.0	1.0	5.0	85.25
8005-015-043	12238 HAWKINS ST	51,997.57	1.19	2.0	2.0	1.0	5.0	85.25
8005-015-044	10233 PALM DR	127,195.20	2.92	2.0	2.0	1.0	5.0	85.25
8005-015-045	10232 PALM DR	198,198.00	4.55	2.0	2.0	1.0	5.0	85.25
8005-019-011	NO SITUS AVAILABLE	7,496.68	0.17	0.0	0.5	0.5	1.0	17.05
8005-019-022	10011 SANTA FE SPRINGS RD	18,900.68	0.43	1.0	0.5	1.0	2.5	42.62
8005-019-029	12658 CISNEROS LN	97,835.76	2.25	2.0	2.0	1.0	5.0	85.25
8005-019-030	12623 1ST ST	233,830.08	5.37	2.0	2.0	1.0	5.0	85.25
8005-019-033	NO SITUS AVAILABLE	8,058.60	0.19	0.0	0.5	0.5	1.0	17.05
8005-019-035	10318 SANTA FE SPRINGS RD	53,578.80	1.23	2.0	2.0	1.0	5.0	85.25
8005-019-036	10268 SANTA FE SPRINGS RD	69,260.40	1.59	2.0	2.0	1.0	5.0	85.25
8005-019-037	10118 SANTA FE SPRINGS RD	67,953.60	1.56	2.0	2.0	1.0	5.0	85.25
8005-019-038	10018 SANTA FE SPRINGS RD	283,575.60	6.51	2.0	2.0	1.0	5.0	85.25
8005-019-039	NO SITUS AVAILABLE	6,141.96	0.14	0.0	0.0	0.0	1.0	17.05
8005-019-040	9988 SANTA FE SPRINGS RD	79,279.20	1.82	0.0	0.0	0.0	5.0	85.25
8005-023-017	10011 SANTA FE SPRINGS RD	26,366.87	0.61	1.0	0.5	1.0	2.5	42.62
8005-023-018	10011 SANTA FE SPRINGS RD	33,197.08	0.76	2.0	2.0	1.0	5.0	85.25
8005-023-019	9810 BELL RANCH DR	333,234.00	7.65	2.0	2.0	1.0	5.0	85.25
8005-023-020	9900 BELL RANCH DR	101,930.40	2.34	2.0	2.0	1.0	5.0	85.25
8006-014-046	11409 TELEGRAPH RD	30,526.85	0.70	2.0	1.0	1.0	4.0	68.20
8006-014-053	11409 TELEGRAPH RD	24,158.38	0.55	1.0	0.5	1.0	2.5	42.62
8007-008-102	11426 TELEGRAPH RD	0.00	0.64	2.0	1.0	1.0	4.0	68.20
8007-008-103	9913 ORR AND DAY RD	64,259.71	1.48	2.0	1.0	1.0	4.0	68.20
8007-008-112	NO SITUS AVAILABLE	0.00	0.01	0.0	0.5	0.5	1.0	17.05
8007-008-113	10017 ORR AND DAY RD	0.00	0.13	3.0	1.0	1.0	5.0	85.25
8007-008-114	11344 TELEGRAPH RD	0.00	0.58	3.0	1.0	1.0	5.0	85.25
8008-004-087	9930 S ORR AND DAY RD	28,331.42	0.65	0.0	0.0	0.0	8.0	136.40
8008-004-088	11442 TELEGRAPH RD	20,830.39	0.48	0.0	0.0	0.0	8.0	136.40
8008-004-089	11514 TELEGRAPH RD	8,254.62	0.19	0.0	0.0	0.0	8.0	136.40
8008-004-090	11536 TELEGRAPH RD	9,500.44	0.22	0.0	0.0	0.0	8.0	136.40
8008-004-091	11570 TELEGRAPH RD	15,328.76	0.35	0.0	0.0	0.0	8.0	136.40
8008-004-092	11452 TELEGRAPH RD	270,507.60	6.21	0.0	0.0	0.0	54.10152	922.43
8008-016-060	11405 FLORENCE AVE	23,350.00	0.59	2.0	1.0	1.0	4.0	68.20
8008-016-063	10718 ROSETON AVE	22,158.97	0.51	1.0	0.5	1.0	2.5	42.62
8009-001-013	10400 NORWALK BLVD	0.00	1.52	1.0	1.0	1.0	3.0	51.15
8009-007-023	12070 TELEGRAPH RD	0.00	2.67	1.0	1.0	1.0	3.0	51.15
8009-007-028	10375 SLUSHER DR	57,063.60	1.31	2.0	2.0	1.0	5.0	85.25
8009-007-029	10375 SLUSHER DR	9,548.35	0.22	1.0	0.5	1.0	2.5	42.62
8009-007-030	10395 SLUSHER DR	64,904.40	1.49	2.0	2.0	1.0	5.0	85.25
8009-007-031	10395 SLUSHER DR	5,532.12	0.13	1.0	0.5	1.0	2.5	42.62
8009-007-032	10415 SLUSHER DR	53,578.80	1.23	2.0	2.0	1.0	5.0	85.25
8009-007-033	10415 SLUSHER DR	4,630.43	0.11	1.0	0.5	1.0	2.5	42.62
8009-007-034	10425 SLUSHER DR	73,180.80	1.68	2.0	2.0	1.0	5.0	85.25
8009-007-035	10425 SLUSHER DR	2,870.60	0.07	1.0	0.5	1.0	2.5	42.62
8009-007-036	10455 SLUSHER DR	110,206.80	2.53	2.0	2.0	1.0	5.0	85.25

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8009-007-037	10455 SLUSHER DR	5,649.73	0.13	1.0	0.5	1.0	2.5	42.62
8009-007-038	10430 SLUSHER DR	165,528.00	3.80	2.0	2.0	1.0	5.0	85.25
8009-007-039	12020 MORA DR	74,487.60	1.71	2.0	2.0	1.0	5.0	85.25
8009-007-040	12041 MORA DR	26,571.60	0.61	2.0	2.0	1.0	5.0	85.25
8009-007-041	12015 MORA DR	30,269.84	0.69	2.0	2.0	1.0	5.0	85.25
8009-007-042	10370 SLUSHER DR	122,839.20	2.82	2.0	2.0	1.0	5.0	85.25
8009-007-045	11980 TELEGRAPH RD	100,188.00	2.30	2.0	2.0	1.0	5.0	85.25
8009-007-046	11980 TELEGRAPH RD	26,602.09	0.61	1.0	0.5	1.0	2.5	42.62
8009-007-047	10355 SLUSHER DR	165,528.00	3.80	2.0	2.0	1.0	5.0	85.25
8009-007-048	10355 SLUSHER DR	25,147.19	0.58	1.0	0.5	1.0	2.5	42.62
8009-007-049	10349 HERITAGE PARK DR	73,616.40	1.69	2.0	2.0	1.0	5.0	85.25
8009-007-050	12016 TELEGRAPH RD	0.00	0.77	1.0	1.0	1.0	3.0	51.15
8009-007-051	10350 HERITAGE PARK DR	19,497.46	0.45	1.0	0.5	1.0	2.5	42.62
8009-007-052	10350 HERITAGE PARK DR	0.00	1.98	1.0	1.0	1.0	3.0	51.15
8009-007-053	12145 MORA DR	70,131.60	1.61	2.0	2.0	1.0	5.0	85.25
8009-007-054	12145 MORA DR	18,029.48	0.41	1.0	0.5	1.0	2.5	42.62
8009-007-055	12155 MORA DR	101,059.20	2.32	2.0	2.0	1.0	5.0	85.25
8009-007-056	12170 MORA DR	57,934.80	1.33	2.0	2.0	1.0	5.0	85.25
8009-007-057	12160 MORA DR	58,806.00	1.35	2.0	2.0	1.0	5.0	85.25
8009-007-058	12150 MORA DR	94,525.20	2.17	2.0	2.0	1.0	5.0	85.25
8009-007-059	12130 MORA DR	26,907.01	0.62	2.0	2.0	1.0	5.0	85.25
8009-007-060	12130 MORA DR	22,877.71	0.53	2.0	2.0	1.0	5.0	85.25
8009-007-061	10440 ONTIVEROS PL	73,180.80	1.68	2.0	2.0	1.0	5.0	85.25
8009-007-064	12120 TELEGRAPH RD	34,307.86	0.79	3.0	1.0	1.0	5.0	85.25
8009-013-065	12536 CLARK ST	24,611.40	0.57	3.0	2.0	1.0	6.0	102.30
8009-013-066	12520 CLARK ST	13,094.14	0.30	3.0	2.0	1.0	6.0	102.30
8009-013-067	10608 FOREST ST	39,569.90	0.91	2.0	2.0	1.0	5.0	85.25
8009-013-068	10624 FOREST ST	26,798.11	0.62	3.0	2.0	1.0	6.0	102.30
8009-013-069	10636 FOREST ST	40,197.17	0.92	3.0	2.0	1.0	6.0	102.30
8009-013-070	NO SITUS AVAILABLE	6,747.44	0.15	0.0	0.5	0.5	1.0	17.05
8009-013-071	NO SITUS AVAILABLE	6,651.61	0.15	0.0	0.5	0.5	1.0	17.05
8009-013-072	NO SITUS AVAILABLE	6,747.44	0.15	0.0	0.5	0.5	1.0	17.05
8009-013-073	NO SITUS AVAILABLE	6,651.61	0.15	0.0	0.5	0.5	1.0	17.05
8009-013-074	NO SITUS AVAILABLE	6,747.44	0.15	0.0	0.5	0.5	1.0	17.05
8009-013-075	NO SITUS AVAILABLE	6,651.61	0.15	0.0	0.5	0.5	1.0	17.05
8009-013-076	NO SITUS AVAILABLE	4,046.72	0.09	0.0	0.5	0.5	1.0	17.05
8009-013-077	NO SITUS AVAILABLE	3,985.74	0.09	0.0	0.5	0.5	1.0	17.05
8009-013-078	10609 FOREST ST	148,800.96	3.42	2.0	2.0	1.0	5.0	85.25
8009-013-079	NO SITUS AVAILABLE	7,483.61	0.17	0.0	0.5	0.5	1.0	17.05
8009-013-080	10654 VERNE ST	8,533.40	0.20	0.0	0.5	0.5	1.0	17.05
8009-013-081	NO SITUS AVAILABLE	11,896.24	0.27	0.0	0.5	0.5	1.0	17.05
8009-013-082	NO SITUS AVAILABLE	14,457.56	0.33	0.0	0.5	0.5	1.0	17.05
8009-013-083	12410 CLARK ST	37,108.76	0.85	2.0	2.0	1.0	5.0	85.25
8009-013-084	10620 SPRINGDALE AVE	90,169.20	2.07	2.0	2.0	1.0	5.0	85.25
8009-013-085	10640 SPRINGDALE AVE	75,358.80	1.73	2.0	2.0	1.0	5.0	85.25
8009-013-086	NO SITUS AVAILABLE	4,787.24	0.11	0.0	0.5	0.5	1.0	17.05
8009-013-094	NO SITUS AVAILABLE	142,005.60	3.26	0.0	0.0	0.0	1.0	17.05
8009-015-028	12505 FLORENCE AVE NO 7	40,767.80	0.94	2.0	2.0	1.0	5.0	85.25
8009-015-030	10700 FOREST ST	29,799.40	0.68	0.0	0.0	0.0	8.0	136.40
8009-015-031	NO SITUS AVAILABLE	9,199.87	0.21	0.0	0.0	0.0	1.0	17.05
8009-015-032	NO SITUS AVAILABLE	5,749.92	0.13	0.0	0.0	0.0	1.0	17.05
8009-015-033	10715 BLOOMFIELD AVE	29,699.21	0.68	2.0	2.0	1.0	5.0	85.25
8009-015-034	NO SITUS AVAILABLE	5,749.92	0.13	0.0	0.0	0.0	1.0	17.05
8009-015-035	NO SITUS AVAILABLE	5,749.92	0.13	0.0	0.0	0.0	1.0	17.05
8009-015-036	NO SITUS AVAILABLE	5,749.92	0.13	0.0	0.5	0.5	1.0	17.05
8009-015-037	NO SITUS AVAILABLE	8,036.82	0.18	0.0	0.5	0.5	1.0	17.05
8009-015-038	12411 FLORENCE AVE	92,782.80	2.13	3.0	2.0	1.0	6.0	102.30
8009-015-039	12439 FLORENCE AVE	92,347.20	2.12	3.0	2.0	1.0	6.0	102.30
8009-015-040	10746 SPRINGDALE AVE	110,180.66	2.53	3.0	2.0	1.0	6.0	102.30
8009-015-041	10701 FOREST ST	34,900.27	0.80	2.0	2.0	1.0	5.0	85.25
8009-015-042	10739 FOREST ST	32,927.00	0.76	3.0	2.0	1.0	6.0	102.30
8009-015-043	10751 FOREST ST	41,586.73	0.95	3.0	2.0	1.0	6.0	102.30
8009-015-047	NO SITUS AVAILABLE	39,208.36	0.90	0.0	0.0	0.0	1.0	17.05
8009-020-008	10622 NORWALK BLVD	32,230.04	0.74	3.0	2.0	1.0	6.0	102.30
8009-020-009	10532 NORWALK BLVD	69,696.00	1.60	3.0	2.0	1.0	6.0	102.30
8009-020-011	12380 CLARK ST	312,325.20	7.17	2.0	2.0	1.0	5.0	85.25
8009-020-012	NO SITUS AVAILABLE	4,525.88	0.10	0.0	0.5	0.5	1.0	17.05
8009-020-013	10715 SPRINGDALE AVE	147,650.98	3.39	2.0	2.0	1.0	5.0	85.25
8009-020-014	10725 SPRINGDALE AVE	147,799.08	3.39	0.0	0.0	0.0	18.47489	314.99
8009-020-015	12303 FLORENCE AVE	12,436.38	0.29	3.0	2.0	1.0	6.0	102.30
8009-020-016	12309 FLORENCE AVE	11,996.42	0.28	3.0	2.0	1.0	6.0	102.30
8009-020-017	12319 FLORENCE AVE	11,996.42	0.28	3.0	2.0	1.0	6.0	102.30
8009-020-018	12325 FLORENCE AVE	11,996.42	0.28	3.0	2.0	1.0	6.0	102.30
8009-020-019	12335 FLORENCE AVE	12,636.76	0.29	3.0	2.0	1.0	6.0	102.30
8009-020-020	10747 SPRINGDALE AVE	13,847.72	0.32	3.0	2.0	1.0	6.0	102.30
8009-020-021	10757 SPRINGDALE AVE	15,677.24	0.36	3.0	2.0	1.0	6.0	102.30
8009-020-023	12251 FLORENCE AVE	394,218.00	9.05	2.0	2.0	1.0	5.0	85.25
8009-020-024	12250 CLARK ST	257,875.20	5.92	2.0	2.0	1.0	5.0	85.25
8009-022-001	10810 NORWALK BLVD	27,002.84	0.62	2.0	1.0	1.0	4.0	68.20
8009-022-005	10858 NORWALK BLVD	8,995.14	0.21	3.0	2.0	1.0	6.0	102.30
8009-022-008	10918 NORWALK BLVD	17,998.99	0.41	3.0	2.0	1.0	6.0	102.30
8009-022-039	10840 NORWALK BLVD	0.00	0.41	1.0	1.0	1.0	3.0	51.15
8009-022-040	10862 NORWALK BLVD	26,998.49	0.62	2.0	2.0	1.0	5.0	85.25
8009-022-046	12222 FLORENCE AVE	201,072.96	4.62	0.0	0.0	0.0	25.13412	428.53
8009-022-047	12247 LAKE LAND RD	109,858.32	2.52	2.0	2.0	1.0	5.0	85.25
8009-022-050	10950 NORWALK BLVD	45,302.40	1.04	2.0	2.0	1.0	5.0	85.25
8009-022-051	10924 NORWALK BLVD	0.00	0.79	2.0	2.0	2.0	6.0	102.30

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8009-022-052	12241 LAKELAND RD	79,801.92	1.83	3.0	2.0	1.0	6.0	102.30
8009-022-053	NO SITUS AVAILABLE	193,406.40	4.44	0.0	0.5	0.5	1.0	17.05
8009-022-054	NO SITUS AVAILABLE	17,998.99	0.41	0.0	0.5	0.5	1.0	17.05
8009-022-057	NO SITUS AVAILABLE	356,320.80	8.18	0.0	0.5	0.5	1.0	17.05
8009-022-058	12354 LAKELAND RD	189,486.00	4.35	0.0	0.5	0.5	1.0	17.05
8009-022-060	10826 NORWALK BLVD	17,894.45	0.41	2.0	2.0	1.0	5.0	85.25
8009-022-061	10820 NORWALK BLVD	18,103.54	0.42	2.0	2.0	1.0	5.0	85.25
8009-022-062	10850 NORWALK BLVD	17,859.60	0.41	3.0	2.0	1.0	6.0	102.30
8009-022-063	12230 FLORENCE AVE	58,370.40	1.34	2.0	2.0	1.0	5.0	85.25
8009-022-064	12234 FLORENCE AVE	70,567.20	1.62	2.0	2.0	1.0	5.0	85.25
8009-022-065	12354 FLORENCE AVE	12,214.22	0.28	0.0	0.0	0.0	5.0	85.25
8009-022-066	12354 FLORENCE AVE	2,421.94	0.06	0.0	0.0	0.0	5.0	85.25
8009-022-067	12354 FLORENCE AVE	387,684.00	8.90	0.0	0.0	0.0	29.0763	495.75
8009-022-069	12335 LAKELAND RD	394,653.60	9.06	0.0	0.0	0.0	29.59902	504.66
8009-022-071	NO SITUS AVAILABLE	85,813.20	1.97	0.0	0.0	0.0	6.43599	109.73
8009-022-072	NO SITUS AVAILABLE	161,172.00	3.70	0.0	0.0	0.0	12.0879	206.09
8009-022-073	NO SITUS AVAILABLE	579,348.00	13.30	0.0	0.0	0.0	43.4511	740.84
8009-023-011	12111 LAKELAND RD	60,112.80	1.38	3.0	2.0	1.0	6.0	102.30
8009-023-016	12060 FLORENCE AVE	78,408.00	1.80	2.0	2.0	1.0	5.0	85.25
8009-023-022	10937 NORWALK BLVD	14,244.12	0.33	2.0	1.0	1.0	4.0	68.20
8009-023-023	10959 NORWALK BLVD	15,681.60	0.36	1.0	0.5	1.0	2.5	42.62
8009-023-027	10845 NORWALK BLVD	0.00	6.75	2.0	1.0	1.0	4.0	68.20
8009-023-029	11850 FLORENCE AVE	0.00	0.31	1.0	1.0	1.0	3.0	51.15
8009-023-035	12040 FLORENCE AVE	0.00	1.47	1.0	1.0	1.0	3.0	51.15
8009-023-037	10911 NORWALK BLVD	31,350.13	0.72	2.0	1.0	1.0	4.0	68.20
8009-023-040	12046 FLORENCE AVE	78,408.00	1.80	0.0	0.5	0.5	1.0	17.05
8009-023-041	12078 FLORENCE AVE	51,836.40	1.19	2.0	2.0	1.0	5.0	85.25
8009-025-007	10601 NORWALK BLVD	10,018.80	0.23	0.0	0.0	0.0	2.0	34.10
8009-025-010	10620 PIONEER BLVD	71,874.00	1.65	2.0	2.0	1.0	5.0	85.25
8009-025-011	10603 NORWALK BLVD	23,391.72	0.54	3.0	2.0	1.0	6.0	102.30
8009-025-020	12030 CLARK ST	32,670.00	0.75	2.0	2.0	1.0	5.0	85.25
8009-025-023	12075 CLARK ST UNIT 103	27,442.80	0.63	2.0	2.0	1.0	5.0	85.25
8009-025-024	12113 CLARK ST	27,442.80	0.63	2.0	2.0	1.0	5.0	85.25
8009-025-025	12135 CLARK ST	26,571.60	0.61	3.0	2.0	1.0	6.0	102.30
8009-025-028	12060 CLARK ST	35,714.84	0.82	3.0	2.0	1.0	6.0	102.30
8009-025-029	12110 CLARK ST	22,999.68	0.53	3.0	2.0	1.0	6.0	102.30
8009-025-030	12122 CLARK ST	24,833.56	0.57	3.0	2.0	1.0	6.0	102.30
8009-025-031	10555 NORWALK BLVD	25,081.85	0.58	3.0	2.0	1.0	6.0	102.30
8009-025-034	12000 CLARK ST	78,408.00	1.80	2.0	2.0	1.0	5.0	85.25
8009-025-035	12055 CLARK ST	48,782.84	1.12	3.0	2.0	1.0	6.0	102.30
8009-025-036	10504 PIONEER BLVD	156,376.04	3.59	2.0	2.0	1.0	5.0	85.25
8009-025-037	10600 PIONEER BLVD	39,748.50	0.91	2.0	2.0	1.0	5.0	85.25
8009-025-038	11821 FLORENCE AVE	588,060.00	13.50	2.0	2.0	1.0	5.0	85.25
8009-025-045	10643 NORWALK BLVD	70,000.92	1.61	2.0	2.0	1.0	5.0	85.25
8009-025-046	12075 FLORENCE AVE	43,516.44	1.00	3.0	2.0	1.0	6.0	102.30
8009-025-053	12025 FLORENCE AVE	93,654.00	2.15	3.0	2.0	1.0	6.0	102.30
8009-025-054	12045 FLORENCE AVE	186,872.40	4.29	2.0	2.0	1.0	5.0	85.25
8009-025-055	10707 FULTON WELLS AVE	93,174.84	2.14	2.0	2.0	1.0	5.0	85.25
8009-025-057	11947 FLORENCE AVE NO 1	90,604.80	2.08	2.0	2.0	1.0	5.0	85.25
8009-025-058	11947 FLORENCE AVE	121,968.00	2.80	2.0	2.0	1.0	5.0	85.25
8009-025-059	10513 HATHAWAY DR	146,361.60	3.36	2.0	2.0	1.0	5.0	85.25
8009-025-060	10510 HATHAWAY DR	51,836.40	1.19	2.0	2.0	1.0	5.0	85.25
8009-025-061	10546 HATHAWAY DR	92,347.20	2.12	2.0	2.0	1.0	5.0	85.25
8009-025-062	10702 HATHAWAY DR	53,143.20	1.22	2.0	2.0	1.0	5.0	85.25
8009-025-063	11975 FLORENCE AVE	27,002.84	0.62	3.0	2.0	1.0	6.0	102.30
8009-025-064	11901 FLORENCE AVE	41,377.64	0.95	3.0	2.0	1.0	6.0	102.30
8009-025-066	11901 FLORENCE AVE	0.00	3.98	1.0	1.0	1.0	3.0	51.15
8009-025-067	10623 FULTON WELLS AVE	106,722.00	2.45	2.0	2.0	1.0	5.0	85.25
8009-025-069	10628 FULTON WELLS AVE	177,289.20	4.07	2.0	2.0	1.0	5.0	85.25
8009-025-070	10629 NORWALK BLVD	88,426.80	2.03	2.0	2.0	1.0	5.0	85.25
8009-025-071	10747 NORWALK BLVD	111,513.60	2.56	2.0	2.0	1.0	5.0	85.25
8009-025-072	10711 NORWALK BLVD	137,214.00	3.15	2.0	2.0	1.0	5.0	85.25
8009-026-012	11900 TELEGRAPH RD	0.00	0.70	3.0	1.0	1.0	5.0	85.25
8009-026-018	11900 TELEGRAPH RD	10,049.29	0.23	1.0	0.5	1.0	2.5	42.62
8009-026-021	10100 PIONEER BLVD	0.00	1.17	0.0	0.0	0.0	3.0	51.15
8009-026-022	10200 PIONEER BLVD	31,794.44	0.73	0.0	0.0	0.0	5.0	85.25
8009-026-023	10330 PIONEER BLVD	0.00	0.86	0.0	0.0	0.0	3.0	51.15
8009-026-024	10310 PIONEER BLVD	33,114.31	0.76	0.0	0.0	0.0	5.0	85.25
8009-026-025	10410 PIONEER BLVD	23,308.96	0.54	0.0	0.0	0.0	5.0	85.25
8009-026-026	10400 PIONEER BLVD	35,331.52	0.81	0.0	0.0	0.0	5.0	85.25
8009-026-027	10430 PIONEER BLVD	25,574.08	0.59	0.0	0.0	0.0	5.0	85.25
8009-026-028	10420 PIONEER BLVD	22,337.57	0.51	0.0	0.0	0.0	5.0	85.25
8009-026-029	10440 PIONEER BLVD	34,673.76	0.80	0.0	0.0	0.0	5.0	85.25
8009-026-030	10450 PIONEER BLVD	35,592.88	0.82	0.0	0.0	0.0	5.0	85.25
8009-026-032	NO SITUS AVAILABLE	128,502.00	2.95	0.0	0.0	0.0	1.0	17.05
8011-001-032	10041 SHOEMAKER AVE	18,290.84	0.42	3.0	2.0	1.0	6.0	102.30
8011-001-034	10025 SHOEMAKER AVE	36,154.80	0.83	3.0	2.0	1.0	6.0	102.30
8011-001-036	10030 GREENLEAF AVE	20,037.60	0.46	3.0	2.0	1.0	6.0	102.30
8011-001-037	10004 GREENLEAF AVE	33,109.96	0.76	3.0	2.0	1.0	6.0	102.30
8011-001-038	12930 LOS NIETOS RD	35,274.89	0.81	3.0	2.0	1.0	6.0	102.30
8011-001-042	10040 GREENLEAF AVE	20,028.89	0.46	2.0	2.0	1.0	5.0	85.25
8011-001-043	10080 GREENLEAF AVE	39,639.60	0.91	2.0	2.0	1.0	5.0	85.25
8011-001-044	10101 SHOEMAKER AVE	14,806.04	0.34	3.0	2.0	1.0	6.0	102.30
8011-001-045	10105 SHOEMAKER AVE	14,806.04	0.34	3.0	2.0	1.0	6.0	102.30
8011-001-047	10100 GREENLEAF AVE	20,176.99	0.46	2.0	2.0	1.0	5.0	85.25
8011-001-048	10110 GREENLEAF AVE	12,122.75	0.28	3.0	2.0	1.0	6.0	102.30
8011-001-049	NO SITUS AVAILABLE	16,783.67	0.39	0.0	0.5	0.5	1.0	17.05

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8011-001-050	10109 SHOEMAKER AVE	17,898.80	0.41	3.0	2.0	1.0	6.0	102.30
8011-001-051	10125 SHOEMAKER AVE	14,753.77	0.34	3.0	2.0	1.0	6.0	102.30
8011-001-052	10226 GREENLEAF AVE	52,768.58	1.21	2.0	2.0	1.0	5.0	85.25
8011-001-053	NO SITUS AVAILABLE	10,153.84	0.23	0.0	0.5	0.5	1.0	17.05
8011-002-011	NO SITUS AVAILABLE	31,589.71	0.73	0.0	0.5	0.5	1.0	17.05
8011-002-012	10051 ROMANDEL AVE	31,258.66	0.72	0.0	0.5	0.5	1.0	17.05
8011-002-013	NO SITUS AVAILABLE	9,117.11	0.21	0.0	0.5	0.5	1.0	17.05
8011-002-014	NO SITUS AVAILABLE	3,776.65	0.09	0.0	0.5	0.5	1.0	17.05
8011-002-016	NO SITUS AVAILABLE	13,377.28	0.31	0.0	0.5	0.5	1.0	17.05
8011-002-018	10051 ROMANDEL AVE	174,240.00	4.00	0.0	0.5	0.5	1.0	17.05
8011-002-023	NO SITUS AVAILABLE	11,839.61	0.27	0.0	0.5	0.5	1.0	17.05
8011-004-030	10015 GREENLEAF AVE	88,853.69	2.04	2.0	2.0	1.0	5.0	85.25
8011-004-031	NO SITUS AVAILABLE	47,902.93	1.10	0.0	0.5	0.5	1.0	17.05
8011-004-032	12915 TELEGRAPH RD	36,363.89	0.83	3.0	2.0	1.0	6.0	102.30
8011-004-033	12929 TELEGRAPH RD	36,363.89	0.83	3.0	2.0	1.0	6.0	102.30
8011-004-035	10306 FREEMAN AVE	25,926.91	0.60	2.0	2.0	1.0	5.0	85.25
8011-004-036	10306 FREEMAN AVE	10,863.86	0.25	2.0	2.0	1.0	5.0	85.25
8011-004-037	10321 GREENLEAF AVE	35,139.85	0.81	2.0	2.0	1.0	5.0	85.25
8011-004-038	10321 GREENLEAF AVE	22,185.11	0.51	2.0	2.0	1.0	5.0	85.25
8011-004-039	10225 GREENLEAF AVE	35,897.80	0.82	2.0	2.0	1.0	5.0	85.25
8011-004-040	10250 FREEMAN AVE	26,514.97	0.61	2.0	2.0	1.0	5.0	85.25
8011-004-041	10244 FREEMAN AVE	33,667.52	0.77	2.0	2.0	1.0	5.0	85.25
8011-004-042	10215 GREENLEAF AVE	26,994.13	0.62	2.0	2.0	1.0	5.0	85.25
8011-004-043	NO SITUS AVAILABLE	20,015.82	0.46	0.0	0.5	0.5	1.0	17.05
8011-004-044	10230 FREEMAN AVE	34,795.73	0.80	2.0	2.0	1.0	5.0	85.25
8011-004-046	10103 GREENLEAF AVE	27,586.55	0.63	2.0	2.0	1.0	5.0	85.25
8011-004-049	10144 FREEMAN AVE	38,868.59	0.89	3.0	2.0	1.0	6.0	102.30
8011-004-050	10144 FREEMAN AVE	0.00	0.30	2.0	2.0	2.0	6.0	102.30
8011-004-051	10065 GREENLEAF AVE	36,085.10	0.83	3.0	2.0	1.0	6.0	102.30
8011-004-052	10122 FREEMAN AVE	49,331.70	1.13	2.0	2.0	1.0	5.0	85.25
8011-004-053	10051 GREENLEAF AVE	48,146.87	1.11	3.0	2.0	1.0	6.0	102.30
8011-004-054	10036 FREEMAN AVE	45,206.57	1.04	3.0	2.0	1.0	6.0	102.30
8011-004-055	NO SITUS AVAILABLE	14,496.77	0.33	0.0	0.5	0.5	1.0	17.05
8011-004-056	10020 FREEMAN AVE	38,158.56	0.88	2.0	2.0	1.0	5.0	85.25
8011-004-057	10035 GREENLEAF AVE	58,122.11	1.33	2.0	2.0	1.0	5.0	85.25
8011-004-058	NO SITUS AVAILABLE	23,653.08	0.54	0.0	0.5	0.5	1.0	17.05
8011-004-059	10115 GREENLEAF AVE	21,823.56	0.50	2.0	2.0	1.0	5.0	85.25
8011-004-060	10125 GREENLEAF AVE	20,603.88	0.47	2.0	2.0	1.0	5.0	85.25
8011-004-063	9920 FREEMAN AVE	74,487.60	1.71	2.0	2.0	1.0	5.0	85.25
8011-004-064	NO SITUS AVAILABLE	34,787.02	0.80	0.0	0.5	0.5	1.0	17.05
8011-004-065	12949 TELEGRAPH RD	0.00	0.87	1.0	1.0	1.0	3.0	51.15
8011-005-001	12956 LOS NIETOS RD	70,588.98	1.62	3.0	2.0	1.0	6.0	102.30
8011-005-002	13014 LOS NIETOS RD	30,492.00	0.70	3.0	2.0	1.0	6.0	102.30
8011-005-005	10114 SHOEMAKER AVE	84,502.04	1.94	2.0	2.0	1.0	5.0	85.25
8011-005-006	10142 SHOEMAKER AVE	46,373.98	1.06	3.0	2.0	1.0	6.0	102.30
8011-005-007	10134 SHOEMAKER AVE	36,586.04	0.84	3.0	2.0	1.0	6.0	102.30
8011-005-011	10144 SHOEMAKER AVE	66,489.98	1.53	3.0	2.0	1.0	6.0	102.30
8011-005-013	13007 TELEGRAPH RD	0.00	0.93	0.0	0.5	0.5	1.0	17.05
8011-005-015	13028 LOS NIETOS RD	16,112.84	0.37	2.0	2.0	2.0	6.0	102.30
8011-005-016	13036 LOS NIETOS RD	21,518.64	0.49	3.0	2.0	1.0	6.0	102.30
8011-005-018	13040 LOS NIETOS RD APT 000A	12,819.71	0.29	3.0	2.0	1.0	6.0	102.30
8011-005-019	NO SITUS AVAILABLE	4,991.98	0.11	1.0	0.5	1.0	2.5	42.62
8011-005-023	13031 TELEGRAPH RD	61,985.88	1.42	2.0	2.0	1.0	5.0	85.25
8011-005-024	13049 TELEGRAPH RD	61,741.94	1.42	2.0	2.0	1.0	5.0	85.25
8011-005-025	13157 TELEGRAPH RD	0.00	0.45	3.0	1.0	1.0	5.0	85.25
8011-005-030	13115 TELEGRAPH RD	74,052.00	1.70	2.0	2.0	1.0	5.0	85.25
8011-005-031	10205 PAINTER AVE	258,568.40	5.89	2.0	2.0	1.0	5.0	85.25
8011-005-032	10235 PAINTER AVE	64,468.80	1.48	2.0	2.0	1.0	5.0	85.25
8011-005-033	10329 PAINTER AVE	76,230.00	1.75	2.0	2.0	1.0	5.0	85.25
8011-005-034	10330 GREENLEAF AVE	84,506.40	1.94	0.0	0.0	0.0	1.0	17.05
8011-006-001	10320 PAINTER AVE	0.00	0.63	3.0	1.0	1.0	5.0	85.25
8011-006-008	10334 PAINTER AVE	0.00	0.48	1.0	1.0	1.0	3.0	51.15
8011-006-016	13245 TELEGRAPH RD	0.00	0.99	2.0	2.0	2.0	6.0	102.30
8011-006-017	13225 TELEGRAPH RD	0.00	0.86	3.0	1.0	1.0	5.0	85.25
8011-006-018	NO SITUS AVAILABLE	17,419.64	0.40	1.0	0.5	1.0	2.5	42.62
8011-006-019	13203 TELEGRAPH RD	16,422.12	0.38	0.0	0.0	0.0	4.0	68.20
8011-007-013	10207 FREEMAN AVE	21,335.69	0.49	3.0	2.0	1.0	6.0	102.30
8011-007-014	NO SITUS AVAILABLE	21,997.80	0.51	0.0	0.5	0.5	1.0	17.05
8011-007-015	10141 FREEMAN AVE	28,888.99	0.66	3.0	2.0	1.0	6.0	102.30
8011-007-022	10015 FREEMAN AVE	23,918.80	0.55	2.0	2.0	1.0	5.0	85.25
8011-007-023	10015 FREEMAN AVE	5,392.73	0.12	2.0	2.0	1.0	5.0	85.25
8011-007-024	10005 FREEMAN AVE	35,693.06	0.82	3.0	2.0	1.0	6.0	102.30
8011-007-025	10005 FREEMAN AVE	11,695.86	0.27	0.0	0.5	0.5	1.0	17.05
8011-007-026	NO SITUS AVAILABLE	4,891.79	0.11	0.0	0.5	0.5	1.0	17.05
8011-007-027	NO SITUS AVAILABLE	28,496.95	0.65	0.0	0.5	0.5	1.0	17.05
8011-007-028	NO SITUS AVAILABLE	62,791.74	1.44	0.0	0.5	0.5	1.0	17.05
8011-007-029	NO SITUS AVAILABLE	48,464.86	1.11	0.0	0.5	0.5	1.0	17.05
8011-007-030	10016 ROMANDEL AVE	29,193.91	0.67	2.0	2.0	1.0	5.0	85.25
8011-007-033	10046 ROMANDEL AVE	32,413.00	0.74	3.0	2.0	1.0	6.0	102.30
8011-007-034	10106 ROMANDEL AVE	20,995.92	0.48	3.0	2.0	1.0	6.0	102.30
8011-007-035	10124 ROMANDEL AVE	24,798.71	0.57	3.0	2.0	1.0	6.0	102.30
8011-007-036	10140 ROMANDEL AVE	21,566.56	0.50	3.0	2.0	1.0	6.0	102.30
8011-007-037	NO SITUS AVAILABLE	15,868.91	0.36	0.0	0.5	0.5	1.0	17.05
8011-007-038	NO SITUS AVAILABLE	47,144.99	1.08	0.0	0.5	0.5	1.0	17.05
8011-007-039	NO SITUS AVAILABLE	71,394.84	1.64	0.0	0.5	0.5	1.0	17.05
8011-007-040	NO SITUS AVAILABLE	58,893.12	1.35	0.0	0.5	0.5	1.0	17.05
8011-007-041	NO SITUS AVAILABLE	19,414.69	0.45	0.0	0.5	0.5	1.0	17.05

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8011-007-042	9921 ROMANDEL AVE	79,945.67	1.84	0.0	0.0	0.0	9.99321	170.38
8011-007-043	NO SITUS AVAILABLE	57,743.14	1.33	0.0	0.5	0.5	1.0	17.05
8011-007-044	9831 ROMANDEL AVE	39,617.82	0.91	2.0	2.0	1.0	5.0	85.25
8011-007-045	NO SITUS AVAILABLE	37,905.91	0.87	2.0	2.0	1.0	5.0	85.25
8011-007-046	12636 LOS NIETOS RD	22,097.99	0.51	0.0	0.5	0.5	1.0	17.05
8011-007-047	NO SITUS AVAILABLE	29,337.66	0.67	0.0	0.5	0.5	1.0	17.05
8011-007-048	NO SITUS AVAILABLE	9,949.10	0.23	0.0	0.5	0.5	1.0	17.05
8011-007-049	10024 ROMANDEL AVE	45,206.57	1.04	2.0	2.0	1.0	5.0	85.25
8011-007-050	10111 FREEMAN AVE	44,095.79	1.01	2.0	2.0	1.0	5.0	85.25
8011-007-051	10125 FREEMAN AVE	26,876.52	0.62	2.0	2.0	1.0	5.0	85.25
8011-007-052	10031 FREEMAN AVE	23,796.83	0.55	2.0	2.0	1.0	5.0	85.25
8011-007-054	12828 ROMANDEL AVE	101,930.40	2.34	2.0	2.0	1.0	5.0	85.25
8011-007-055	12803 TELEGRAPH RD	118,918.80	2.73	2.0	2.0	1.0	5.0	85.25
8011-009-064	10717 CARMENITA ROAD	0.00	1.73	0.0	0.0	0.0	4.0	68.20
8011-012-001	10702 PAINTER AVE	35,997.98	0.83	3.0	2.0	1.0	6.0	102.30
8011-012-023	10910 PAINTER AVE	32,730.98	0.75	3.0	2.0	1.0	6.0	102.30
8011-012-034	10847 LAUREL AVE	15,881.98	0.36	3.0	2.0	1.0	6.0	102.30
8011-012-040	10905 LAUREL AVE	70,902.61	1.63	3.0	2.0	1.0	6.0	102.30
8011-012-042	10920 PAINTER AVE	17,371.73	0.40	3.0	2.0	1.0	6.0	102.30
8011-012-043	10926 PAINTER AVE	17,371.73	0.40	3.0	2.0	1.0	6.0	102.30
8011-012-044	10934 PAINTER AVE	17,371.73	0.40	3.0	2.0	1.0	6.0	102.30
8011-012-048	13205 LAKELAND RD	11,377.87	0.26	3.0	2.0	1.0	6.0	102.30
8011-012-049	13215 LAKELAND RD	10,532.81	0.24	3.0	2.0	1.0	6.0	102.30
8011-012-050	13221 LAKELAND RD	10,532.81	0.24	3.0	2.0	1.0	6.0	102.30
8011-012-053	10841 LAUREL AVE	15,842.77	0.36	3.0	2.0	1.0	6.0	102.30
8011-012-061	10720 PAINTER AVE	52,707.60	1.21	2.0	2.0	1.0	5.0	85.25
8011-012-062	13233 FLORENCE AVE	34,403.69	0.79	2.0	2.0	1.0	5.0	85.25
8011-012-063	13245 FLORENCE AVE	29,180.84	0.67	2.0	2.0	1.0	5.0	85.25
8011-012-064	NO SITUS AVAILABLE	40,070.84	0.92	0.0	0.5	0.5	1.0	17.05
8011-012-067	10706 PAINTER AVE	0.00	2.27	1.0	1.0	1.0	3.0	51.15
8011-012-068	10770 PAINTER AVE	23,958.00	0.55	3.0	2.0	1.0	6.0	102.30
8011-012-069	13210 FLORENCE AVE	0.00	0.45	1.0	1.0	1.0	3.0	51.15
8011-012-070	10756 PAINTER AVE	51,400.80	1.18	2.0	2.0	1.0	5.0	85.25
8011-012-073	13250 FLORENCE AVE	27,878.40	0.64	2.0	2.0	1.0	5.0	85.25
8011-012-074	10765 LAUREL AVE	36,154.80	0.83	2.0	2.0	1.0	5.0	85.25
8011-012-076	10810 PAINTER AVE	212,137.20	4.87	0.0	0.0	0.0	6.0	102.30
8011-012-079	10900 PAINTER AVE	174,675.60	4.01	0.0	0.0	0.0	6.0	102.30
8011-013-007	10600 PAINTER AVE	0.00	1.19	1.0	1.0	1.0	3.0	51.15
8011-013-011	10648 PAINTER AVE	83,156.04	1.91	2.0	2.0	1.0	5.0	85.25
8011-013-017	13210 TELEGRAPH RD	0.00	3.96	0.0	0.5	0.5	1.0	17.05
8011-013-019	10630 PAINTER AVE	67,857.77	1.56	2.0	2.0	1.0	5.0	85.25
8011-013-020	10638 PAINTER AVE	74,870.93	1.72	2.0	2.0	1.0	5.0	85.25
8011-013-024	13372 TELEGRAPH RD	0.00	0.54	1.0	1.0	1.0	3.0	51.15
8011-013-026	NO SITUS AVAILABLE	35,192.12	0.81	0.0	0.5	0.5	1.0	17.05
8011-013-030	10532 PAINTER AVE	72,749.56	1.67	3.0	2.0	1.0	6.0	102.30
8011-013-037	10518 PAINTER AVE	24,419.74	0.56	2.0	2.0	1.0	5.0	85.25
8011-013-038	10610 PAINTER AVE	79,714.80	1.83	3.0	2.0	1.0	6.0	102.30
8011-013-050	10525 CARMENITA RD	0.00	0.49	3.0	1.0	1.0	5.0	85.25
8011-013-057	10551 CARMENITA RD	13,651.70	0.31	0.0	0.0	0.0	8.0	136.40
8011-013-066	10621 CARMENITA RD	190,792.80	4.38	0.0	0.0	0.0	27.66496	471.68
8011-013-067	NO SITUS AVAILABLE	48,351.60	1.11	0.0	0.5	0.5	1.0	17.05
8011-013-068	NO SITUS AVAILABLE	0.00	0.94	0.0	0.5	0.5	1.0	17.05
8011-013-071	13310 TELEGRAPH RD	419,918.40	9.64	0.0	0.0	0.0	60.88817	1,038.14
8011-013-072	13332 TELEGRAPH RD	121,532.40	2.79	0.0	0.0	0.0	17.6222	300.45
8011-013-073	NO SITUS AVAILABLE	20,468.84	0.47	0.0	0.0	0.0	8.0	136.40
8011-013-074	NO SITUS AVAILABLE	9,539.64	0.22	0.0	0.0	0.0	8.0	136.40
8011-013-075	13330 TELEGRAPH RD	34,660.69	0.80	0.0	0.0	0.0	8.0	136.40
8011-013-076	13360 TELEGRAPH RD	39,940.16	0.92	0.0	0.0	0.0	8.0	136.40
8011-013-077	NO SITUS AVAILABLE	120,225.60	2.76	0.0	0.0	0.0	17.43271	297.22
8011-013-078	13334 TELEGRAPH RD	90,169.20	2.07	0.0	0.0	0.0	13.07453	222.92
8011-013-079	NO SITUS AVAILABLE	1,341.65	0.03	0.0	0.0	0.0	8.0	136.40
8011-013-080	NO SITUS AVAILABLE	17,689.72	0.41	0.0	0.0	0.0	8.0	136.40
8011-013-081	NO SITUS AVAILABLE	47,480.40	1.09	0.0	0.0	0.0	8.0	136.40
8011-013-082	10603 CARMENITA RD	14,810.40	0.34	0.0	0.0	0.0	8.0	136.40
8011-013-083	10603 CARMENITA ROAD	135,036.00	3.10	0.0	0.0	0.0	19.58022	333.84
8011-013-084	NO SITUS AVAILABLE	7,788.53	0.18	0.0	0.0	0.0	8.0	136.40
8011-013-085	10639 CARMENITA RD	18,181.94	0.42	0.0	0.0	0.0	8.0	136.40
8011-014-002	10621 PAINTER AVE	30,640.10	0.70	3.0	2.0	1.0	6.0	102.30
8011-014-003	10609 PAINTER AVE	30,979.87	0.71	2.0	2.0	1.0	5.0	85.25
8011-014-017	13020 TELEGRAPH RD	69,617.59	1.60	2.0	2.0	1.0	5.0	85.25
8011-014-020	10525 PAINTER AVE	11,020.68	0.25	3.0	2.0	1.0	6.0	102.30
8011-014-021	10531 PAINTER AVE	11,020.68	0.25	3.0	2.0	1.0	6.0	102.30
8011-014-023	13112 TELEGRAPH RD	131,986.80	3.03	3.0	2.0	1.0	6.0	102.30
8011-014-026	13160 TELEGRAPH RD	0.00	0.68	3.0	1.0	1.0	5.0	85.25
8011-014-028	13006 PARK ST	16,979.69	0.39	2.0	2.0	1.0	5.0	85.25
8011-014-029	13018 PARK ST	16,883.86	0.39	2.0	2.0	1.0	5.0	85.25
8011-014-030	13032 PARK ST	14,801.69	0.34	2.0	2.0	1.0	5.0	85.25
8011-014-031	13044 PARK ST	22,050.10	0.52	3.0	2.0	1.0	6.0	102.30
8011-014-032	13045 PARK ST	22,646.84	0.52	2.0	2.0	1.0	5.0	85.25
8011-014-033	13033 PARK ST	14,801.69	0.34	2.0	2.0	1.0	5.0	85.25
8011-014-034	13019 PARK ST	16,883.86	0.39	2.0	2.0	1.0	5.0	85.25
8011-014-035	13007 PARK ST	16,979.69	0.39	2.0	2.0	1.0	5.0	85.25
8011-014-036	13090 PARK ST	13,760.60	0.32	2.0	2.0	1.0	5.0	85.25
8011-014-037	13080 PARK ST	12,845.84	0.29	2.0	2.0	1.0	5.0	85.25
8011-014-038	13070 PARK ST	8,576.96	0.20	2.0	2.0	1.0	5.0	85.25
8011-014-039	13060 PARK ST	22,032.65	0.51	2.0	2.0	1.0	5.0	85.25
8011-014-040	13065 PARK ST	33,319.04	0.76	2.0	2.0	1.0	5.0	85.25

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8011-014-041	13075 PARK ST	12,845.84	0.29	2.0	2.0	1.0	5.0	85.25
8011-014-042	13085 PARK ST	9,700.81	0.22	2.0	2.0	1.0	5.0	85.25
8011-014-043	13095 PARK ST	10,105.92	0.23	2.0	2.0	1.0	5.0	85.25
8011-014-044	10506 SHOEMAKER AVE	206,470.04	4.74	2.0	2.0	1.0	5.0	85.25
8011-014-045	10634 SHOEMAKER AVE	178,596.00	4.10	2.0	2.0	1.0	5.0	85.25
8011-014-047	10545 PAINTER AVE	20,699.71	0.48	3.0	2.0	1.0	6.0	102.30
8011-014-048	10600 SHOEMAKER AVE	206,474.40	4.74	2.0	2.0	1.0	5.0	85.25
8011-014-049	13040 TELEGRAPH RD	36,416.16	0.84	3.0	2.0	1.0	6.0	102.30
8011-014-050	13030 TELEGRAPH RD	36,416.16	0.84	3.0	2.0	1.0	6.0	102.30
8011-014-051	10603 PAINTER AVE	20,651.80	0.47	2.0	2.0	1.0	5.0	85.25
8011-014-052	10603 PAINTER AVE	20,651.80	0.47	2.0	2.0	1.0	5.0	85.25
8011-014-054	13195 FLORES ST	20,059.38	0.46	0.0	0.0	0.0	6.0	102.30
8011-014-055	13189 FLORES ST	17,031.96	0.39	0.0	0.0	0.0	6.0	102.30
8011-014-056	13181 FLORES ST	18,909.40	0.43	0.0	0.0	0.0	6.0	102.30
8011-014-057	13163 FLORES ST	21,949.88	0.50	0.0	0.0	0.0	6.0	102.30
8011-014-058	13157 FLORES ST	34,190.24	0.78	0.0	0.0	0.0	6.0	102.30
8011-014-059	13168 FLORES ST	46,391.40	1.07	0.0	0.0	0.0	6.0	102.30
8011-014-060	13182 FLORES ST	27,399.24	0.63	0.0	0.0	0.0	6.0	102.30
8011-014-061	13188 FLORES ST	44,213.40	1.02	0.0	0.0	0.0	6.0	102.30
8011-014-062	13197 SANDOVAL ST	21,649.32	0.50	0.0	0.0	0.0	6.0	102.30
8011-014-063	13187 SANDOVAL ST	18,029.48	0.41	0.0	0.0	0.0	6.0	102.30
8011-014-064	13179 SANDOVAL ST	15,198.08	0.35	0.0	0.0	0.0	6.0	102.30
8011-014-065	13165 SANDOVAL ST	31,681.19	0.73	0.0	0.0	0.0	6.0	102.30
8011-014-066	NO SITUS AVAILABLE	15,838.42	0.36	0.0	0.0	0.0	6.0	102.30
8011-014-067	13198 SANDOVAL ST	16,361.14	0.38	0.0	0.0	0.0	6.0	102.30
8011-014-068	13198 SANDOVAL ST	5,776.06	0.13	0.0	0.0	0.0	6.0	102.30
8011-014-069	13188 SANDOVAL ST	13,608.14	0.31	0.0	0.0	0.0	6.0	102.30
8011-014-070	13188 SANDOVAL ST	4,425.70	0.10	0.0	0.0	0.0	6.0	102.30
8011-014-071	13178 SANDOVAL ST	10,950.98	0.25	0.0	0.0	0.0	6.0	102.30
8011-014-072	13178 SANDOVAL ST	4,255.81	0.10	0.0	0.0	0.0	6.0	102.30
8011-014-073	13168 SANDOVAL ST	25,238.66	0.58	0.0	0.0	0.0	6.0	102.30
8011-014-074	13168 SANDOVAL ST	6,242.15	0.14	0.0	0.0	0.0	6.0	102.30
8011-014-076	NO SITUS AVAILABLE	4,599.94	0.11	0.0	0.0	0.0	2.0	34.10
8011-015-002	10907 PAINTER AVE	117,612.00	2.70	2.0	2.0	1.0	5.0	85.25
8011-015-004	10847 PAINTER AVE	33,292.91	0.76	0.0	0.5	0.5	1.0	17.05
8011-015-005	10805 PAINTER AVE	205,598.84	4.72	3.0	2.0	1.0	6.0	102.30
8011-015-014	13037 LAKELAND RD	40,131.83	0.92	2.0	2.0	1.0	5.0	85.25
8011-015-015	13047 LAKELAND RD	40,942.04	0.94	2.0	2.0	1.0	5.0	85.25
8011-015-017	10729 PAINTER AVE	21,523.00	0.49	3.0	2.0	1.0	6.0	102.30
8011-015-018	10719 PAINTER AVE	13,987.12	0.32	3.0	2.0	1.0	6.0	102.30
8011-015-019	10733 PAINTER AVE	13,664.77	0.31	3.0	2.0	1.0	6.0	102.30
8011-015-023	NO SITUS AVAILABLE	99,748.04	2.29	1.0	0.5	1.0	2.5	42.62
8011-015-028	10931 PAINTER AVE	0.00	1.26	2.0	2.0	2.0	6.0	102.30
8011-015-029	10947 PAINTER AVE	51,805.91	1.19	3.0	2.0	1.0	6.0	102.30
8011-015-035	10918 SHOEMAKER AVE	49,789.08	1.14	0.0	0.0	0.0	8.0	136.40
8011-015-036	10936 SHOEMAKER AVE	49,789.08	1.14	0.0	0.0	0.0	8.0	136.40
8011-015-038	10902 SHOEMAKER AVE	49,789.08	1.14	3.0	2.0	1.0	6.0	102.30
8011-015-039	10910 SHOEMAKER AVE	49,789.08	1.14	0.0	0.5	0.5	1.0	17.05
8011-015-041	10765 PAINTER AVE	113,996.52	2.62	0.0	0.5	0.5	1.0	17.05
8011-015-049	10826 SHOEMAKER AVE	99,748.04	2.29	3.0	2.0	1.0	6.0	102.30
8011-015-052	13039 FLORENCE AVE	25,691.69	0.59	2.0	2.0	1.0	5.0	85.25
8011-015-054	13050 FLORENCE AVE	30,927.60	0.71	2.0	2.0	1.0	5.0	85.25
8011-015-055	13030 FLORENCE AVE	20,908.80	0.48	2.0	2.0	1.0	5.0	85.25
8011-015-056	13010 FLORENCE AVE	12,623.69	0.29	2.0	2.0	1.0	5.0	85.25
8011-015-057	13003 LA DANA CT	9,883.76	0.23	2.0	2.0	1.0	5.0	85.25
8011-015-058	13017 LA DANA CT	8,097.80	0.19	2.0	2.0	1.0	5.0	85.25
8011-015-059	13023 LA DANA CT	15,246.00	0.35	2.0	2.0	1.0	5.0	85.25
8011-015-060	13022 LA DANA CT	12,453.80	0.29	2.0	2.0	1.0	5.0	85.25
8011-015-061	13016 LA DANA CT	7,535.88	0.17	2.0	2.0	1.0	5.0	85.25
8011-015-062	13002 LA DANA CT	8,794.76	0.20	2.0	2.0	1.0	5.0	85.25
8011-015-063	13007 LAKELAND RD	16,073.64	0.37	2.0	2.0	1.0	5.0	85.25
8011-015-064	13011 FLORENCE AVE	26,136.00	0.60	2.0	2.0	1.0	5.0	85.25
8011-015-065	13021 FLORENCE AVE	23,086.80	0.53	2.0	2.0	1.0	5.0	85.25
8011-015-066	10704 SHOEMAKER AVE	98,619.84	2.26	0.0	0.0	0.0	14.79298	252.22
8011-015-067	10725 PAINTER AVE	110,206.80	2.53	2.0	2.0	1.0	5.0	85.25
8011-015-068	NO SITUS AVAILABLE	51,000.05	1.17	0.0	0.5	0.5	1.0	17.05
8011-015-069	10725 PAINTER AVE	69,874.60	1.60	3.0	2.0	1.0	6.0	102.30
8011-015-070	10725 PAINTER AVE	21,466.37	0.49	1.0	0.5	0.5	2.0	34.10
8011-015-071	NO SITUS AVAILABLE	35,645.15	0.82	0.0	0.5	0.5	1.0	17.05
8011-015-072	13151 FLORENCE AVE	11,325.60	0.26	2.0	2.0	1.0	5.0	85.25
8011-015-073	13105 LAKELAND RD	63,597.60	1.46	3.0	2.0	1.0	6.0	102.30
8011-015-074	13123 LAKELAND RD	31,127.98	0.71	3.0	2.0	1.0	6.0	102.30
8011-015-076	NO SITUS AVAILABLE	8,576.96	0.20	0.0	0.0	0.0	8.0	136.40
8011-015-077	13021 LAKELAND RD	0.00	0.22	1.0	1.0	1.0	3.0	51.15
8011-015-080	10847 PAINTER AVE	55,199.23	1.27	0.0	0.0	0.0	8.0	136.40
8011-016-016	10825 SHOEMAKER AVE	103,232.84	2.37	2.0	2.0	1.0	5.0	85.25
8011-016-017	10811 SHOEMAKER AVE NO 10813	49,654.04	1.14	2.0	2.0	1.0	5.0	85.25
8011-016-018	12922 FLORENCE AVE	45,738.00	1.05	2.0	2.0	1.0	5.0	85.25
8011-016-022	12739 LAKELAND RD	158,558.40	3.64	0.0	0.0	0.0	23.78376	405.51
8011-016-023	12903 LAKELAND RD	928,699.20	21.32	0.0	0.0	0.0	139.30488	2,375.14
8011-016-026	12661 CORRAL PL	56,628.00	1.30	0.0	0.0	0.0	5.0	85.25
8011-016-027	12681 CORRAL PL	197,326.80	4.53	0.0	0.0	0.0	5.0	85.25
8011-016-028	NO SITUS AVAILABLE	22,651.20	0.52	0.0	0.0	0.0	1.0	17.05
8011-016-030	12662 CORRAL PL	61,855.20	1.42	0.0	0.0	0.0	5.0	85.25
8011-016-033	10818 BLOOMFIELD AVE	87,991.20	2.02	0.0	0.0	0.0	5.0	85.25
8011-016-034	10838 BLOOMFIELD AVE	48,787.20	1.12	0.0	0.0	0.0	5.0	85.25
8011-016-035	10928 BLOOMFIELD AVE	54,885.60	1.26	0.0	0.0	0.0	5.0	85.25

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8011-016-036	10988 BLOOMFIELD AVE	108,900.00	2.50	0.0	0.0	0.0	5.0	85.25
8011-017-015	NO SITUS AVAILABLE	170,319.60	3.91	0.0	0.5	0.5	1.0	17.05
8011-017-016	12940 TELEGRAPH RD	0.00	0.92	1.0	1.0	1.0	3.0	51.15
8011-017-017	12906 TELEGRAPH RD	63,231.70	1.45	2.0	2.0	1.0	5.0	85.25
8011-017-018	12963 PARK ST	73,267.92	1.68	2.0	2.0	1.0	5.0	85.25
8011-017-019	12935 PARK ST	49,654.04	1.14	2.0	2.0	1.0	5.0	85.25
8011-017-020	12917 PARK ST	19,083.64	0.44	2.0	2.0	1.0	5.0	85.25
8011-017-021	12966 PARK ST	25,412.90	0.58	2.0	2.0	1.0	5.0	85.25
8011-017-022	12946 PARK ST	19,602.00	0.45	2.0	2.0	1.0	5.0	85.25
8011-017-023	12920 PARK ST	23,269.75	0.53	2.0	2.0	1.0	5.0	85.25
8011-017-024	12908 PARK ST	20,024.53	0.46	2.0	2.0	1.0	5.0	85.25
8011-017-025	12902 PARK ST	122,403.60	2.81	2.0	2.0	1.0	5.0	85.25
8011-017-033	NO SITUS AVAILABLE	34,848.00	0.80	0.0	0.5	0.5	1.0	17.05
8011-017-034	12720 TELEGRAPH ROAD	902,127.60	20.71	0.0	0.5	0.5	1.0	17.05
8011-017-035	NO SITUS AVAILABLE	9,413.32	0.22	0.0	0.0	0.0	5.0	56.83
8011-017-036	NO SITUS AVAILABLE	1,280.66	0.03	0.0	0.0	0.0	5.0	56.83
8011-017-037	NO SITUS AVAILABLE	9,230.36	0.21	0.0	0.0	0.0	5.0	56.83
8011-017-053	10747 PATTERSON PL	27,007.20	0.62	0.0	0.5	0.5	1.0	17.05
8011-017-054	10747 PATTERSON PL	460,864.80	10.58	0.0	0.0	0.0	57.6081	982.21
8011-017-061	12839 FLORENCE AVE	106,286.40	2.44	2.0	2.0	1.0	5.0	85.25
8011-017-062	10749 SHOEMAKER AVE	151,153.20	3.47	2.0	2.0	1.0	5.0	85.25
8011-017-063	12928 SANDOVAL ST	415,562.40	9.54	2.0	2.0	1.0	5.0	85.25
8011-017-064	NO SITUS AVAILABLE	96,145.63	2.21	0.0	0.5	0.5	1.0	17.05
8011-017-065	12909 SANDOVAL ST	238,273.20	5.47	2.0	2.0	1.0	5.0	85.25
8011-017-066	12976 SANDOVAL ST	170,755.20	3.92	2.0	2.0	1.0	5.0	85.25
8011-017-067	10715 SHOEMAKER AVE	283,140.00	6.50	2.0	2.0	1.0	5.0	85.25
8011-017-069	12965 SANDOVAL ST	158,558.40	3.64	0.0	0.0	0.0	5.0	85.25
8011-017-070	12979 SANDOVAL ST	125,017.20	2.87	0.0	0.0	0.0	5.0	85.25
8011-020-017	12645 CLARK ST	82,764.00	1.90	0.0	0.0	0.0	12.4146	211.66
8011-020-020	12636 CLARK ST	66,646.80	1.53	2.0	2.0	1.0	5.0	85.25
8011-020-026	12643 EMMENS WAY	60,984.00	1.40	2.0	2.0	1.0	5.0	85.25
8011-020-034	12633 CLARK ST	51,400.80	1.18	2.0	2.0	1.0	5.0	85.25
8011-020-035	12648 CLARK ST	89,298.00	2.05	2.0	2.0	1.0	5.0	85.25
8011-020-040	12605 CLARK ST	109,771.20	2.52	2.0	2.0	1.0	5.0	85.25
8011-020-041	10652 BLOOMFIELD AVE	134,164.80	3.08	2.0	2.0	1.0	5.0	85.25
8011-020-044	12612 CLARK ST	28,736.53	0.66	0.0	0.5	0.5	1.0	17.05
8011-020-045	10606 BLOOMFIELD AVE	48,787.20	1.12	2.0	2.0	1.0	5.0	85.25
8011-021-028	10712 BLOOMFIELD AVE	86,684.40	1.99	2.0	2.0	1.0	5.0	85.25
8011-021-029	10736 BLOOMFIELD AVE	72,745.20	1.67	2.0	2.0	1.0	5.0	85.25
8025-001-014	11212 NORWALK BLVD	92,486.59	2.12	0.0	0.5	0.5	1.0	17.05
8025-001-015	11234 NORWALK BLVD	20,246.69	0.46	0.0	0.0	0.0	8.0	136.40
8025-001-016	11318 NORWALK BLVD	0.00	1.12	2.0	1.0	1.0	4.0	68.20
8025-001-019	NO SITUS AVAILABLE	13,124.63	0.30	0.0	0.5	0.5	1.0	17.05
8025-001-021	11204 NORWALK BLVD	654,271.20	15.02	2.0	2.0	1.0	5.0	85.25
8025-002-007	11120 NORWALK BLVD	118,047.60	2.71	3.0	2.0	1.0	6.0	102.30
8025-002-013	12450 LAKELAND RD	21,239.86	0.49	3.0	2.0	1.0	6.0	102.30
8025-002-014	11007 FOREST PL	21,130.96	0.49	2.0	2.0	1.0	5.0	85.25
8025-002-015	11023 FOREST PL	25,913.84	0.59	2.0	2.0	1.0	5.0	85.25
8025-002-016	11033 FOREST PL	24,641.89	0.57	2.0	2.0	1.0	5.0	85.25
8025-002-017	11043 FOREST PL	56,183.69	1.29	3.0	2.0	1.0	6.0	102.30
8025-002-018	11042 FOREST PL	52,272.00	1.20	2.0	2.0	1.0	5.0	85.25
8025-002-019	11034 FOREST PL	24,397.96	0.56	2.0	2.0	1.0	5.0	85.25
8025-002-020	11022 FOREST PL	23,979.78	0.55	2.0	2.0	1.0	5.0	85.25
8025-002-021	12516 LAKELAND RD	19,501.81	0.45	2.0	2.0	1.0	5.0	85.25
8025-002-022	12522 LAKELAND RD	19,649.92	0.45	2.0	2.0	1.0	5.0	85.25
8025-002-023	11015 BLOOMFIELD AVE	0.00	2.50	1.0	1.0	1.0	3.0	51.15
8025-002-025	12434 LAKELAND RD	599,821.20	13.77	2.0	2.0	1.0	5.0	85.25
8025-002-026	12300 LAKELAND RD	365,904.00	8.40	3.0	2.0	1.0	6.0	102.30
8026-001-008	11200 GREENSTONE AVE	32,230.04	0.74	3.0	2.0	1.0	6.0	102.30
8026-001-009	11212 GREENSTONE AVE	33,536.84	0.77	3.0	2.0	1.0	6.0	102.30
8026-001-011	11100 GREENSTONE AVE	49,654.04	1.14	3.0	2.0	1.0	6.0	102.30
8026-001-012	11118 GREENSTONE AVE	19,162.04	0.44	3.0	2.0	1.0	6.0	102.30
8026-001-013	11126 GREENSTONE AVE	16,112.84	0.37	3.0	2.0	1.0	6.0	102.30
8026-001-019	12740 LAKELAND RD	133,293.60	3.06	3.0	2.0	1.0	6.0	102.30
8026-001-020	12758 LAKELAND RD	29,620.80	0.68	3.0	2.0	1.0	6.0	102.30
8026-001-021	12814 LAKELAND RD	29,620.80	0.68	3.0	2.0	1.0	6.0	102.30
8026-001-022	12820 LAKELAND RD	35,283.60	0.81	2.0	2.0	1.0	5.0	85.25
8026-001-023	12880 LAKELAND RD	40,942.04	0.94	2.0	2.0	1.0	5.0	85.25
8026-001-024	12900 LAKELAND RD	20,394.79	0.47	3.0	2.0	1.0	6.0	102.30
8026-001-025	12912 LAKELAND RD	20,468.84	0.47	3.0	2.0	1.0	6.0	102.30
8026-001-026	12924 LAKELAND RD	12,745.66	0.29	3.0	2.0	1.0	6.0	102.30
8026-001-027	12930 LAKELAND RD	12,614.98	0.29	3.0	2.0	1.0	6.0	102.30
8026-001-028	11017 LOCKPORT PL	12,597.55	0.29	3.0	2.0	1.0	6.0	102.30
8026-001-029	11029 LOCKPORT PL	11,952.86	0.27	3.0	2.0	1.0	6.0	102.30
8026-001-030	11037 LOCKPORT PL	29,294.10	0.67	2.0	2.0	1.0	5.0	85.25
8026-001-031	11034 LOCKPORT PL	30,082.54	0.69	2.0	2.0	1.0	5.0	85.25
8026-001-032	11024 LOCKPORT PL	12,161.95	0.28	2.0	2.0	1.0	5.0	85.25
8026-001-033	11018 LOCKPORT PL	13,298.87	0.31	3.0	2.0	1.0	6.0	102.30
8026-001-034	12950 LAKELAND RD	12,614.98	0.29	3.0	2.0	1.0	6.0	102.30
8026-001-035	12958 LAKELAND RD	12,048.70	0.28	2.0	2.0	1.0	5.0	85.25
8026-001-036	12966 LAKELAND RD	12,222.94	0.28	2.0	2.0	1.0	5.0	85.25
8026-001-037	12972 LAKELAND RD	12,601.91	0.29	2.0	2.0	1.0	5.0	85.25
8026-001-038	11017 SHOEMAKER AVE	13,351.14	0.31	2.0	2.0	1.0	5.0	85.25
8026-001-039	11025 SHOEMAKER AVE	13,311.94	0.31	2.0	2.0	1.0	5.0	85.25
8026-001-040	11031 SHOEMAKER AVE	27,089.96	0.62	2.0	2.0	1.0	5.0	85.25
8026-001-048	12960 SUNNYSIDE PL	22,646.84	0.52	2.0	2.0	1.0	5.0	85.25
8026-001-049	12961 SUNNYSIDE PL	22,646.84	0.52	2.0	2.0	1.0	5.0	85.25

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8026-001-050	12951 SUNNYSIDE PL	22,215.60	0.51	2.0	2.0	1.0	5.0	85.25
8026-001-051	12941 SUNNYSIDE PL	38,764.04	0.89	2.0	2.0	1.0	5.0	85.25
8026-001-052	12931 SUNNYSIDE PL	19,162.04	0.44	2.0	2.0	1.0	5.0	85.25
8026-001-053	12921 SUNNYSIDE PL	27,874.04	0.64	2.0	2.0	1.0	5.0	85.25
8026-001-054	12920 SUNNYSIDE PL	19,162.04	0.44	2.0	2.0	1.0	5.0	85.25
8026-001-055	12930 SUNNYSIDE PL	36,586.04	0.84	2.0	2.0	1.0	5.0	85.25
8026-001-056	12940 SUNNYSIDE PL	23,518.04	0.54	2.0	2.0	1.0	5.0	85.25
8026-001-057	11323 SHOEMAKER AVE	28,000.37	0.64	2.0	2.0	1.0	5.0	85.25
8026-001-058	11323 SHOEMAKER AVE	19,040.08	0.44	2.0	2.0	1.0	5.0	85.25
8026-001-059	11307 SHOEMAKER AVE	19,628.14	0.45	2.0	2.0	1.0	5.0	85.25
8026-001-060	11307 SHOEMAKER AVE	17,829.11	0.41	2.0	2.0	1.0	5.0	85.25
8026-001-061	11217 SHOEMAKER AVE	19,671.70	0.45	2.0	2.0	1.0	5.0	85.25
8026-001-062	11217 SHOEMAKER AVE	17,789.90	0.41	2.0	2.0	1.0	5.0	85.25
8026-001-063	NO SITUS AVAILABLE	27,238.07	0.63	0.0	0.5	0.5	1.0	17.05
8026-001-064	NO SITUS AVAILABLE	17,628.73	0.40	0.0	0.5	0.5	1.0	17.05
8026-001-067	11211 GREENSTONE AVE	440,827.20	10.12	0.0	0.0	0.0	55,1034	939.51
8026-001-068	11333 GREENSTONE AVE	412,948.80	9.48	2.0	2.0	1.0	5.0	85.25
8026-001-069	11020 BLOOMFIELD AVE	209,088.00	4.80	2.0	2.0	1.0	5.0	85.25
8026-001-070	11130 BLOOMFIELD AVE	441,079.85	10.13	2.0	2.0	1.0	5.0	85.25
8026-001-071	11320 BLOOMFIELD AVE	263,646.90	6.05	2.0	2.0	1.0	5.0	85.25
8026-002-011	11010 SHOEMAKER AVE	44,814.53	1.03	2.0	2.0	1.0	5.0	85.25
8026-002-014	11106 SHOEMAKER AVE	35,884.73	0.82	2.0	2.0	1.0	5.0	85.25
8026-002-015	11122 SHOEMAKER AVE	35,749.69	0.82	2.0	2.0	1.0	5.0	85.25
8026-002-018	NO SITUS AVAILABLE	2,426.29	0.06	0.0	0.5	0.5	1.0	17.05
8026-002-019	13057 MEYER RD	35,579.81	0.82	2.0	2.0	1.0	5.0	85.25
8026-002-020	NO SITUS AVAILABLE	4,795.96	0.11	1.0	0.5	1.0	2.5	42.62
8026-002-022	13132 LAKELAND RD	130,680.00	3.00	3.0	2.0	1.0	6.0	102.30
8026-002-023	13111 MEYER RD	34,848.00	0.80	2.0	2.0	1.0	5.0	85.25
8026-002-024	13117 MEYER RD	46,604.84	1.07	2.0	2.0	1.0	5.0	85.25
8026-002-026	13132 LAKELAND RD	153,766.80	3.53	2.0	2.0	1.0	5.0	85.25
8026-018-010	11700 BLOOMFIELD AVE	935,228.84	21.47	2.0	2.0	1.0	5.0	85.25
8026-018-015	11720 GREENSTONE AVE	108,900.00	2.50	0.0	0.0	0.0	16,335	278.51
8026-018-023	11401 GREENSTONE AVE	300,124.04	6.89	0.0	0.5	0.5	1.0	17.05
8026-018-027	NO SITUS AVAILABLE	138,843.14	3.19	0.0	0.5	0.5	1.0	17.05
8026-018-028	11651 GREENSTONE AVE	422,100.76	9.69	0.0	0.0	0.0	52,76259	899.60
8026-018-029	11651 GREENSTONE AVE	422,100.76	9.69	0.0	0.0	0.0	52,76259	899.60
8026-018-030	11688 GREENSTONE AVE	681,714.00	15.65	2.0	2.0	1.0	5.0	85.25
8026-019-009	11908 BLOOMFIELD AVE	112,589.53	2.58	1.0	0.5	1.0	2.5	42.62
8026-019-010	11922 BLOOMFIELD AVE	87,067.73	2.00	2.0	2.0	1.0	5.0	85.25
8026-019-011	11808 BLOOMFIELD AVE	95,082.77	2.18	0.0	0.0	0.0	11,88535	202.64
8026-019-013	11832 BLOOMFIELD AVE	145,054.80	3.33	3.0	2.0	1.0	6.0	102.30
8026-019-014	12601 ALLARD ST	37,483.38	0.86	2.0	2.0	1.0	5.0	85.25
8026-019-015	12631 ALLARD ST	16,378.56	0.38	2.0	2.0	1.0	5.0	85.25
8026-019-018	12630 ALLARD ST	19,379.84	0.44	2.0	2.0	1.0	5.0	85.25
8026-019-019	12020 BLOOMFIELD AVE	34,368.84	0.79	2.0	2.0	1.0	5.0	85.25
8026-019-020	12640 ALLARD ST	112,384.80	2.58	3.0	2.0	1.0	6.0	102.30
8026-019-022	12118 BLOOMFIELD AVE	225,697.43	5.18	3.0	2.0	1.0	6.0	102.30
8026-019-023	12150 BLOOMFIELD AVE	83,203.96	1.91	2.0	2.0	1.0	5.0	85.25
8026-020-005	11810 GREENSTONE AVE	10,240.96	0.24	3.0	2.0	1.0	6.0	102.30
8026-020-006	11808 GREENSTONE AVE	25,142.83	0.58	3.0	2.0	1.0	6.0	102.30
8026-020-009	11741 SHOEMAKER AVE	11,242.84	0.26	0.0	0.5	0.5	1.0	17.05
8026-020-017	12811 SUNSHINE AVE	0.00	4.79	0.5	0.25	0.25	1.0	17.05
8026-020-019	11831 SHOEMAKER AVE	0.00	0.47	1.0	1.0	1.0	3.0	51.15
8026-020-022	NO SITUS AVAILABLE	8,498.56	0.20	1.0	0.5	0.5	2.0	34.10
8026-020-024	11811 SHOEMAKER AVE	11,046.82	0.25	0.0	0.0	0.0	1.0	17.05
8026-020-036	11831 SHOEMAKER AVE	0.00	1.68	1.0	1.0	1.0	3.0	51.15
8026-020-037	11813 SHOEMAKER AVE	38,994.91	0.90	2.0	2.0	1.0	5.0	85.25
8026-020-038	11801 SHOEMAKER AVE	15,437.66	0.35	0.0	0.0	0.0	1.0	17.05
8026-020-039	NO SITUS AVAILABLE	15,145.81	0.35	0.0	0.5	0.5	1.0	17.05
8026-020-040	NO SITUS AVAILABLE	2,247.70	0.05	0.0	0.5	0.5	1.0	17.05
8026-020-042	12911 SUNSHINE AVE	16,552.80	0.38	3.0	2.0	1.0	6.0	102.30
8026-020-047	NO SITUS AVAILABLE	3,293.14	0.08	0.0	0.5	0.5	1.0	17.05
8026-020-048	NO SITUS AVAILABLE	8,498.56	0.20	1.0	0.5	0.5	2.0	34.10
8026-020-049	11829 SHOEMAKER AVE	8,498.56	0.20	3.0	2.0	1.0	6.0	102.30
8026-020-050	11915 SHOEMAKER AVE	10,815.95	0.25	2.0	2.0	1.0	5.0	85.25
8026-020-051	11910 GREENSTONE AVE	98,375.90	2.26	2.0	2.0	2.0	6.0	102.30
8026-020-053	NO SITUS AVAILABLE	4,795.96	0.11	0.0	0.5	0.5	1.0	17.05
8026-020-054	11811 GREENSTONE AVE	0.00	11.69	1.0	1.0	1.0	3.0	51.15
8026-020-056	12811 SUNSHINE AVE	10,450.04	0.24	3.0	2.0	1.0	6.0	102.30
8026-020-057	12903 SUNSHINE AVE	16,552.80	0.38	3.0	2.0	1.0	6.0	102.30
8026-020-058	12917 SUNSHINE AVE	16,552.80	0.38	3.0	2.0	1.0	6.0	102.30
8026-020-061	12001 SHOEMAKER AVE	43,560.00	1.00	2.0	2.0	1.0	5.0	85.25
8026-020-062	12112 GREENSTONE AVE	12,196.80	0.28	3.0	2.0	1.0	6.0	102.30
8026-020-063	12805 SUNSHINE AVE	11,756.84	0.27	2.0	2.0	1.0	5.0	85.25
8026-020-066	12927 SUNSHINE AVE	18,290.84	0.42	3.0	2.0	1.0	6.0	102.30
8026-020-067	12937 SUNSHINE AVE	16,552.80	0.38	3.0	2.0	1.0	6.0	102.30
8026-020-070	NO SITUS AVAILABLE	16,552.80	0.38	0.0	0.5	0.5	1.0	17.05
8026-020-071	12115 SHOEMAKER AVE	16,984.04	0.39	3.0	2.0	1.0	6.0	102.30
8026-020-072	12131 SHOEMAKER AVE	20,037.60	0.46	2.0	2.0	1.0	5.0	85.25
8026-020-074	12027 GREENSTONE AVE	50,529.60	1.16	0.0	0.0	0.0	5.0	85.25
8026-020-075	NO SITUS AVAILABLE	0.00	1.16	0.5	0.25	0.25	1.0	17.05
8026-020-077	12034 GREENSTONE AVE	240,015.60	5.51	3.0	2.0	1.0	6.0	102.30
8026-020-078	12021 SHOEMAKER AVE	77,101.20	1.77	3.0	2.0	1.0	6.0	102.30
8026-020-079	11927 GREENSTONE AVE	49,305.56	1.13	0.0	0.0	0.0	5.0	85.25
8026-020-080	NO SITUS AVAILABLE	243,064.80	5.58	0.0	0.5	0.5	1.0	17.05
8026-020-081	11735 SHOEMAKER AVE	11,247.19	0.26	0.0	0.0	0.0	2.0	34.10
8026-041-010	12907 IMPERIAL HWY	183,387.60	4.21	2.0	2.0	1.0	5.0	85.25

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ASSESSOR'S PARCEL NUMBER	SITUS ADDRESS	LOT SQ FT	COUNTY ACREAGE	PEOPLE	INTENSITY	SECURITY	BENEFIT UNITS	ESTIMATED CHARGE
8026-041-016	12311 GREENSTONE AVE	100,035.54	2.30	0.0	0.0	0.0	7.50267	127.92
8026-041-019	12330 GREENSTONE AVE	86,248.80	1.98	2.0	2.0	1.0	5.0	85.25
8026-041-027	12415 SHOEMAKER AVE	11,343.02	0.26	2.0	2.0	1.0	5.0	85.25
8026-041-028	12419 SHOEMAKER AVE	10,863.86	0.25	3.0	2.0	1.0	6.0	102.30
8026-041-029	12427 SHOEMAKER AVE	10,863.86	0.25	2.0	2.0	1.0	5.0	85.25
8026-041-030	12505 SHOEMAKER AVE	10,863.86	0.25	2.0	2.0	1.0	5.0	85.25
8026-041-031	12513 SHOEMAKER AVE	10,863.86	0.25	2.0	2.0	1.0	5.0	85.25
8026-041-032	12521 SHOEMAKER AVE	10,863.86	0.25	2.0	2.0	1.0	5.0	85.25
8026-041-035	12211 GREENSTONE AVE	217,800.00	5.00	0.0	0.5	0.5	1.0	17.05
8026-041-039	12815 IMPERIAL HWY	69,256.04	1.59	3.0	2.0	1.0	6.0	102.30
8026-041-040	NO SITUS AVAILABLE	60,112.80	1.38	1.0	0.5	0.5	2.0	34.10
8026-041-045	12771 IMPERIAL HWY	0.00	3.27	2.0	2.0	2.0	6.0	102.30
8026-041-047	NO SITUS AVAILABLE	4,791.60	0.11	0.0	0.5	0.5	1.0	17.05
8026-041-048	12821 IMPERIAL HWY	248,727.60	5.71	0.0	0.0	0.0	31.09095	530.10
8026-041-049	NO SITUS AVAILABLE	5,575.68	0.13	0.0	0.5	0.5	1.0	17.05
8026-041-050	12311 SHOEMAKER AVE	369,388.80	8.48	2.0	2.0	1.0	5.0	85.25
8026-041-051	12321 SHOEMAKER AVE	215,186.40	4.94	3.0	2.0	1.0	6.0	102.30
8026-041-052	12767 IMPERIAL HWY	216,493.20	4.97	2.0	2.0	1.0	5.0	85.25
8026-041-053	NO SITUS AVAILABLE	5,227.20	0.12	1.0	0.5	0.5	2.0	34.10
8026-041-054	12959 IMPERIAL HWY	0.00	0.44	0.0	0.0	0.0	1.0	17.05
8026-042-006	12623 IMPERIAL HWY	0.00	1.13	3.0	1.0	1.0	5.0	85.25
8026-042-007	12607 IMPERIAL HWY	16,753.18	0.38	0.0	0.5	0.5	1.0	17.05
8026-042-008	12631 IMPERIAL HWY	0.00	1.02	1.0	1.0	1.0	3.0	51.15
8026-042-009	12643 IMPERIAL HWY	29,498.83	0.68	3.0	2.0	1.0	6.0	102.30
8026-042-010	12655 IMPERIAL HWY	29,498.83	0.68	3.0	2.0	1.0	6.0	102.30
8026-042-013	12200 BLOOMFIELD AVE	142,537.03	3.27	0.0	0.0	0.0	21.38055	364.53
8026-042-014	12711 IMPERIAL HWY	70,719.66	1.62	3.0	2.0	1.0	6.0	102.30
8026-042-017	NO SITUS AVAILABLE	15,246.00	0.35	0.0	0.5	0.5	1.0	17.05
8026-042-018	12438 BLOOMFIELD AVE	0.00	2.86	1.0	1.0	1.0	3.0	51.15
8026-042-020	12420 BLOOMFIELD AVE	0.00	2.00	1.0	1.0	1.0	3.0	51.15
8026-042-021	12320 BLOOMFIELD AVE	246,501.68	5.66	2.0	2.0	1.0	5.0	85.25
8026-042-022	12438 BLOOMFIELD AVE	99,382.14	2.28	1.0	0.5	1.0	2.5	42.62
8029-003-048	13400 TELEGRAPH RD	0.00	0.17	3.0	1.0	1.0	5.0	85.25
8029-003-049	10530 CARMENITA RD	0.00	0.24	2.0	2.0	2.0	6.0	102.30
8044-001-007	13352 IMPERIAL HWY	0.00	1.17	2.0	1.0	1.0	4.0	68.20
8044-001-025	13238 IMPERIAL HWY	244,763.64	5.62	0.0	0.0	0.0	35.49073	605.11
8044-001-026	12801 CARMENITA RD	492,402.24	11.30	2.0	2.0	1.0	5.0	85.25
8044-001-027	12801 LEFFINGWELL AVE	425,755.44	9.77	2.0	2.0	1.0	5.0	85.25
8044-001-028	12728 SHOEMAKER AVE	491,661.72	11.29	2.0	2.0	1.0	5.0	85.25
8044-001-029	12816 ADLER DR	623,692.08	14.32	2.0	2.0	1.0	5.0	85.25
8044-001-030	12825 LEFFINGWELL AVE	333,016.20	7.65	2.0	2.0	1.0	5.0	85.25
8044-001-031	12825 CARMENITA RD	578,912.40	13.29	2.0	2.0	1.0	5.0	85.25
8044-001-032	13227 ORDEN DR	580,524.12	13.33	2.0	2.0	1.0	5.0	85.25
8044-001-033	12935 LEFFINGWELL AVE	612,148.68	14.05	2.0	2.0	1.0	5.0	85.25
8044-001-034	13220 ORDEN DR	796,059.00	18.28	2.0	2.0	1.0	5.0	85.25
8044-001-035	13415 CARMENITA RD	453,024.00	10.40	2.0	2.0	1.0	5.0	85.25
8044-001-039	NO SITUS AVAILABLE	34,146.68	0.78	0.0	0.5	0.5	1.0	17.05
8044-001-040	13102 IMPERIAL HWY	101,059.20	2.32	2.0	2.0	1.0	5.0	85.25
8044-001-045	13128 IMPERIAL HWY	94,089.60	2.16	2.0	2.0	1.0	5.0	85.25
8044-001-046	13204 IMPERIAL HWY	26,205.70	0.60	3.0	1.0	1.0	5.0	85.25
8044-001-047	13220 IMPERIAL HWY	32,648.22	0.75	3.0	1.0	1.0	5.0	85.25
8044-002-001	12722 CARMENITA RD	38,393.78	0.88	1.0	0.5	1.0	2.5	42.62
8044-002-007	13412 IMPERIAL HWY	70,562.84	1.62	3.0	2.0	1.0	6.0	102.30
8044-002-008	13440 IMPERIAL HWY	204,732.00	4.70	2.0	2.0	1.0	5.0	85.25
8044-002-009	13512 IMPERIAL HWY	194,708.84	4.47	2.0	2.0	1.0	5.0	85.25
8044-002-012	13546 IMPERIAL HWY	81,452.84	1.87	3.0	2.0	1.0	6.0	102.30
8044-002-013	13536 IMPERIAL HWY	60,112.80	1.38	3.0	2.0	1.0	6.0	102.30
8044-002-014	13560 IMPERIAL HWY	60,112.80	1.38	3.0	2.0	1.0	6.0	102.30
8044-002-018	12712 CARMENITA RD	14,997.71	0.34	3.0	2.0	1.0	6.0	102.30
8044-002-019	12628 CARMENITA RD	20,264.11	0.47	3.0	2.0	1.0	6.0	102.30
8044-002-020	12626 CARMENITA RD	11,722.00	0.27	3.0	2.0	1.0	6.0	102.30
8044-002-021	12714 CARMENITA RD	25,595.86	0.59	3.0	2.0	1.0	6.0	102.30
8044-002-022	12706 CARMENITA RD	16,997.11	0.39	3.0	2.0	1.0	6.0	102.30
8044-003-008	13780 IMPERIAL HWY	0.00	12.97	0.5	0.25	0.25	1.0	17.05
8044-003-010	13608 IMPERIAL HWY	205,167.60	4.71	2.0	2.0	1.0	5.0	85.25
8044-003-011	NO SITUS AVAILABLE	38,332.80	0.88	0.0	0.5	0.5	1.0	17.05
8044-003-012	12807 MARQUARDT AVE	161,607.60	3.71	2.0	2.0	1.0	5.0	85.25
8044-003-013	13750 IMPERIAL HWY	218,666.84	5.02	0.0	0.0	0.0	27.33336	466.03
8044-003-014	NO SITUS AVAILABLE	61,506.72	1.41	1.0	0.5	1.0	2.5	42.62
8044-003-015	13650 IMPERIAL HWY	130,749.70	3.00	2.0	2.0	1.0	5.0	85.25
8044-003-016	12717 MARQUARDT AVE	31,319.64	0.72	2.0	2.0	1.0	5.0	85.25
8044-004-012	12828 CARMENITA RD	533,261.52	12.24	2.0	2.0	1.0	5.0	85.25
8044-004-017	13409 ORDEN DR	430,372.80	9.88	2.0	2.0	1.0	5.0	85.25
8044-004-018	NO SITUS AVAILABLE	5,013.76	0.12	2.0	2.0	1.0	5.0	85.25
8044-004-019	NO SITUS AVAILABLE	325,828.80	7.48	2.0	2.0	1.0	5.0	85.25
8044-004-020	13527 ORDEN DR	244,807.20	5.62	2.0	2.0	1.0	5.0	85.25
8044-004-021	13607 ORDEN DR	377,229.60	8.66	2.0	2.0	1.0	5.0	85.25
8044-004-022	13300 CARMENITA ROAD	659,498.40	15.14	2.0	2.0	1.0	5.0	85.25
8044-004-023	NO SITUS AVAILABLE	261,795.60	6.01	1.0	0.5	0.5	2.0	34.10
8044-004-024	13603 FOSTER ROAD	320,601.60	7.36	2.0	2.0	1.0	5.0	85.25
8044-004-025	12995 MARQUARDT AVE	236,530.80	5.43	2.0	2.0	1.0	5.0	85.25
8044-004-026	NO SITUS AVAILABLE	378,972.00	8.70	2.0	2.0	1.0	5.0	85.25
8044-030-009	13808 IMPERIAL HWY	150,282.00	3.45	2.0	2.0	1.0	5.0	85.25
8044-030-011	12704 MARQUARDT AVE	45,302.40	1.04	2.0	2.0	1.0	5.0	85.25
8044-030-012	12716 MARQUARDT AVE	53,404.56	1.23	2.0	2.0	1.0	5.0	85.25
8045-001-006	12920 IMPERIAL HWY	38,764.04	0.89	2.0	2.0	1.0	5.0	85.25
8045-001-016	12832 IMPERIAL HWY	91,018.62	2.09	2.0	2.0	1.0	5.0	85.25

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ASSESSOR'S PARCEL NUMBER	SITUS ADDRESS	LOT SQ FT	COUNTY ACREAGE	PEOPLE	INTENSITY	SECURITY	BENEFIT UNITS	ESTIMATED CHARGE
8045-001-017	NO SITUS AVAILABLE	113,796.14	2.61	0.0	0.5	0.5	1.0	17.05
8045-001-018	12848 IMPERIAL HIGHWAY	52,716.31	1.21	3.0	2.0	1.0	6.0	102.30
8045-001-019	NO SITUS AVAILABLE	18,059.98	0.41	0.0	0.5	0.5	1.0	17.05
8045-001-026	12923 SHOEMAKER AVE	0.00	0.70	0.5	0.25	0.25	1.0	17.05
8045-001-030	NO SITUS AVAILABLE	1,089.00	0.03	0.0	0.5	0.5	1.0	17.05
8045-001-031	12940 IMPERIAL HIGHWAY	31,141.04	0.71	3.0	1.0	1.0	5.0	85.25
8045-001-032	NO SITUS AVAILABLE	7,248.38	0.17	0.0	0.5	0.5	1.0	17.05
8045-001-033	NO SITUS AVAILABLE	118,918.80	2.73	0.0	0.5	0.5	1.0	17.05
8045-001-034	NO SITUS AVAILABLE	663,418.80	15.23	0.0	0.5	0.5	1.0	17.05
8059-001-003	13230 CAMBRIDGE ST	78,604.02	1.80	2.0	2.0	1.0	5.0	85.25
8059-001-012	13220 CAMBRIDGE ST	0.00	2.28	3.0	2.0	1.0	6.0	102.30
8059-001-017	13215 CAMBRIDGE ST	0.00	7.17	3.0	2.0	1.0	6.0	102.30
8059-001-018	13341 CAMBRIDGE ST	422,096.40	9.69	3.0	2.0	1.0	6.0	102.30
8059-001-019	13344 CAMBRIDGE ST	48,800.27	1.12	3.0	2.0	1.0	6.0	102.30
8059-001-020	13729 CARMENITA RD	19,114.13	0.44	3.0	2.0	1.0	6.0	102.30
8059-001-021	NO SITUS AVAILABLE	35,396.86	0.81	0.0	0.0	0.0	1.0	17.05
8059-001-022	13320 CAMBRIDGE ST	59,677.20	1.37	0.0	0.0	0.0	8.0	136.40
8059-002-080	13085 ROSECRANS AVE	12,919.90	0.30	3.0	2.0	1.0	6.0	102.30
8059-002-081	13071 ROSECRANS AVE	13,311.94	0.31	3.0	2.0	1.0	6.0	102.30
8059-002-082	13081 ROSECRANS AVE	13,229.17	0.30	3.0	2.0	1.0	6.0	102.30
8059-002-083	13055 ROSECRANS AVE	6,655.97	0.15	3.0	2.0	1.0	6.0	102.30
8059-002-084	13057 ROSECRANS AVE	4,220.96	0.10	3.0	2.0	1.0	6.0	102.30
8059-002-085	13059 ROSECRANS AVE	4,220.96	0.10	3.0	2.0	1.0	6.0	102.30
8059-002-086	13061 ROSECRANS AVE	4,220.96	0.10	3.0	2.0	1.0	6.0	102.30
8059-002-087	13063 ROSECRANS AVE	0.00	0.15	1.0	1.0	1.0	3.0	51.15
8059-003-004	14024 CARMENITA RD	15,942.96	0.37	0.0	0.5	0.5	1.0	17.05
8059-003-005	14104 CARMENITA RD	15,942.96	0.37	0.0	0.5	0.5	1.0	17.05
8059-003-006	14114 CARMENITA RD	15,942.96	0.37	0.0	0.0	0.0	2.5	42.62
8059-003-018	13451 ROSECRANS AVE	0.00	0.28	1.0	1.0	1.0	3.0	51.15
8059-003-019	NO SITUS AVAILABLE	38,332.80	0.88	3.0	2.0	1.0	6.0	102.30
8059-003-020	NO SITUS AVAILABLE	36,586.04	0.84	1.0	0.5	0.5	2.0	34.10
8059-003-021	13461 ROSECRANS AVE	0.00	0.28	2.0	1.0	1.0	4.0	68.20
8059-003-023	13417 ROSECRANS AVE	9,661.61	0.22	1.0	0.5	0.5	2.0	34.10
8059-003-025	13401 ROSECRANS AVE	0.00	0.47	2.0	2.0	2.0	6.0	102.30
8059-003-026	13425 ROSECRANS AVE	12,196.80	0.28	0.0	0.5	0.5	1.0	17.05
8059-003-027	13425 ROSECRANS AVE	38,332.80	0.88	0.0	0.5	0.5	1.0	17.05
8059-003-028	NO SITUS AVAILABLE	3,977.03	0.09	0.0	0.5	0.5	1.0	17.05
8059-003-029	14006 CARMENITA RD	11,979.00	0.28	0.0	0.0	0.0	8.0	136.40
8059-003-030	13443 ROSECRANS AVE	76,665.60	1.76	2.0	2.0	1.0	5.0	85.25
8059-003-031	13443 ROSECRANS AVE	27,002.84	0.62	2.0	2.0	1.0	5.0	85.25
8059-004-003	13926 CARMENITA RD	132,858.00	3.05	2.0	2.0	1.0	5.0	85.25
8059-004-031	13904 CARMENITA RD	30,492.00	0.70	0.0	0.5	0.5	1.0	17.05
8059-004-053	13535 ROSECRANS AVE	0.00	15.32	1.0	1.0	1.0	3.0	51.15
8059-004-054	13900 CARMENITA RD	274,863.60	6.31	2.0	2.0	1.0	5.0	85.25
8059-004-055	13609 ROSECRANS AVE	0.00	1.86	2.0	2.0	2.0	6.0	102.30
8059-005-016	13722 CARMENITA RD	47,828.88	1.10	3.0	2.0	1.0	6.0	102.30
8059-005-017	13710 CARMENITA RD	52,529.00	1.21	2.0	2.0	1.0	5.0	85.25
8059-005-018	13415 MARQUARDT AVE	74,918.84	1.72	2.0	2.0	1.0	5.0	85.25
8059-005-020	13535 LARWIN CIR	109,766.84	2.52	2.0	2.0	1.0	5.0	85.25
8059-005-027	13570 LARWIN CIR	14,840.89	0.34	3.0	2.0	1.0	6.0	102.30
8059-005-028	13564 LARWIN CIR	15,746.94	0.36	3.0	2.0	1.0	6.0	102.30
8059-005-029	13560 LARWIN CIR	14,697.14	0.34	3.0	2.0	1.0	6.0	102.30
8059-005-030	13554 LARWIN CIR	15,746.94	0.36	3.0	2.0	1.0	6.0	102.30
8059-005-031	13550 LARWIN CIR	14,549.04	0.33	3.0	2.0	1.0	6.0	102.30
8059-005-032	13540 LARWIN CIR	15,590.12	0.36	3.0	2.0	1.0	6.0	102.30
8059-005-033	13625 LARWIN CIR	37,966.90	0.87	3.0	2.0	1.0	6.0	102.30
8059-005-034	13615 MARQUARDT AVE	38,123.71	0.88	3.0	2.0	1.0	6.0	102.30
8059-005-035	13535 MARQUARDT AVE	38,123.71	0.88	3.0	2.0	1.0	6.0	102.30
8059-005-036	13505 MARQUARDT AVE	37,966.90	0.87	3.0	2.0	1.0	6.0	102.30
8059-005-039	13565 LARWIN CIR	237,402.00	5.45	2.0	2.0	1.0	5.0	85.25
8059-005-042	13707 MARQUARDT AVE	84,510.76	1.94	2.0	2.0	1.0	5.0	85.25
8059-005-045	13438 FOSTER RD	327,135.60	7.51	2.0	2.0	1.0	5.0	85.25
8059-005-046	13500 FOSTER RD	1,441,836.00	33.10	2.0	2.0	1.0	5.0	85.25
8059-005-047	13525 LARWIN CIR	17,467.56	0.40	2.0	2.0	1.0	5.0	85.25
8059-005-048	13527 LARWIN CIR	17,493.70	0.40	2.0	2.0	1.0	5.0	85.25
8059-005-049	13529 LARWIN CIR	15,881.98	0.36	2.0	2.0	1.0	5.0	85.25
8059-005-050	13523 LARWIN CIR	11,883.17	0.27	2.0	2.0	1.0	5.0	85.25
8059-005-051	13567 LARWIN AVE	22,777.52	0.52	2.0	2.0	1.0	5.0	85.25
8059-005-052	13569 LARWIN AVE	22,777.52	0.52	2.0	2.0	1.0	5.0	85.25
8059-005-053	13571 LARWIN AVE	22,777.52	0.52	2.0	2.0	1.0	5.0	85.25
8059-005-054	13573 LARWIN AVE	22,777.52	0.52	2.0	2.0	1.0	5.0	85.25
8059-005-055	13575 LARWIN AVE	22,777.52	0.52	2.0	2.0	1.0	5.0	85.25
8059-005-056	13577 LARWIN AVE	22,777.52	0.52	2.0	2.0	1.0	5.0	85.25
8059-005-057	13579 LARWIN AVE	22,777.52	0.52	2.0	2.0	1.0	5.0	85.25
8059-028-020	13917 ROSECRANS AVE	85,991.80	1.97	3.0	2.0	1.0	6.0	102.30
8059-028-026	14032 MARQUARDT AVE	92,395.12	2.12	1.0	0.5	0.5	2.0	34.10
8059-028-027	14000 ANSON AVE	87,999.91	2.02	3.0	2.0	1.0	6.0	102.30
8059-028-028	13861 ROSECRANS AVE	118,391.72	2.72	3.0	2.0	1.0	6.0	102.30
8059-028-029	13861 ROSECRANS AVE	29,694.85	0.68	3.0	2.0	1.0	6.0	102.30
8059-028-030	14004 MARQUARDT AVE	3,550.14	0.08	2.0	2.0	1.0	5.0	85.25
8059-028-031	14006 MARQUARDT AVE	3,550.14	0.08	2.0	2.0	1.0	5.0	85.25
8059-028-032	14008 MARQUARDT AVE	3,550.14	0.08	2.0	2.0	1.0	5.0	85.25
8059-028-033	NO SITUS AVAILABLE	3,550.14	0.08	2.0	2.0	1.0	5.0	85.25
8059-028-034	14010 MARQUARDT AVE	3,550.14	0.08	2.0	2.0	1.0	5.0	85.25
8059-028-035	14012 MARQUARDT AVE	3,550.14	0.08	2.0	2.0	1.0	5.0	85.25
8059-028-036	14014 MARQUARDT AVE	3,550.14	0.08	2.0	2.0	1.0	5.0	85.25
8059-028-037	14018 MARQUARDT AVE	3,550.14	0.08	2.0	2.0	1.0	5.0	85.25

City of Santa Fe Springs
Lighting District No. 1
Fiscal Year 2017/18
Preliminary Roll

ASSESSOR'S PARCEL NUMBER	SITUS ADDRESS	LOT SQ FT	COUNTY ACREAGE	PEOPLE	INTENSITY	SECURITY	BENEFIT UNITS	ESTIMATED CHARGE
8059-028-038	14020 MARQUARDT AVE	3,550.14	0.08	2.0	2.0	1.0	5.0	85.25
8059-028-039	14022 MARQUARDT AVE	3,550.14	0.08	2.0	2.0	1.0	5.0	85.25
8059-028-040	14022 MARQUARDT AVE	3,550.14	0.08	2.0	2.0	1.0	5.0	85.25
8059-028-041	14024 MARQUARDT AVE	3,550.14	0.08	2.0	2.0	1.0	5.0	85.25
8059-028-042	14026 MARQUARDT AVE	3,550.14	0.08	2.0	2.0	1.0	5.0	85.25
8059-028-043	14028 MARQUARDT AVE	3,550.14	0.08	2.0	2.0	1.0	5.0	85.25
8059-029-002	13839 MARQUARDT AVE	101,847.64	2.34	3.0	2.0	1.0	6.0	102.30
8059-029-003	13835 MARQUARDT AVE	34,795.73	0.80	3.0	2.0	1.0	6.0	102.30
8059-029-004	14031 MARQUARDT AVE	72,300.89	1.66	2.0	2.0	1.0	5.0	85.25
8059-029-005	14001 MARQUARDT AVE	51,936.59	1.19	3.0	2.0	1.0	6.0	102.30
8059-029-006	14013 MARQUARDT AVE	36,642.67	0.84	3.0	2.0	1.0	6.0	102.30
8059-029-007	14037 MARQUARDT AVE	110,015.14	2.53	3.0	2.0	1.0	6.0	102.30
8059-029-009	13659 ROSECRANS AVE	39,204.00	0.90	3.0	2.0	1.0	6.0	102.30
8059-029-010	13649 ROSECRANS AVE	77,536.80	1.78	3.0	2.0	1.0	6.0	102.30
8059-029-015	13639 BORA DR	35,714.84	0.82	3.0	2.0	1.0	6.0	102.30
8059-029-016	NO SITUS AVAILABLE	38,589.80	0.89	0.0	0.5	0.5	1.0	17.05
8059-029-018	13662 BORA DR	53,883.72	1.24	3.0	2.0	1.0	6.0	102.30
8059-029-021	13721 BORA DR	45,629.10	1.05	3.0	2.0	1.0	6.0	102.30
8059-029-025	13821 MARQUARDT AVE	62,722.04	1.44	3.0	2.0	1.0	6.0	102.30
8059-029-026	13731 BORA DR	21,780.00	0.50	3.0	2.0	1.0	6.0	102.30
8059-029-028	13633 ROSECRANS AVE	50,838.88	1.17	2.0	2.0	1.0	5.0	85.25
8059-029-029	13733 ROSECRANS AVE	0.00	0.25	1.0	1.0	1.0	3.0	51.15
8059-029-030	13729 ROSECRANS AVE	23,396.08	0.54	3.0	2.0	1.0	6.0	102.30
8059-029-031	13729 ROSECRANS AVE	47,916.00	1.10	3.0	2.0	1.0	6.0	102.30
8059-029-032	13650 BORA DR	37,178.46	0.85	3.0	2.0	1.0	6.0	102.30
8059-029-033	NO SITUS AVAILABLE	23,396.08	0.54	3.0	2.0	1.0	6.0	102.30
8059-029-034	13707 BORA DRIVE	49,658.40	1.14	0.0	0.0	0.0	6.0	102.30
8059-029-035	13655 BORA DRIVE	38,629.01	0.89	0.0	0.0	0.0	6.0	102.30
8059-030-001	13161 ROSECRANS AVE	22,869.00	0.53	3.0	2.0	1.0	6.0	102.30
8059-030-002	13171 ROSECRANS AVE	20,176.99	0.46	3.0	2.0	1.0	6.0	102.30
8059-030-003	14110 DINARD AVE	27,699.80	0.64	3.0	2.0	1.0	6.0	102.30
8059-030-004	14026 DINARD AVE	18,900.68	0.43	3.0	2.0	1.0	6.0	102.30
8059-030-005	14014 DINARD AVE	18,120.96	0.42	3.0	2.0	1.0	6.0	102.30
8059-030-006	14000 DINARD AVE	18,081.76	0.42	3.0	2.0	1.0	6.0	102.30
8059-030-007	13938 DINARD AVE	23,905.73	0.55	3.0	2.0	1.0	6.0	102.30
8059-030-008	13922 DINARD AVE	13,712.69	0.31	3.0	2.0	1.0	6.0	102.30
8059-030-009	13904 MARYTON AVE	93,871.80	2.16	3.0	2.0	1.0	6.0	102.30
8059-030-010	13903 MARYTON AVE	45,781.56	1.05	2.0	2.0	1.0	5.0	85.25
8059-030-011	13929 DINARD AVE	20,381.72	0.47	3.0	2.0	1.0	6.0	102.30
8059-030-012	13924 MARYTON AVE	18,377.96	0.42	3.0	2.0	1.0	6.0	102.30
8059-030-013	13940 MARYTON AVE	23,918.80	0.55	3.0	2.0	1.0	6.0	102.30
8059-030-014	13949 DINARD AVE	22,598.93	0.52	3.0	2.0	1.0	6.0	102.30
8059-030-015	14009 DINARD AVE	22,598.93	0.52	3.0	2.0	1.0	6.0	102.30
8059-030-016	14010 MARYTON AVE	12,183.73	0.28	3.0	2.0	1.0	6.0	102.30
8059-030-017	14020 MARYTON AVE	12,183.73	0.28	3.0	2.0	1.0	6.0	102.30
8059-030-018	14021 DINARO ST	17,424.00	0.40	3.0	2.0	1.0	6.0	102.30
8059-030-019	14107 DINARO ST	32,800.68	0.75	3.0	2.0	1.0	6.0	102.30
8059-030-020	13139 ROSECRANS AVE	27,442.80	0.63	3.0	2.0	1.0	6.0	102.30
8059-030-021	13123 ROSECRANS AVE	0.00	8.24	0.5	0.25	0.25	1.0	17.05
8059-030-022	13101 ROSECRANS AVE	0.00	1.45	0.5	0.25	0.25	1.0	17.05
8059-030-024	13901 CARMENITA RD	364,597.20	8.37	0.0	0.0	0.0	45.57465	777.04
8059-030-028	13827 CARMENITA RD	394,387.88	9.05	2.0	2.0	1.0	5.0	85.25
8059-030-029	14101 PONTLAVOY AVE	40,632.77	0.93	2.0	2.0	1.0	5.0	85.25
8059-030-030	14109 PONTLAVOY AVE	21,431.52	0.49	2.0	2.0	1.0	5.0	85.25
8059-030-031	14115 PONTLAVOY AVE	26,697.92	0.61	2.0	2.0	1.0	5.0	85.25
8059-030-032	13203 ROSECRANS AVE	33,471.50	0.77	2.0	2.0	1.0	5.0	85.25
8059-030-033	13231 ROSECRANS AVE	36,411.80	0.84	2.0	2.0	1.0	5.0	85.25
8059-030-034	13303 ROSECRANS AVE	41,194.69	0.95	3.0	2.0	1.0	6.0	102.30
8059-030-035	14112 PONTLAVOY AVE	120,129.77	2.76	2.0	2.0	1.0	5.0	85.25
8059-030-036	14106 PONTLAVOY AVE	29,877.80	0.69	2.0	2.0	1.0	5.0	85.25
8069-001-037	13530 ROSECRANS AVE	402,930.00	9.25	2.0	2.0	1.0	5.0	85.25
8069-001-038	14404 BEST AVE	724,834.04	16.64	2.0	2.0	1.0	5.0	85.25
8069-002-047	13659 PUMICE ST	22,882.07	0.53	3.0	2.0	1.0	6.0	102.30
8069-002-049	13607 PUMICE ST	21,836.63	0.50	3.0	2.0	1.0	6.0	102.30
8069-002-068	13659 EXCELSIOR DR	42,950.16	0.99	3.0	2.0	1.0	6.0	102.30
8069-002-069	13623 PUMICE ST	38,067.08	0.87	3.0	2.0	1.0	6.0	102.30
8069-002-070	13649 PUMICE ST	28,767.02	0.66	3.0	2.0	1.0	6.0	102.30
8069-002-072	13629 TALC ST	29,058.88	0.67	3.0	2.0	1.0	6.0	102.30
8069-002-073	14729 SPRING AVE	43,690.68	1.00	3.0	2.0	1.0	6.0	102.30
8069-002-074	14709 SPRING AVE	67,718.38	1.55	3.0	2.0	1.0	6.0	102.30
8069-002-075	13606 PUMICE ST	61,981.52	1.42	3.0	2.0	1.0	6.0	102.30
8069-002-076	13617 TALC ST	46,199.74	1.06	3.0	2.0	1.0	6.0	102.30
8069-002-077	13626 TALC ST	87,211.48	2.00	3.0	2.0	1.0	6.0	102.30
8069-002-078	14811 SPRING AVE	77,096.84	1.77	2.0	2.0	1.0	5.0	85.25
8069-002-079	13615 EXCELSIOR DR	57,777.98	1.33	2.0	2.0	1.0	5.0	85.25
8069-002-080	13625 EXCELSIOR DR	30,731.58	0.71	1.0	0.5	0.5	2.0	34.10
8069-002-081	13645 EXCELSIOR DR	61,306.34	1.41	3.0	2.0	1.0	6.0	102.30
8069-003-007	13750 ROSECRANS AVE	47,044.80	1.08	3.0	2.0	1.0	6.0	102.30
8069-003-008	13730 ROSECRANS AVE	44,866.80	1.03	3.0	2.0	1.0	6.0	102.30
8069-003-009	13720 ROSECRANS AVE	44,866.80	1.03	3.0	2.0	1.0	6.0	102.30
8069-003-012	13721 MILROY PL	21,544.78	0.49	3.0	2.0	1.0	6.0	102.30
8069-003-013	13733 MILROY PL	24,715.94	0.57	3.0	2.0	1.0	6.0	102.30
8069-003-014	13745 MILROY PL	29,511.90	0.68	3.0	2.0	1.0	6.0	102.30
8069-003-015	13767 MILROY PL	32,670.00	0.75	3.0	2.0	1.0	6.0	102.30
8069-003-016	13766 MILROY PL	32,670.00	0.75	3.0	2.0	1.0	6.0	102.30
8069-003-017	13744 MILROY PL	29,511.90	0.68	3.0	2.0	1.0	6.0	102.30
8069-003-018	13732 MILROY PL	24,715.94	0.57	3.0	2.0	1.0	6.0	102.30

City of Santa Fe Springs
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ASSESSOR'S PARCEL NUMBER	SITUS ADDRESS	LOT SQ FT	COUNTY ACREAGE	PEOPLE	INTENSITY	SECURITY	BENEFIT UNITS	ESTIMATED CHARGE
8069-003-019	13722 MILROY PL	21,544.78	0.49	3.0	2.0	1.0	6.0	102.30
8069-003-020	13710 MILROY PL	19,480.03	0.45	3.0	2.0	1.0	6.0	102.30
8069-003-028	13705 MILROY PL	68,824.80	1.58	3.0	2.0	1.0	6.0	102.30
8069-003-029	13700 MILROY PL	32,230.04	0.74	3.0	2.0	1.0	6.0	102.30
8069-003-030	13700 BORATE ST	54,885.60	1.26	1.0	0.5	0.5	2.0	34.10
8069-003-031	13707 BORATE ST	18,290.84	0.42	3.0	2.0	1.0	6.0	102.30
8069-003-032	13719 BORATE ST	37,461.60	0.86	3.0	2.0	1.0	6.0	102.30
8069-003-033	14423 MARQUARDT AVE	21,191.94	0.49	3.0	2.0	1.0	6.0	102.30
8069-003-034	14501 MARQUARDT AVE	28,457.75	0.65	3.0	2.0	1.0	6.0	102.30
8069-003-035	14523 MARQUARDT AVE	35,057.09	0.80	3.0	2.0	1.0	6.0	102.30
8069-003-036	14539 MARQUARDT AVE	26,096.80	0.60	3.0	2.0	1.0	6.0	102.30
8069-003-037	13724 BORATE ST	42,688.80	0.98	3.0	2.0	1.0	6.0	102.30
8069-003-038	13710 BORATE ST	33,976.80	0.78	3.0	2.0	1.0	6.0	102.30
8069-003-039	13650 ROSECRANS AVE	38,746.62	0.89	3.0	2.0	1.0	6.0	102.30
8069-003-040	13700 ROSECRANS AVE	36,999.86	0.85	2.0	2.0	1.0	5.0	85.25
8069-003-041	13620 ROSECRANS AVE	41,382.00	0.95	2.0	2.0	1.0	5.0	85.25
8069-004-030	14906 SPRING AVE	20,725.85	0.48	3.0	2.0	1.0	6.0	102.30
8069-004-031	13701 EXCELSIOR DR	35,209.55	0.81	3.0	2.0	1.0	6.0	102.30
8069-004-035	14722 SPRING AVE	43,560.00	1.00	3.0	2.0	1.0	6.0	102.30
8069-004-060	14800 SPRING AVE	43,642.76	1.00	3.0	2.0	1.0	6.0	102.30
8069-004-065	14903 MARQUARDT AVE	23,518.04	0.54	3.0	2.0	1.0	6.0	102.30
8069-004-066	14850 SPRING AVE	55,756.80	1.28	3.0	2.0	1.0	6.0	102.30
8069-004-072	14561 MARQUARDT AVE	69,953.00	1.61	2.0	2.0	1.0	5.0	85.25
8069-004-075	13725 EXCELSIOR DR	51,008.76	1.17	3.0	2.0	1.0	6.0	102.30
8069-004-076	13747 EXCELSIOR DR	42,065.89	0.97	3.0	2.0	1.0	6.0	102.30
8069-004-077	14700 SPRING AVE	98,445.60	2.26	3.0	2.0	1.0	6.0	102.30
8069-004-078	NO SITUS AVAILABLE	10,197.40	0.23	0.0	0.0	0.0	1.0	17.05
8069-004-079	14811 MARQUARDT AVE	130,680.00	3.00	2.0	2.0	1.0	5.0	85.25
8069-005-001	13840 ROSECRANS AVE	0.00	0.35	2.0	1.0	1.0	4.0	68.20
8069-005-002	13900 ROSECRANS AVE	60,112.80	1.38	3.0	2.0	1.0	6.0	102.30
8069-005-008	13914 ROSECRANS AVE	0.00	0.30	1.0	1.0	1.0	3.0	51.15
8069-005-009	13917 STAGE RD	17,628.73	0.40	0.0	0.0	0.0	8.0	136.40
8069-005-010	13949 STAGE RD	78,643.22	1.81	0.0	0.0	0.0	5.89824	100.56
8069-005-011	16934 ROSECRANS AVE	43,098.26	0.99	0.0	0.0	0.0	5.0	85.25
8069-006-004	14156 ROSECRANS AVE	16,984.04	0.39	2.0	1.0	1.0	4.0	68.20
8069-006-010	14317 VALLEY VIEW AVE	0.00	0.62	3.0	1.0	1.0	5.0	85.25
8069-006-017	14122 ROSECRANS AVE	27,002.84	0.62	2.0	1.0	1.0	4.0	68.20
8069-006-018	13950 ROSECRANS AVE	95,832.00	2.20	2.0	2.0	1.0	5.0	85.25
8069-006-019	14005 STAGE RD	22,646.84	0.52	2.0	2.0	1.0	5.0	85.25
8069-006-020	14335 ISELI RD NO 45	49,052.92	1.13	2.0	2.0	1.0	5.0	85.25
8069-006-021	14325 ISELI RD	23,849.10	0.55	2.0	2.0	1.0	5.0	85.25
8069-006-022	14000 ROSECRANS AVE	21,780.00	0.50	2.0	2.0	1.0	5.0	85.25
8069-006-023	14200 ROSECRANS AVE	16,112.84	0.37	2.0	2.0	1.0	5.0	85.25
8069-006-024	14320 ISELI RD	25,987.90	0.60	2.0	2.0	1.0	5.0	85.25
8069-006-025	14330 ISELI RD	25,987.90	0.60	2.0	2.0	1.0	5.0	85.25
8069-006-026	14340 ISELI RD	25,987.90	0.60	2.0	2.0	1.0	5.0	85.25
8069-006-027	14404 ISELI RD	26,136.00	0.60	2.0	2.0	1.0	5.0	85.25
8069-006-028	14025 STAGE RD	40,937.69	0.94	2.0	2.0	1.0	5.0	85.25
8069-006-030	14114 ROSECRANS AVE	0.00	0.67	2.0	1.0	1.0	4.0	68.20
8069-006-036	14043 STAGE RD	248,727.60	5.71	2.0	2.0	1.0	5.0	85.25
8069-006-037	14071 STAGE RD	94,525.20	2.17	2.0	2.0	1.0	5.0	85.25
8069-006-038	14050 ROSECRANS AVE	0.00	0.46	2.0	2.0	2.0	6.0	102.30
8069-006-039	14090 ROSECRANS AVE	0.00	0.34	2.0	2.0	2.0	6.0	102.30
8069-006-040	14100 ROSECRANS AVE	0.00	1.67	2.0	2.0	2.0	6.0	102.30
8069-006-043	14311 VALLEY VIEW AVE	0.00	0.14	1.0	1.0	1.0	3.0	51.15
8069-006-044	14150 ROSECRANS AVE	0.00	0.34	0.0	0.5	0.5	1.0	17.05
8069-006-045	14515 VALLEY VIEW AVE	619,423.20	14.22	2.0	2.0	1.0	5.0	85.25
8069-007-009	14930 MARQUARDT AVE	106,722.00	2.45	3.0	2.0	1.0	6.0	102.30
8069-007-010	14818 MARQUARDT AVE	19,602.00	0.45	2.0	2.0	1.0	5.0	85.25
8069-007-011	14530 MARQUARDT AVE	87,120.00	2.00	3.0	2.0	1.0	6.0	102.30
8069-007-016	13833 BORATE ST	217,800.00	5.00	2.0	2.0	1.0	5.0	85.25
8069-007-022	14715 ANSON AVE	87,120.00	2.00	2.0	2.0	1.0	5.0	85.25
8069-007-030	14700 RADBURN AVE	87,120.00	2.00	3.0	2.0	1.0	6.0	102.30
8069-007-031	13911 GANNET ST	218,235.60	5.01	2.0	2.0	1.0	5.0	85.25
8069-007-032	14600 MARQUARDT AVE	43,560.00	1.00	3.0	2.0	1.0	6.0	102.30
8069-007-033	14700 MARQUARDT AVE	106,722.00	2.45	2.0	2.0	1.0	5.0	85.25
8069-007-036	14530 ANSON AVE	74,487.60	1.71	2.0	2.0	1.0	5.0	85.25
8069-007-037	14722 ANSON AVE	119,350.04	2.74	2.0	2.0	1.0	5.0	85.25
8069-007-040	14735 ANSON AVE	99,438.77	2.28	3.0	2.0	1.0	6.0	102.30
8069-007-042	13930 GANNET ST	201,242.84	4.62	2.0	2.0	1.0	5.0	85.25
8069-007-043	14330 MARQUARDT AVE	48,782.84	1.12	3.0	2.0	1.0	6.0	102.30
8069-007-044	14420 MARQUARDT AVE	96,698.84	2.22	0.0	0.0	0.0	12.08736	206.08
8069-007-045	14815 RADBURN AVE	174,240.00	4.00	2.0	2.0	1.0	5.0	85.25
8069-007-046	13930 BORATE ST	43,995.60	1.01	2.0	2.0	1.0	5.0	85.25
8069-007-047	14511 ANSON AVE	108,900.00	2.50	2.0	2.0	1.0	5.0	85.25
8069-007-048	14615 ANSON AVE	65,340.00	1.50	2.0	2.0	1.0	5.0	85.25
8069-007-051	13939 BORATE ST	144,619.20	3.32	0.0	0.0	0.0	5.0	85.25
8069-007-052	NO SITUS AVAILABLE	13,037.51	0.30	0.0	0.0	0.0	1.0	17.05
8069-008-025	NO SITUS AVAILABLE	283,140.00	6.50	1.0	0.5	0.5	2.0	34.10
8069-008-031	14027 BORATE ST	257,439.60	5.91	2.0	2.0	1.0	5.0	85.25
8069-008-032	14103 BORATE ST	134,600.40	3.09	2.0	2.0	1.0	5.0	85.25
8069-008-033	14100 BORATE ST	332,798.40	7.64	2.0	2.0	1.0	5.0	85.25
8069-008-034	14066 BORATE ST	291,852.00	6.70	2.0	2.0	1.0	5.0	85.25
8069-008-035	15015 VALLEY VIEW AVE	445,618.80	10.23				100.26423	1,709.50
8069-011-017	15305 VALLEY VIEW AVE	397,262.84	9.12	2.0	2.0	1.0	5.0	85.25
8069-011-021	15215 BONAVISTA AVE	224,307.86	5.15	3.0	2.0	1.0	6.0	102.30
8069-011-022	14030 GANNET ST	118,775.05	2.73	3.0	2.0	1.0	6.0	102.30

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8069-011-024	14000 GANNET ST	131,986.80	3.03	2.0	2.0	1.0	5.0	85.25
8069-011-025	15155 VALLEY VIEW AVE	80,041.50	1.83	3.0	2.0	1.0	6.0	102.30
8069-012-007	15555 VALLEY VIEW AVE	0.00	6.28	2.0	2.0	2.0	6.0	102.30
8069-012-008	14141 ALONDRA BLVD	1,044,568.80	23.98	2.0	2.0	1.0	5.0	85.25
8069-013-003	NO SITUS AVAILABLE	43,560.00	1.00	0.0	0.0	0.0	8.0	136.40
8069-013-012	13901 MICA ST	128,062.04	2.94	1.0	0.5	0.5	2.0	34.10
8069-013-014	NO SITUS AVAILABLE	19,162.04	0.44	0.0	0.5	0.5	1.0	17.05
8069-013-015	15020 MARQUARDT AVE	198,633.60	4.56	3.0	2.0	1.0	6.0	102.30
8069-013-016	15120 MARQUARDT AVE	148,539.60	3.41	2.0	2.0	1.0	5.0	85.25
8069-013-017	13871 MICA ST	78,843.60	1.81	3.0	2.0	1.0	6.0	102.30
8069-013-018	13905 MICA ST	64,900.04	1.49	3.0	2.0	1.0	6.0	102.30
8069-013-019	13920 MICA ST	253,514.84	5.82	2.0	2.0	1.0	5.0	85.25
8069-014-004	13963 ALONDRA BLVD	764,913.60	17.56	0.0	0.0	0.0	110.91247	1,891.05
8069-014-009	13833 FREEWAY DRIVE	814,572.00	18.70	0.0	0.0	0.0	5.0	85.25
8069-015-031	13660 EXCELSIOR DR	73,612.04	1.69	3.0	2.0	1.0	6.0	102.30
8069-015-036	15005 MARQUARDT AVE	129,368.84	2.97	3.0	2.0	1.0	6.0	102.30
8069-015-037	13710 EXCELSIOR DR	37,026.00	0.85	3.0	2.0	1.0	6.0	102.30
8069-015-046	15415 MARQUARDT AVE	126,759.60	2.91	3.0	2.0	1.0	6.0	102.30
8069-015-047	15315 MARQUARDT AVE	42,248.84	0.97	2.0	2.0	1.0	5.0	85.25
8069-015-048	15303 MARQUARDT AVE	42,248.84	0.97	3.0	2.0	1.0	6.0	102.30
8069-015-049	15215 MARQUARDT AVE	42,248.84	0.97	3.0	2.0	1.0	6.0	102.30
8069-015-050	15207 MARQUARDT AVE	48,782.84	1.12	3.0	2.0	1.0	6.0	102.30
8069-015-051	15125 MARQUARDT AVE	99,316.80	2.28	3.0	2.0	1.0	6.0	102.30
8069-015-052	NO SITUS AVAILABLE	24,824.84	0.57	0.0	0.5	0.5	1.0	17.05
8069-015-056	15204 SPRING AVE	262,666.80	6.03	2.0	2.0	1.0	5.0	85.25
8069-015-057	15310 SPRING AVE	125,452.80	2.88	2.0	2.0	1.0	5.0	85.25
8069-015-058	13711 FREEWAY DR	210,830.40	4.84	3.0	2.0	1.0	6.0	102.30
8069-016-003	13538 EXCELSIOR DR	213,004.04	4.89	3.0	2.0	1.0	6.0	102.30
8069-016-006	13539 FREEWAY DR	80,586.00	1.85	2.0	2.0	1.0	5.0	85.25
8069-016-007	13565 FREEWAY DR	92,342.84	2.12	3.0	2.0	1.0	6.0	102.30
8069-016-008	13443 FREEWAY DR	0.00	5.85	2.0	2.0	2.0	6.0	102.30
8069-016-013	15055 SPRING AVE	42,248.84	0.97	3.0	2.0	1.0	6.0	102.30
8069-016-014	13620 EXCELSIOR DR	81,452.84	1.87	2.0	2.0	1.0	5.0	85.25
8069-016-017	13525 FREEWAY DR	45,136.87	1.04	3.0	2.0	1.0	6.0	102.30
8069-016-018	15100 RADIUS PL	32,421.71	0.74	3.0	2.0	1.0	6.0	102.30
8069-016-023	15305 SPRING AVE	158,994.00	3.65	2.0	2.0	1.0	5.0	85.25
8069-016-024	13635 FREEWAY DR	281,833.20	6.47	2.0	2.0	1.0	5.0	85.25
8069-016-026	NO SITUS AVAILABLE	0.00	0.89	0.0	0.0	0.0	1.0	17.05
8069-016-027	13528 EXCELSIOR DR	77,972.40	1.79	0.0	0.0	0.0	5.0	85.25
8082-001-011	NO SITUS AVAILABLE	0.00	0.33	2.0	1.0	1.0	4.0	68.20
8082-001-020	12624 ROSECRANS AVE	0.00	4.15	2.0	2.0	2.0	6.0	102.30
8082-002-013	12680 FIRESTONE BLVD	9,147.60	0.21	0.0	0.5	0.5	1.0	17.05
8082-002-014	12818 FIRESTONE BLVD	0.00	3.09	2.0	2.0	2.0	6.0	102.30
8082-002-015	12818 FIRESTONE BLVD	0.00	0.74	0.0	0.5	0.5	1.0	17.05
8082-002-016	12818 FIRESTONE BLVD	0.00	1.08	2.0	2.0	2.0	6.0	102.30
8082-002-017	12818 FIRESTONE BLVD	47,828.88	1.10	0.0	0.5	0.5	1.0	17.05
8082-002-022	12940 FIRESTONE BLVD	114,127.20	2.62	2.0	2.0	1.0	5.0	85.25
8082-002-023	12900 FIRESTONE BLVD	155,827.19	3.58	2.0	2.0	1.0	5.0	85.25
8082-003-006	14420 BLOOMFIELD AVE	194,277.60	4.46	3.0	2.0	1.0	6.0	102.30
8082-003-010	12801 EXCELSIOR DR	3,381,127.20	77.62				760,75362	12,970.84
8157-011-016	13435 TELEGRAPH RD	244,802.84	5.62	0.0	0.0	0.0	35.49641	605.21
8157-011-022	13403 TELEGRAPH RD	225,640.80	5.18	0.0	0.0	0.0	32.71792	557.84
8157-011-023	10120 CARMENITA RD	70,567.20	1.62	2.0	1.0	1.0	4.0	68.20
8157-011-024	10140 CARMENITA RD	37,461.60	0.86	0.0	0.0	0.0	8.0	136.40
8157-011-025	13415 TELEGRAPH RD	178,160.40	4.09	0.0	0.0	0.0	25.83326	440.45
8157-026-022	13345 TELEGRAPH RD	37,457.24	0.86	2.0	1.0	1.0	4.0	68.20
8157-026-024	13363 TELEGRAPH RD	0.00	0.28	2.0	1.0	1.0	4.0	68.20
8167-001-027	9206 SANTA FE SPRINGS RD	280,090.80	6.43	2.0	2.0	1.0	5.0	85.25
8167-001-031	12809 BUSCH PL	169,884.00	3.90	2.0	2.0	1.0	5.0	85.25
8167-001-032	12801 BUSCH PL	138,956.40	3.19	2.0	2.0	1.0	5.0	85.25
8167-001-033	9303 GREENLEAF AVE	185,565.60	4.26	2.0	2.0	1.0	5.0	85.25
8167-001-034	9211 GREENLEAF AVE	10,258.38	0.24	2.0	2.0	1.0	5.0	85.25
8167-001-035	9215 GREENLEAF AVE	15,520.43	0.36	2.0	2.0	1.0	5.0	85.25
8167-001-036	9225 GREENLEAF AVE	12,536.57	0.29	2.0	2.0	1.0	5.0	85.25
8167-001-037	9235 GREENLEAF AVE	10,537.16	0.24	2.0	2.0	1.0	5.0	85.25
8167-001-038	9245 GREENLEAF AVE	10,127.70	0.23	2.0	2.0	1.0	5.0	85.25
8167-002-003	12637 LOS NIETOS RD	36,154.80	0.83	3.0	2.0	1.0	6.0	102.30
8167-002-004	9754 SANTA FE SPRINGS RD	114,994.04	2.64	3.0	2.0	1.0	6.0	102.30
8167-002-007	9606 SANTA FE SPRINGS RD	50,094.00	1.15	3.0	2.0	1.0	6.0	102.30
8167-002-008	9635 GREENLEAF AVE	0.00	17.56	1.0	0.5	0.5	2.0	34.10
8167-002-011	12651 LOS NIETOS RD	20,468.84	0.47	0.0	0.5	0.5	1.0	17.05
8167-002-012	12645 LOS NIETOS RD	21,780.00	0.50	3.0	2.0	1.0	6.0	102.30
8167-002-021	9620 SANTA FE SPRINGS RD	24,824.84	0.57	3.0	2.0	1.0	6.0	102.30
8167-002-022	9632 SANTA FE SPRINGS RD	27,002.84	0.62	3.0	2.0	1.0	6.0	102.30
8167-002-024	12635 LOS NIETOS RD	21,340.04	0.49	3.0	2.0	1.0	6.0	102.30
8167-002-025	NO SITUS AVAILABLE	0.00	0.44	0.5	0.25	0.25	1.0	17.05
8167-002-026	NO SITUS AVAILABLE	768,834.00	17.65	0.0	0.5	0.5	1.0	17.05
8167-002-028	NO SITUS AVAILABLE	27,002.84	0.62	0.0	0.5	0.5	1.0	17.05
8167-002-029	9640 SANTA FE SPRINGS RD	31,358.84	0.72	3.0	2.0	1.0	6.0	102.30
8167-002-030	NO SITUS AVAILABLE	6,094.04	0.14	0.0	0.5	0.5	1.0	17.05
8167-002-032	12747 LOS NIETOS RD	16,984.04	0.39	3.0	2.0	1.0	6.0	102.30
8167-002-037	12801 LOS NIETOS RD	16,984.04	0.39	3.0	2.0	1.0	6.0	102.30
8167-002-041	12807 LOS NIETOS RD	33,976.80	0.78	3.0	2.0	1.0	6.0	102.30
8167-002-042	12741 LOS NIETOS RD	21,780.00	0.50	3.0	2.0	1.0	6.0	102.30
8167-002-043	12731 LOS NIETOS RD	44,426.84	1.02	3.0	2.0	1.0	6.0	102.30
8167-002-044	12707 LOS NIETOS RD	50,960.84	1.17	3.0	2.0	1.0	6.0	102.30
8167-002-050	9843 GREENLEAF AVE	47,445.55	1.09	3.0	2.0	1.0	6.0	102.30

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ASSESSOR'S PARCEL NUMBER	SITUS ADDRESS	LOT SQ FT	COUNTY ACREAGE	PEOPLE	INTENSITY	SECURITY	BENEFIT UNITS	ESTIMATED CHARGE
8167-002-051	NO SITUS AVAILABLE	93,588.66	2.15	0.0	0.0	0.0	11.69858	199.46
8167-002-052	NO SITUS AVAILABLE	0.00	1.70	0.0	0.0	0.0	1.0	17.05
8167-002-053	NO SITUS AVAILABLE	0.00	2.03	0.0	0.0	0.0	1.0	17.05
8167-003-008	12943 LOS NIETOS RD	49,749.88	1.14	2.0	2.0	1.0	5.0	85.25
8167-004-024	13023 LOS NIETOS RD	43,120.04	0.99	3.0	2.0	1.0	6.0	102.30
8167-004-025	13021 LOS NIETOS RD	18,290.84	0.42	3.0	2.0	1.0	6.0	102.30
8167-004-026	13015 LOS NIETOS RD	27,442.80	0.63	3.0	2.0	1.0	6.0	102.30
8167-004-027	13017 LOS NIETOS RD	23,086.80	0.53	3.0	2.0	1.0	6.0	102.30
8167-004-028	13011 LOS NIETOS RD	108,028.80	2.48	3.0	2.0	1.0	6.0	102.30
8167-004-035	12983 LOS NIETOS RD	11,417.08	0.26	2.0	2.0	1.0	5.0	85.25
8167-004-036	12985 LOS NIETOS RD	11,417.08	0.26	3.0	2.0	1.0	6.0	102.30
8167-004-037	12987 LOS NIETOS RD	11,417.08	0.26	2.0	2.0	1.0	5.0	85.25
8167-004-038	12989 LOS NIETOS RD	11,417.08	0.26	2.0	2.0	1.0	5.0	85.25
8167-004-039	12991 LOS NIETOS RD	11,417.08	0.26	2.0	2.0	1.0	5.0	85.25
8167-004-040	12993 LOS NIETOS RD	11,417.08	0.26	2.0	2.0	1.0	5.0	85.25
8167-004-041	12995 LOS NIETOS RD	11,417.08	0.26	2.0	2.0	1.0	5.0	85.25
8167-004-042	13009 LOS NIETOS RD	11,417.08	0.26	2.0	2.0	1.0	5.0	85.25
8167-004-043	13007 LOS NIETOS RD	11,417.08	0.26	2.0	2.0	1.0	5.0	85.25
8167-004-044	13005 LOS NIETOS RD	11,417.08	0.26	2.0	2.0	1.0	5.0	85.25
8167-004-045	13003 LOS NIETOS RD	11,417.08	0.26	2.0	2.0	1.0	5.0	85.25
8167-004-046	13001 LOS NIETOS RD	11,417.08	0.26	2.0	2.0	1.0	5.0	85.25
8167-004-047	12999 LOS NIETOS RD	11,417.08	0.26	2.0	2.0	1.0	5.0	85.25
8167-004-048	12997 LOS NIETOS RD	11,417.08	0.26	2.0	2.0	1.0	5.0	85.25
8167-005-003	13039 LOS NIETOS RD	11,325.60	0.26	3.0	2.0	1.0	6.0	102.30
8167-005-017	13109 LOS NIETOS RD	55,756.80	1.28	2.0	2.0	1.0	5.0	85.25
8167-005-018	10047 PAINTER AVE	126,324.00	2.90	2.0	2.0	1.0	5.0	85.25
8167-005-019	10035 PAINTER AVE	175,111.20	4.02	2.0	2.0	1.0	5.0	85.25
8167-005-020	13112 BARTON RD	21,631.90	0.50	2.0	2.0	1.0	5.0	85.25
8167-005-021	13120 BARTON RD	21,588.34	0.50	2.0	2.0	1.0	5.0	85.25
8167-005-022	13136 BARTON RD	19,218.67	0.44	2.0	2.0	1.0	5.0	85.25
8167-005-023	13142 BARTON RD	19,301.44	0.44	2.0	2.0	1.0	5.0	85.25
8167-005-025	10135 PAINTER AVE	4.36	0.00	0.0	0.0	0.0	5.0	85.25
8167-005-026	13045 LOS NIETOS RD	47,654.64	1.09	0.0	0.0	0.0	8.0	136.40
8167-006-006	9825 PAINTER AVE	358,930.04	8.24	3.0	2.0	1.0	6.0	102.30
8167-028-021	NO SITUS AVAILABLE	0.00	0.48	0.0	0.5	0.5	1.0	17.05
8167-028-022	NO SITUS AVAILABLE	0.00	0.09	0.0	0.5	0.5	1.0	17.05
8167-028-028	9810 PAINTER AVE	187,308.00	4.30	3.0	2.0	1.0	6.0	102.30
8167-028-029	13281 BARTON CIR	19,514.88	0.45	3.0	2.0	1.0	6.0	102.30
8167-028-030	13273 BARTON CIR	19,602.00	0.45	3.0	2.0	1.0	6.0	102.30
8167-028-031	13265 BARTON CIR	19,423.40	0.45	3.0	2.0	1.0	6.0	102.30
8167-028-032	13257 BARTON CIR	17,898.80	0.41	3.0	2.0	1.0	6.0	102.30
8167-028-033	13249 BARTON CIR	37,892.84	0.87	3.0	2.0	1.0	6.0	102.30
8167-028-034	13241 BARTON CIR	32,927.00	0.76	2.0	2.0	1.0	5.0	85.25
8167-028-035	13233 BARTON CIR	32,839.88	0.75	2.0	2.0	1.0	5.0	85.25
8167-028-036	13225 BARTON CIR	30,143.52	0.69	2.0	2.0	1.0	5.0	85.25
8167-028-037	13217 BARTON CIR	23,256.68	0.53	2.0	2.0	1.0	5.0	85.25
8167-028-038	13209 BARTON CIR	25,129.76	0.58	2.0	2.0	1.0	5.0	85.25
8167-028-039	13201 BARTON CIR	26,048.88	0.60	3.0	2.0	1.0	6.0	102.30
8167-028-040	9920 PAINTER AVE	20,643.08	0.47	3.0	2.0	1.0	6.0	102.30
8167-028-041	13210 BARTON CIR	25,595.86	0.59	2.0	2.0	1.0	5.0	85.25
8167-028-042	13236 BARTON CIR	17,441.42	0.40	2.0	2.0	1.0	5.0	85.25
8167-028-043	13240 BARTON CIR	17,441.42	0.40	2.0	2.0	1.0	5.0	85.25
8167-028-044	13270 BARTON CIR	25,595.86	0.59	2.0	2.0	1.0	5.0	85.25
8167-028-045	9930 PAINTER AVE	20,643.08	0.47	2.0	2.0	1.0	5.0	85.25
8167-029-003	10030 PAINTER AVE	25,029.58	0.57	0.0	0.0	0.0	8.0	136.40
8167-029-019	10016 PAINTER AVE	21,470.72	0.49	3.0	2.0	1.0	6.0	102.30
8167-029-023	10106 PAINTER AVE	66,646.80	1.53	0.0	0.0	0.0	8.33085	142.04
8167-029-026	10040 PAINTER AVE	40,928.98	0.94	0.0	0.0	0.0	5.0	85.25
8167-037-008	9400 SANTA FE SPRINGS RD	970,516.80	22.28	2.0	2.0	1.0	5.0	85.25
8167-037-012	9415 GREENLEAF AVE	132,422.40	3.04	2.0	2.0	1.0	5.0	85.25
8167-037-013	12801 ANN ST	198,198.00	4.55	2.0	2.0	1.0	5.0	85.25
8167-037-014	12866 ANN ST	218,235.60	5.01	2.0	2.0	1.0	5.0	85.25
8167-037-015	12866 ANN ST	30,056.40	0.69	2.0	2.0	1.0	5.0	85.25
8167-037-019	9300 SANTA FE SPRINGS RD	0.00	4.07	1.0	1.0	1.0	3.0	51.15
8167-037-020	12717 ANN ST	150,282.00	3.45	2.0	2.0	1.0	5.0	85.25
8168-001-007	8916 NORWALK BLVD	0.00	0.26	2.0	2.0	2.0	6.0	102.30
8168-001-009	11756 BURKE ST	154,638.00	3.55	0.0	0.5	0.5	1.0	17.05
8168-001-010	11770 BURKE ST	0.00	0.77	0.0	0.5	0.5	1.0	17.05
8168-001-011	8737 DICE RD	141,570.00	3.25	2.0	2.0	1.0	5.0	85.25
8168-001-012	8861 DICE RD	81,452.84	1.87	2.0	2.0	1.0	5.0	85.25
8168-001-014	9016 NORWALK BLVD	0.00	1.76	1.0	1.0	1.0	3.0	51.15
8168-001-015	9010 NORWALK BLVD	132,858.00	3.05	2.0	2.0	1.0	5.0	85.25
8168-001-022	8851 DICE RD	209,523.60	4.81	0.0	0.0	0.0	15.71427	267.92
8168-001-025	12007 LOS NIETOS RD	299,257.20	6.87	2.0	2.0	1.0	5.0	85.25
8168-001-026	NO SITUS AVAILABLE	15,367.97	0.35	0.0	0.5	0.5	1.0	17.05
8168-001-027	NO SITUS AVAILABLE	12,353.62	0.28	0.0	0.5	0.5	1.0	17.05
8168-001-028	9100 NORWALK BLVD	361,112.40	8.29	3.0	2.0	1.0	6.0	102.30
8168-001-031	11917 ALTAMAR PL	129,808.80	2.98	2.0	2.0	1.0	5.0	85.25
8168-001-032	11920 ALTAMAR PL	61,855.20	1.42	2.0	2.0	1.0	5.0	85.25
8168-001-033	11936 ALTAMAR PL	68,106.06	1.56	2.0	2.0	1.0	5.0	85.25
8168-001-034	9100 NORWALK BLVD	106,290.76	2.44	3.0	2.0	1.0	6.0	102.30
8168-001-035	8921 DICE RD	247,420.80	5.68	2.0	2.0	1.0	5.0	85.25
8168-001-042	11650 BURKE ST	226,512.00	5.20	0.0	0.0	0.0	5.0	85.25
8168-001-043	11630 BURKE ST	157,687.20	3.62	0.0	0.0	0.0	5.0	85.25
8168-002-401	NO SITUS AVAILABLE	9,578.84	0.22	0.0	0.0	0.0	1.0	17.05
8168-002-402	12020 SLAUSON AVE	413,384.40	9.49	2.0	2.0	1.0	5.0	85.25
8168-002-403	12012 BURKE ST	59,677.20	1.37	2.0	2.0	1.0	5.0	85.25

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8168-002-404	12012 BURKE ST	66,211.20	1.52	2.0	2.0	1.0	5.0	85.25
8168-002-405	12012 BURKE ST	72,745.20	1.67	2.0	2.0	1.0	5.0	85.25
8168-002-407	12128 BURKE ST	201,682.80	4.63	2.0	2.0	1.0	5.0	85.25
8168-002-412	12310 SLAUSON AVE	486,129.60	11.16	2.0	2.0	1.0	5.0	85.25
8168-002-417	12202 SLAUSON AVE	196,020.00	4.50	2.0	2.0	1.0	5.0	85.25
8168-002-418	NO SITUS AVAILABLE	30,056.40	0.69	1.0	0.5	0.5	2.0	34.10
8168-002-419	NO SITUS AVAILABLE	37,387.55	0.86	1.0	0.5	0.5	2.0	34.10
8168-003-012	9415 SORENSEN AVE	138,956.40	3.19	1.0	0.5	0.5	2.0	34.10
8168-003-013	9525 SORENSEN AVE	64,904.40	1.49	2.0	2.0	1.0	5.0	85.25
8168-003-014	9635 SANTA FE SPRINGS RD NO 22	44,431.20	1.02	0.0	0.0	0.0	5.0	85.25
8168-003-015	9541 SANTA FE SPRINGS RD	4,787.24	0.11	3.0	2.0	1.0	6.0	102.30
8168-003-016	9551 SANTA FE SPRINGS RD	5,227.20	0.12	3.0	2.0	1.0	6.0	102.30
8168-003-017	9601 SANTA FE SPRINGS RD	3,916.04	0.09	3.0	2.0	1.0	6.0	102.30
8168-003-018	9607 SANTA FE SPRINGS RD	0.00	0.10	2.0	2.0	2.0	6.0	102.30
8168-003-019	9617 SANTA FE SPRINGS RD	8,049.89	0.18	3.0	2.0	1.0	6.0	102.30
8168-003-020	9435 SORENSEN AVE	54,450.00	1.25	2.0	2.0	1.0	5.0	85.25
8168-003-021	9636 ANN ST	58,806.00	1.35	3.0	2.0	1.0	6.0	102.30
8168-003-022	9515 SORENSEN AVE	46,609.20	1.07	3.0	2.0	1.0	6.0	102.30
8168-006-002	12121 LOS NIETOS RD	104,539.64	2.40	0.0	0.0	0.0	13.06746	222.80
8168-006-024	12120 ALTAMAR PL	43,560.00	1.00	2.0	2.0	1.0	5.0	85.25
8168-006-025	12110 ALTAMAR PL	43,560.00	1.00	3.0	2.0	1.0	6.0	102.30
8168-006-040	12139 LOS NIETOS RD	83,325.92	1.91	2.0	2.0	1.0	5.0	85.25
8168-006-041	12103 LOS NIETOS RD	22,219.96	0.51	3.0	2.0	1.0	6.0	102.30
8168-006-042	NO SITUS AVAILABLE	6,398.96	0.15	0.0	0.5	0.5	1.0	17.05
8168-006-043	9142 DICE RD	6,385.90	0.15	2.0	2.0	1.0	5.0	85.25
8168-006-044	9132 DICE RD	12,305.70	0.28	3.0	2.0	1.0	6.0	102.30
8168-006-047	9118 DICE RD	5,993.86	0.14	3.0	2.0	1.0	6.0	102.30
8168-006-048	9114 DICE RD	5,993.86	0.14	3.0	2.0	1.0	6.0	102.30
8168-006-049	9110 DICE RD	5,993.86	0.14	3.0	2.0	1.0	6.0	102.30
8168-006-051	NO SITUS AVAILABLE	12,636.76	0.29	0.0	0.5	0.5	1.0	17.05
8168-006-052	9128 DICE RD	17,998.99	0.41	3.0	2.0	1.0	6.0	102.30
8168-006-054	12223 LOS NIETOS RD	23,147.78	0.53	3.0	2.0	1.0	6.0	102.30
8168-006-056	NO SITUS AVAILABLE	127,195.20	2.92	0.0	0.5	0.5	1.0	17.05
8168-006-057	12235 LOS NIETOS RD	39,082.03	0.90	0.0	0.0	0.0	8.0	136.40
8168-006-058	NO SITUS AVAILABLE	14,431.43	0.33	0.0	0.5	0.5	1.0	17.05
8168-006-059	NO SITUS AVAILABLE	48,042.32	1.10	0.0	0.5	0.5	1.0	17.05
8168-006-060	12207 LOS NIETOS RD	83,861.71	1.93	2.0	2.0	1.0	5.0	85.25
8168-007-020	12143 ALTAMAR PL	123,618.92	2.84	2.0	2.0	1.0	5.0	85.25
8168-007-026	9005 SORENSEN AVE	179,902.80	4.13	2.0	2.0	1.0	5.0	85.25
8168-007-027	8934 DICE RD	217,800.00	5.00	3.0	2.0	1.0	6.0	102.30
8168-007-029	9028 DICE RD	330,616.04	7.59	0.0	0.0	0.0	24.7962	422.77
8168-007-030	9101 SORENSEN AVE	245,678.40	5.64	2.0	2.0	1.0	5.0	85.25
8168-007-031	9051 SORENSEN AVE	157,687.20	3.62	3.0	2.0	1.0	6.0	102.30
8168-008-049	12521 LOS NIETOS RD	129,312.22	2.97	0.0	0.0	0.0	16.16403	275.59
8168-008-050	9719 SANTA FE SPRINGS RD	130,680.00	3.00	2.0	2.0	1.0	5.0	85.25
8168-008-052	NO SITUS AVAILABLE	67,165.16	1.54	0.0	0.0	0.0	5.0	85.25
8168-008-053	NO SITUS AVAILABLE	67,439.59	1.55	0.0	0.0	0.0	5.0	85.25
8168-008-054	NO SITUS AVAILABLE	37,827.50	0.87	0.0	0.0	0.0	5.0	85.25
8168-008-055	NO SITUS AVAILABLE	45,803.34	1.05	0.0	0.0	0.0	5.0	85.25
8168-009-020	12333 LOS NIETOS RD	105,850.80	2.43	3.0	2.0	1.0	6.0	102.30
8168-009-023	9211 SORENSEN AVE	99,748.04	2.29	3.0	2.0	1.0	6.0	102.30
8168-009-027	NO SITUS AVAILABLE	3,484.80	0.08	0.0	0.5	0.5	1.0	17.05
8168-009-028	9520 JOHN ST	91,036.04	2.09	3.0	2.0	1.0	6.0	102.30
8168-009-029	9313 SORENSEN AVE	151,148.84	3.47	2.0	2.0	1.0	5.0	85.25
8168-009-030	NO SITUS AVAILABLE	6,094.04	0.14	0.0	0.5	0.5	1.0	17.05
8168-009-032	12441 LOS NIETOS RD	172,928.84	3.97	2.0	2.0	1.0	5.0	85.25
8168-009-033	12521 LOS NIETOS RD	69,791.83	1.60	3.0	2.0	1.0	6.0	102.30
8168-009-034	9600 JOHN ST	147,232.80	3.38	3.0	2.0	1.0	6.0	102.30
8168-009-035	12405 LOS NIETOS RD	104,108.40	2.39	3.0	2.0	1.0	6.0	102.30
8168-009-036	9601 JOHN ST	317,116.80	7.28	2.0	2.0	1.0	5.0	85.25
8168-010-009	9339 SANTA FE SPRINGS RD	5,222.84	0.12	3.0	2.0	1.0	6.0	102.30
8168-010-010	9347 SANTA FE SPRINGS RD	5,222.84	0.12	3.0	2.0	1.0	6.0	102.30
8168-010-017	9421 SANTA FE SPRINGS RD	16,112.84	0.37	3.0	2.0	1.0	6.0	102.30
8168-010-022	9427 SANTA FE SPRINGS RD	0.00	0.11	1.0	1.0	1.0	3.0	51.15
8168-010-023	9437 SANTA FE SPRINGS RD	23,958.00	0.55	3.0	2.0	1.0	6.0	102.30
8168-010-025	9507 SANTA FE SPRINGS RD	19,602.00	0.45	3.0	2.0	1.0	6.0	102.30
8168-010-026	9515 SANTA FE SPRINGS RD	40,942.04	0.94	3.0	2.0	1.0	6.0	102.30
8168-010-027	9550 ANN ST	43,995.60	1.01	3.0	2.0	1.0	6.0	102.30
8168-010-028	9536 ANN ST	17,859.60	0.41	3.0	2.0	1.0	6.0	102.30
8168-010-029	9526 ANN ST	28,314.00	0.65	3.0	2.0	1.0	6.0	102.30
8168-010-030	9510 ANN ST	43,560.00	1.00	3.0	2.0	1.0	6.0	102.30
8168-010-031	9441 SANTA FE SPRINGS RD	18,526.07	0.43	2.0	2.0	1.0	5.0	85.25
8168-010-032	9501 SANTA FE SPRINGS RD	16,774.96	0.39	3.0	2.0	1.0	6.0	102.30
8168-012-009	8831 SORENSEN AVE	3,476.09	0.08	0.0	0.5	0.5	1.0	17.05
8168-012-010	NO SITUS AVAILABLE	3,049.20	0.07	0.0	0.5	0.5	1.0	17.05
8168-012-011	8915 SORENSEN AVE	75,358.80	1.73	0.0	0.0	0.0	5.65191	96.36
8168-013-008	8832 DICE RD	43,594.85	1.00	1.0	0.5	1.0	2.5	42.62
8168-013-011	8831 SORENSEN AVE	109,766.84	2.52	0.0	0.0	0.0	13.72086	233.94
8168-013-015	11932 BAKER PL	52,272.00	1.20	2.0	2.0	1.0	5.0	85.25
8168-013-016	11944 BAKER PL	42,414.37	0.97	2.0	2.0	1.0	5.0	85.25
8168-013-017	8803 SORENSEN AVE	22,659.91	0.52	2.0	2.0	1.0	5.0	85.25
8168-013-018	8771 SORENSEN AVE	22,233.02	0.51	2.0	2.0	1.0	5.0	85.25
8168-013-019	11929 BAKER PL	28,540.51	0.66	2.0	2.0	1.0	5.0	85.25
8168-013-020	11935 BAKER PL	60,112.80	1.38	2.0	2.0	1.0	5.0	85.25
8168-013-021	8743 SORENSEN AVE	79,279.20	1.82	2.0	2.0	1.0	5.0	85.25
8168-013-026	8708 DICE RD	341,510.40	7.84	2.0	2.0	1.0	5.0	85.25
8168-013-027	8820 DICE RD	247,420.80	5.68	3.0	2.0	1.0	6.0	102.30

City of Santa Fe Springs
Lighting District No. 1
Fiscal Year 2017/18
Preliminary Roll

ASSESSOR'S PARCEL NUMBER	SITUS ADDRESS	LOT SQ FT	COUNTY ACREAGE	PEOPLE	INTENSITY	SECURITY	BENEFIT UNITS	ESTIMATED CHARGE
8168-014-011	12063 SLAUSON AVE	39,996.79	0.92	3.0	2.0	1.0	6.0	102.30
8168-014-012	12105 SLAUSON AVE	19,523.59	0.45	3.0	2.0	1.0	6.0	102.30
8168-014-013	12101 SLAUSON AVE	17,419.64	0.40	3.0	2.0	1.0	6.0	102.30
8168-014-014	12117 SLAUSON AVE	33,536.84	0.77	3.0	2.0	1.0	6.0	102.30
8168-014-015	12135 SLAUSON AVE	47,471.69	1.09	2.0	2.0	1.0	5.0	85.25
8168-014-016	12139 SLAUSON AVE	25,691.69	0.59	3.0	2.0	1.0	6.0	102.30
8168-014-017	12157 SLAUSON AVE	18,299.56	0.42	3.0	2.0	1.0	6.0	102.30
8168-014-018	12201 SLAUSON AVE	24,742.08	0.57	3.0	2.0	1.0	6.0	102.30
8168-014-019	12209 SLAUSON AVE	24,384.89	0.56	3.0	2.0	1.0	6.0	102.30
8168-014-021	12015 SLAUSON AVE	329,744.84	7.57	2.0	2.0	1.0	5.0	85.25
8168-014-022	11966 RIVERA RD	36,729.79	0.84	3.0	2.0	1.0	6.0	102.30
8168-014-023	8520 WELLSFORD PL	36,363.89	0.83	3.0	2.0	1.0	6.0	102.30
8168-014-024	12055 SLAUSON AVE	99,756.76	2.29	3.0	2.0	1.0	6.0	102.30
8168-014-025	12215 SLAUSON AVE	0.00	1.00	0.0	0.0	0.0	5.0	85.25
8168-015-002	8317 SECURA WAY	4,939.70	0.11	3.0	2.0	1.0	6.0	102.30
8168-015-007	8333 SECURA WAY	55,756.80	1.28	0.0	0.0	0.0	8.0	90.93
8168-015-011	8357 SECURA WAY	7,840.80	0.18	3.0	2.0	1.0	6.0	102.30
8168-015-013	8411 SECURA WAY	17,424.00	0.40	3.0	2.0	1.0	6.0	102.30
8168-015-016	11990 RIVERA RD	19,162.04	0.44	3.0	2.0	1.0	6.0	102.30
8168-015-017	8317 SECURA WAY	10,450.04	0.24	2.0	2.0	1.0	5.0	85.25
8168-015-019	8425 SECURA WAY	11,325.60	0.26	3.0	2.0	1.0	6.0	102.30
8168-015-020	8417 SECURA WAY	12,196.80	0.28	3.0	2.0	1.0	6.0	102.30
8168-015-023	8413 SECURA WAY	25,264.80	0.58	3.0	2.0	1.0	6.0	102.30
8168-015-046	8355 SECURA WAY	10,450.04	0.24	3.0	2.0	1.0	6.0	102.30
8168-015-047	8349 SECURA WAY	21,340.04	0.49	3.0	2.0	1.0	6.0	102.30
8168-015-049	12000 RIVERA RD	29,180.84	0.67	3.0	2.0	1.0	6.0	102.30
8168-015-051	8427 SECURA WAY	16,443.90	0.38	0.0	0.0	0.0	8.0	90.93
8168-015-052	12004 RIVERA RD	12,858.91	0.30	3.0	2.0	1.0	6.0	102.30
8168-016-042	12520 SLAUSON AVE	1,304,186.40	29.94	2.0	2.0	1.0	5.0	85.25
8168-023-001	11815 BURKE ST	20,943.65	0.48	3.0	2.0	1.0	6.0	102.30
8168-023-002	8540 DICE RD	20,982.85	0.48	3.0	2.0	1.0	6.0	102.30
8168-023-003	11819 BURKE ST	25,813.66	0.59	3.0	2.0	1.0	6.0	102.30
8168-023-017	11850 SLAUSON AVE	29,093.72	0.67	1.0	0.5	0.5	2.0	34.10
8168-023-018	11850 SLAUSON AVE	19,967.90	0.46	1.0	0.5	0.5	2.0	34.10
8168-023-028	11760 SLAUSON AVE	34,307.88	0.79	2.0	2.0	1.0	5.0	85.25
8168-023-029	11748 SLAUSON AVE	38,955.71	0.89	3.0	2.0	1.0	6.0	102.30
8168-023-030	8528 DICE RD	26,057.59	0.60	3.0	2.0	1.0	6.0	102.30
8168-023-031	8518 DICE RD	25,765.74	0.59	3.0	2.0	1.0	6.0	102.30
8168-023-032	11720 SLAUSON AVE	25,243.02	0.58	3.0	2.0	1.0	6.0	102.30
8168-023-035	8633 SORESENSEN AVE	40,719.89	0.93	2.0	2.0	1.0	5.0	85.25
8168-023-037	11901 BURKE ST	34,342.70	0.79	2.0	2.0	1.0	5.0	85.25
8168-023-039	11845 BURKE ST	31,428.54	0.72	3.0	2.0	1.0	6.0	102.30
8168-023-040	11925 BURKE ST	17,167.00	0.39	3.0	2.0	1.0	6.0	102.30
8168-023-041	11919 BURKE ST	17,167.00	0.39	3.0	2.0	1.0	6.0	102.30
8168-023-042	11875 BURKE ST	68,694.12	1.58	2.0	2.0	1.0	5.0	85.25
8168-023-045	11850 SLAUSON AVE	174,296.63	4.00	1.0	0.5	0.5	2.0	34.10
8168-023-046	11933 BURKE ST	43,681.97	1.00	3.0	2.0	1.0	6.0	102.30
8168-023-048	11790 SLAUSON AVE	27,826.13	0.64	0.0	0.5	0.5	1.0	17.05
8168-023-049	11770 SLAUSON AVE	77,972.40	1.79	3.0	2.0	1.0	6.0	102.30
8168-024-003	11950 BURKE ST	19,549.73	0.45	3.0	2.0	1.0	6.0	102.30
8168-024-006	11904 BURKE ST	22,794.95	0.52	3.0	2.0	1.0	6.0	102.30
8168-024-007	11876 BURKE ST	34,198.96	0.79	3.0	2.0	1.0	6.0	102.30
8168-024-008	11862 BURKE ST	34,198.96	0.79	3.0	2.0	1.0	6.0	102.30
8168-024-009	11850 BURKE ST	36,167.87	0.83	3.0	2.0	1.0	6.0	102.30
8168-024-010	11822 BURKE ST	16,587.65	0.38	3.0	2.0	1.0	6.0	102.30
8168-024-011	11808 BURKE ST	22,951.76	0.53	2.0	2.0	1.0	5.0	85.25
8168-024-012	11926 BURKE ST	45,598.61	1.05	3.0	2.0	1.0	6.0	102.30
8168-024-013	8707 SORESENSEN AVE	38,332.80	0.88	3.0	2.0	1.0	6.0	102.30
8168-026-004	8444 SECURA WAY	23,086.80	0.53	3.0	2.0	1.0	6.0	102.30
8168-026-005	8440 SECURA WAY	11,756.84	0.27	3.0	2.0	1.0	6.0	102.30
8168-026-006	8432 SECURA WAY	11,756.84	0.27	3.0	2.0	1.0	6.0	102.30
8168-026-007	8424 SECURA WAY	10,450.04	0.24	3.0	2.0	1.0	6.0	102.30
8168-026-008	8418 SECURA WAY	10,450.04	0.24	3.0	2.0	1.0	6.0	102.30
8168-026-009	8416 SECURA WAY	11,756.84	0.27	3.0	2.0	1.0	6.0	102.30
8168-026-010	8406 SECURA WAY	11,756.84	0.27	3.0	2.0	1.0	6.0	102.30
8168-026-011	8400 SECURA WAY	11,756.84	0.27	3.0	2.0	1.0	6.0	102.30
8168-026-012	8354 SECURA WAY	11,756.84	0.27	3.0	2.0	1.0	6.0	102.30
8168-026-013	8348 SECURA WAY	10,450.04	0.24	3.0	2.0	1.0	6.0	102.30
8168-026-014	8342 SECURA WAY	10,450.04	0.24	3.0	2.0	1.0	6.0	102.30
8168-026-015	8332 SECURA WAY	43,120.04	0.99	3.0	2.0	1.0	6.0	102.30
8168-026-016	12020 RIVERA RD	22,215.60	0.51	2.0	2.0	1.0	5.0	85.25
8168-026-017	12030 RIVERA RD	9,147.60	0.21	3.0	2.0	1.0	6.0	102.30
8168-026-026	8421 CHETLE AVE	13,163.83	0.30	3.0	2.0	1.0	6.0	102.30
8168-026-027	8433 CHETLE AVE	13,094.14	0.30	1.0	0.5	0.5	2.0	34.10
8168-026-028	8433 CHETLE AVE	13,020.08	0.30	3.0	2.0	1.0	6.0	102.30
8168-026-029	8503 CHETLE AVE	12,946.03	0.30	0.0	0.5	0.5	1.0	17.05
8168-026-030	8509 CHETLE AVE	12,871.98	0.30	0.0	0.5	0.5	1.0	17.05
8168-026-039	8403 CHETLE AVE	26,854.74	0.62	3.0	2.0	1.0	6.0	102.30
8168-026-040	8409 CHETLE AVE	26,562.89	0.61	3.0	2.0	1.0	6.0	102.30
8168-026-041	8333 CHETLE AVE	27,146.59	0.62	3.0	2.0	1.0	6.0	102.30
8168-026-042	8515 CHETLE AVE	25,534.87	0.59	3.0	2.0	1.0	6.0	102.30
8168-026-043	12040 RIVERA RD	20,691.00	0.48	3.0	2.0	1.0	6.0	102.30
8168-026-044	8311 CHETLE AVE	27,651.89	0.63	3.0	2.0	1.0	6.0	102.30
8168-026-045	8533 CHETLE AVE	60,857.68	1.40	3.0	2.0	1.0	6.0	102.30
8168-027-005	9445 ANN ST	105,410.84	2.42	3.0	2.0	1.0	6.0	102.30
8168-027-007	9419 ANN ST	74,052.00	1.70	3.0	2.0	1.0	6.0	102.30
8168-027-008	9401 ANN ST	170,750.84	3.92	0.0	0.0	0.0	21,34386	242.62

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ASSESSOR'S PARCEL NUMBER	SITUS ADDRESS	LOT SQ FT	COUNTY ACREAGE	PEOPLE	INTENSITY	SECURITY	BENEFIT UNITS	ESTIMATED CHARGE
8168-027-009	9200 SORENSEN AVE	361,108.04	8.29	2.0	2.0	1.0	5.0	85.25
8168-027-011	9420 SORENSEN AVE	0.00	2.84	3.0	2.0	1.0	6.0	102.30
8168-027-012	9511 ANN ST	102,801.60	2.36	3.0	2.0	1.0	6.0	102.30
8168-027-013	9440 ANN ST	87,120.00	2.00	3.0	2.0	1.0	6.0	102.30
8168-027-015	9339 ANN ST	125,452.80	2.88	2.0	2.0	1.0	5.0	85.25
8168-027-017	9215 SANTA FE SPRINGS RD	28,749.60	0.66	2.0	2.0	1.0	5.0	85.25
8168-027-018	9233 SANTA FE SPRINGS RD	40,942.04	0.94	3.0	2.0	1.0	6.0	102.30
8168-027-019	9245 SANTA FE SPRINGS RD	24,824.84	0.57	3.0	2.0	1.0	6.0	102.30
8168-027-020	9339 ANN ST	50,960.84	1.17	3.0	2.0	1.0	6.0	102.30
8168-027-022	9331 SANTA FE SPRINGS RD	126,759.60	2.91	0.0	0.0	0.0	15.84495	270.15
8168-027-023	9306 SORENSEN AVE	564,102.00	12.95	2.0	2.0	1.0	5.0	85.25
8168-027-024	NO SITUS AVAILABLE	2,787.84	0.06	0.0	0.0	0.0	1.0	17.05
8168-027-401	8940 SORENSEN AVE	103,237.20	2.37	2.0	2.0	1.0	5.0	85.25
8168-027-402	8956 SORENSEN AVE	114,127.20	2.62	2.0	2.0	1.0	5.0	85.25
8168-027-403	9046 SORENSEN AVE	43,995.60	1.01	2.0	2.0	1.0	5.0	85.25
8168-027-404	9106 SORENSEN AVE	25,103.63	0.58	2.0	2.0	1.0	5.0	85.25
8168-027-405	NO SITUS AVAILABLE	43,560.00	1.00	0.0	0.5	0.5	1.0	17.05
8169-001-011	12000 WASHINGTON BLVD	0.00	3.56	1.0	0.5	0.5	2.0	34.10
8169-001-012	12051 RIVERA RD	0.00	0.83	1.0	1.0	1.0	3.0	51.15
8169-001-013	12055 RIVERA RD	31,293.50	0.72	2.0	2.0	1.0	5.0	85.25
8169-001-016	11954 WASHINGTON BLVD	271,378.80	6.23	2.0	2.0	1.0	5.0	85.25
8169-002-002	NO SITUS AVAILABLE	4,717.55	0.11	0.0	0.5	0.5	1.0	17.05
8169-002-005	11934 WASHINGTON BLVD	43,120.04	0.99	0.0	0.0	0.0	6.0	102.30
8169-002-008	8119 SECURA WAY	15,681.60	0.36	3.0	2.0	1.0	6.0	102.30
8169-002-009	8123 SECURA WAY	13,934.84	0.32	3.0	2.0	1.0	6.0	102.30
8169-002-011	8140 SECURA WAY	13,934.84	0.32	3.0	2.0	1.0	6.0	102.30
8169-002-014	8200 SECURA WAY	5,222.84	0.12	3.0	2.0	1.0	6.0	102.30
8169-002-015	8206 SECURA WAY	23,086.80	0.53	3.0	2.0	1.0	6.0	102.30
8169-002-016	11983 RIVERA RD	15,681.60	0.36	2.0	2.0	1.0	5.0	34.10
8169-002-022	8141 SECURA WAY	6,969.60	0.16	3.0	2.0	1.0	6.0	102.30
8169-002-023	8145 SECURA WAY	6,969.60	0.16	3.0	2.0	1.0	6.0	102.30
8169-002-025	8108 SECURA WAY	7,400.84	0.17	3.0	2.0	1.0	6.0	102.30
8169-002-026	8110 SECURA WAY	6,534.00	0.15	3.0	2.0	1.0	6.0	102.30
8169-002-027	8118 SECURA WAY	6,534.00	0.15	3.0	2.0	1.0	6.0	102.30
8169-002-028	8100 SECURA WAY	7,840.80	0.18	3.0	2.0	1.0	6.0	102.30
8169-002-029	11965 RIVERA RD	15,246.00	0.35	3.0	2.0	1.0	6.0	102.30
8169-002-030	11967 RIVERA RD	17,424.00	0.40	3.0	2.0	1.0	6.0	102.30
8169-002-031	11969 RIVERA RD	18,730.80	0.43	3.0	2.0	1.0	6.0	102.30
8169-002-032	11973 RIVERA RD	32,670.00	0.75	3.0	2.0	1.0	6.0	102.30
8169-002-033	8203 SECURA WAY	6,969.60	0.16	3.0	2.0	1.0	6.0	102.30
8169-002-034	8209 SECURA WAY	6,969.60	0.16	3.0	2.0	1.0	6.0	102.30
8169-002-035	8122 SECURA WAY	5,222.84	0.12	3.0	2.0	1.0	6.0	102.30
8169-002-036	8126 SECURA WAY	7,840.80	0.18	3.0	2.0	1.0	6.0	102.30
8169-002-043	11904 WASHINGTON BLVD	117,176.40	2.69	0.0	0.5	0.5	1.0	17.05
8169-003-005	11923 RIVERA RD	7,056.72	0.16	3.0	2.0	1.0	6.0	102.30
8169-003-006	11927 RIVERA RD	7,056.72	0.16	0.0	0.0	0.0	5.0	85.25
8169-003-007	NO SITUS AVAILABLE	7,056.72	0.16	0.0	0.5	0.5	1.0	17.05
8169-003-008	11937 RIVERA RD	7,056.72	0.16	3.0	2.0	1.0	6.0	102.30
8169-003-009	11941 RIVERA RD	7,056.72	0.16	3.0	2.0	1.0	6.0	102.30
8169-003-012	11955 RIVERA RD	7,056.72	0.16	3.0	2.0	1.0	6.0	102.30
8169-003-013	11959 RIVERA RD	11,033.75	0.25	3.0	2.0	1.0	6.0	102.30
8169-003-017	8230 SORENSEN AVE	0.00	0.73	1.0	1.0	1.0	3.0	51.15
8169-003-018	8224 SORENSEN AVE	31,885.92	0.73	3.0	2.0	1.0	6.0	102.30
8169-003-019	8214 SORENSEN AVE	31,014.72	0.71	1.0	0.5	0.5	2.0	34.10
8169-003-026	8206 SORENSEN AVE	18,377.96	0.42	3.0	2.0	1.0	6.0	102.30
8169-003-027	8202 SORENSEN AVE	13,529.74	0.31	3.0	2.0	1.0	6.0	102.30
8169-003-031	8212 SORENSEN AVE	8,106.52	0.19	3.0	2.0	1.0	6.0	102.30
8169-003-032	8210 SORENSEN AVE	8,354.81	0.19	3.0	2.0	1.0	6.0	102.30
8169-003-033	8210 SORENSEN AVE	7,496.68	0.17	3.0	2.0	1.0	6.0	102.30
8169-003-034	8208 SORENSEN AVE	7,078.50	0.16	3.0	2.0	1.0	6.0	102.30
8169-003-035	11919 RIVERA RD	7,056.72	0.16	3.0	2.0	1.0	6.0	102.30
8169-003-041	8308 SORENSEN AVE	96,703.20	2.22	2.0	2.0	1.0	5.0	85.25
8169-003-042	11945 RIVERA RD	14,126.51	0.32	3.0	2.0	1.0	6.0	102.30
8169-003-043	11808 WASHINGTON BLVD	0.00	0.49	0.0	0.0	0.0	5.0	85.25
8169-003-044	8028 SORENSEN AVE	125,017.20	2.87	0.0	0.0	0.0	6.0	102.30
8169-003-045	8110 SORENSEN AVE	217,800.00	5.00	3.0	2.0	1.0	6.0	102.30
8169-004-001	NO SITUS AVAILABLE	8,707.64	0.20	0.0	0.5	0.5	1.0	17.05
8169-004-002	11668 WASHINGTON BLVD	50,094.00	1.15	3.0	2.0	1.0	6.0	102.30
8169-004-003	11720 WASHINGTON BLVD	49,222.80	1.13	2.0	2.0	1.0	5.0	85.25
8169-004-004	11734 WASHINGTON BLVD	49,222.80	1.13	2.0	2.0	1.0	5.0	85.25
8169-004-006	11746 WASHINGTON BLVD	35,632.08	0.82	3.0	2.0	1.0	6.0	102.30
8169-004-011	11770 WASHINGTON BLVD	0.00	0.39	0.0	0.0	0.0	4.0	68.20
8169-004-016	11750 WASHINGTON BLVD	12,196.80	0.28	1.0	0.5	1.0	2.5	42.62
8169-004-017	11758 WASHINGTON BLVD	0.00	0.25	3.0	1.0	1.0	5.0	85.25
8169-004-028	8213 SORENSEN AVE	28,383.70	0.65	2.0	2.0	1.0	5.0	85.25
8169-004-029	8227 SORENSEN AVE	28,004.72	0.64	3.0	2.0	1.0	6.0	102.30
8169-004-030	11831 WAKEMAN ST	30,992.94	0.71	3.0	2.0	1.0	6.0	102.30
8169-004-031	11821 WAKEMAN ST	29,585.95	0.68	2.0	2.0	1.0	5.0	85.25
8169-004-032	11805 WAKEMAN ST	71,874.00	1.65	3.0	2.0	1.0	6.0	102.30
8169-004-042	11830 WAKEMAN ST	42,897.89	0.98	3.0	2.0	1.0	6.0	102.30
8169-004-043	8311 SORENSEN AVE	43,093.91	0.99	3.0	2.0	1.0	6.0	102.30
8169-004-044	11804 WAKEMAN ST	97,979.51	2.25	3.0	2.0	1.0	6.0	102.30
8169-004-045	11823 SLAUSON AVE	197,326.80	4.53	3.0	2.0	1.0	6.0	102.30
8169-004-046	11955 SLAUSON AVE	0.00	1.01	1.0	1.0	1.0	3.0	51.15
8169-004-049	8201 SORENSEN AVE	312,320.84	7.17	3.0	2.0	1.0	6.0	102.30
8169-004-050	8201 SORENSEN AVE	62,621.86	1.44	0.0	0.5	0.5	1.0	17.05
8169-004-051	11921 SLAUSON AVE	68,824.80	1.58	2.0	2.0	1.0	5.0	85.25

City of Santa Fe Springs
Lighting District No. 1
Fiscal Year 2017/18
Preliminary Roll

ASSESSOR'S PARCEL NUMBER	SITUS ADDRESS	LOT SQ FT	COUNTY ACREAGE	PEOPLE	INTENSITY	SECURITY	BENEFIT UNITS	ESTIMATED CHARGE
8169-005-001	11642 WASHINGTON BLVD	47,044.80	1.08	3.0	2.0	1.0	6.0	102.30
8169-005-012	8140 ALLPORT AVE	26,223.12	0.60	3.0	2.0	1.0	6.0	102.30
8169-005-014	8035 FREESTONE AVE	10,824.66	0.25	3.0	2.0	1.0	6.0	102.30
8169-005-017	11648 WASHINGTON BLVD	26,305.88	0.60	3.0	2.0	1.0	6.0	102.30
8169-005-018	NO SITUS AVAILABLE	5,074.74	0.12	1.0	0.5	0.5	2.0	34.10
8169-005-019	11664 WASHINGTON BLVD	0.00	0.33	1.0	1.0	1.0	3.0	51.15
8169-005-020	8020 FREESTONE AVE	12,719.52	0.29	3.0	2.0	1.0	6.0	102.30
8169-005-025	8122 ALLPORT AVE	22,023.94	0.51	3.0	2.0	1.0	6.0	102.30
8169-005-028	8030 FREESTONE AVE	12,157.60	0.28	3.0	2.0	1.0	6.0	102.30
8169-005-029	8038 FREESTONE AVE	11,025.04	0.25	3.0	2.0	1.0	6.0	102.30
8169-005-030	8130 ALLPORT AVE	12,601.91	0.29	3.0	2.0	1.0	6.0	102.30
8169-005-031	8122 ALLPORT AVE	13,934.84	0.32	2.0	2.0	1.0	5.0	85.25
8169-005-032	8112 FREESTONE AVE	27,002.84	0.62	2.0	2.0	1.0	5.0	85.25
8169-005-033	8124 ALLPORT AVE	31,798.80	0.73	3.0	2.0	1.0	6.0	102.30
8169-005-034	8024 ALLPORT AVE	25,608.92	0.59	3.0	2.0	1.0	6.0	102.30
8169-005-035	8036 ALLPORT AVE	25,892.06	0.59	3.0	2.0	1.0	6.0	102.30
8169-005-036	8118 ALLPORT AVE	72,004.68	1.65	3.0	2.0	1.0	6.0	102.30
8169-007-001	8338 ALLPORT AVE	42,248.84	0.97	0.0	0.0	0.0	8.0	136.40
8169-007-004	11751 SLAUSON AVE	0.00	0.26	2.0	1.0	1.0	4.0	68.20
8169-007-011	11769 SLAUSON AVE	12,466.87	0.29	3.0	2.0	1.0	6.0	102.30
8169-007-012	11765 SLAUSON AVE	18,682.88	0.43	3.0	2.0	1.0	6.0	102.30
8169-007-014	11775 SLAUSON AVE	17,458.85	0.40	3.0	2.0	1.0	6.0	102.30
8169-007-015	11779 SLAUSON AVE	23,317.67	0.54	3.0	2.0	1.0	6.0	102.30
8169-007-016	8406 ALLPORT AVE	12,601.91	0.29	3.0	2.0	1.0	6.0	102.30
8169-007-018	8406 ALLPORT AVE	4,194.83	0.10	0.0	0.5	0.5	1.0	17.05
8169-007-019	8402 ALLPORT AVE	8,049.89	0.18	3.0	2.0	1.0	6.0	102.30
8169-007-020	8200 ALLPORT AVE	28,749.60	0.66	3.0	2.0	1.0	6.0	102.30
8169-007-021	8222 ALLPORT AVE	39,639.60	0.91	3.0	2.0	1.0	6.0	102.30
8169-007-022	8226 ALLPORT AVE	41,660.78	0.96	3.0	2.0	1.0	6.0	102.30
8169-007-023	8282 ALLPORT AVE	41,721.77	0.96	3.0	2.0	1.0	6.0	102.30
8169-007-024	11807 SLAUSON AVE	14,806.04	0.34	3.0	2.0	1.0	6.0	102.30
8169-007-025	11807 SLAUSON AVE	13,499.24	0.31	2.0	2.0	1.0	5.0	85.25
8169-007-026	11807 SLAUSON AVE	13,499.24	0.31	3.0	2.0	1.0	6.0	102.30
8169-007-027	11807 SLAUSON AVE	13,499.24	0.31	3.0	2.0	1.0	6.0	102.30
8169-007-028	11805 SLAUSON AVE	16,117.20	0.37	3.0	2.0	1.0	6.0	102.30
8169-007-029	11803 SLAUSON AVE	16,117.20	0.37	3.0	2.0	1.0	6.0	102.30
8169-007-030	11801 SLAUSON AVE	23,518.04	0.54	3.0	2.0	1.0	6.0	102.30
8169-007-031	11809 SLAUSON AVE UNIT B	31,798.80	0.73	3.0	2.0	1.0	6.0	102.30
8169-007-032	11809 SLAUSON AVE	21,335.69	0.49	3.0	2.0	1.0	6.0	102.30
8169-007-033	11811 SLAUSON AVE	10,018.80	0.23	3.0	2.0	1.0	6.0	102.30
8169-007-034	11813 SLAUSON AVE	10,018.80	0.23	3.0	2.0	1.0	6.0	102.30
8169-007-035	11815 SLAUSON AVE	15,246.00	0.35	3.0	2.0	1.0	6.0	102.30
8169-007-036	11821 SLAUSON AVE	21,775.64	0.50	3.0	2.0	1.0	6.0	102.30
8169-007-037	8312 ALLPORT AVE	20,181.35	0.46	0.0	0.5	0.5	1.0	17.05
8169-007-038	8330 ALLPORT AVE	64,033.20	1.47	3.0	2.0	1.0	6.0	102.30
8169-008-002	8339 ALLPORT AVE	32,230.04	0.74	0.0	0.0	0.0	8.0	136.40
8169-008-003	8403 ALLPORT AVE	37,026.00	0.85	0.0	0.0	0.0	8.0	136.40
8169-008-014	11705 SLAUSON AVE	39,639.60	0.91	0.0	0.0	0.0	8.0	136.40
8169-008-015	8415 ALLPORT AVE	36,586.04	0.84	3.0	2.0	1.0	6.0	102.30
8169-008-017	8315 ALLPORT AVE	27,878.40	0.64	2.0	2.0	1.0	5.0	85.25
8169-008-018	8319 ALLPORT AVE	39,639.60	0.91	2.0	2.0	1.0	5.0	85.25
8169-011-014	8058 WESTMAN AVE	18,726.44	0.43	3.0	2.0	1.0	6.0	102.30
8169-011-015	8050 WESTMAN AVE	14,806.04	0.34	3.0	2.0	1.0	6.0	102.30
8169-011-016	8040 WESTMAN AVE	18,299.56	0.42	3.0	2.0	1.0	6.0	102.30
8169-011-017	8032 WESTMAN AVE	14,379.16	0.33	3.0	2.0	1.0	6.0	102.30
8169-011-018	8018 WESTMAN AVE	17,419.64	0.40	3.0	2.0	1.0	6.0	102.30
8169-011-019	11530 WASHINGTON BLVD	0.00	0.60	3.0	1.0	1.0	5.0	85.25
8169-011-021	8037 ALLPORT AVE	3,406.39	0.08	3.0	2.0	1.0	6.0	102.30
8169-011-022	8101 ALLPORT AVE	2,286.90	0.05	3.0	2.0	1.0	6.0	102.30
8169-011-023	8107 ALLPORT AVE	4,787.24	0.11	3.0	2.0	1.0	6.0	102.30
8169-011-024	8135 ALLPORT AVE	31,798.80	0.73	3.0	2.0	1.0	6.0	102.30
8169-011-026	8205 ALLPORT AVE	14,379.16	0.33	3.0	2.0	1.0	6.0	102.30
8169-011-027	8207 ALLPORT AVE	16,918.70	0.39	3.0	2.0	1.0	6.0	102.30
8169-011-028	8229 ALLPORT AVE	18,456.37	0.42	3.0	2.0	1.0	6.0	102.30
8169-011-029	8231 ALLPORT AVE	12,357.97	0.28	3.0	2.0	1.0	6.0	102.30
8169-011-030	8235 ALLPORT AVE	12,236.00	0.28	3.0	2.0	1.0	6.0	102.30
8169-011-031	8303 ALLPORT AVE	32,717.92	0.75	3.0	2.0	1.0	6.0	102.30
8169-011-032	11540 WASHINGTON BLVD	294,465.60	6.76	2.0	2.0	1.0	5.0	85.25
8169-011-033	11624 WASHINGTON BLVD	0.00	0.63	3.0	1.0	1.0	5.0	85.25
8169-011-037	11626 WASHINGTON BLVD	0.00	0.71	2.0	2.0	2.0	6.0	102.30
8169-011-038	11701 SLAUSON AVE	135,907.20	3.12	0.0	0.0	0.0	5.0	85.25
8169-012-006	8032 BROADWAY AVE	0.00	0.11	1.0	1.0	1.0	3.0	51.15
8169-012-017	8044 BROADWAY AVE	0.00	0.30	2.0	1.0	1.0	4.0	68.20
8169-012-018	8100 BROADWAY AVE	0.00	0.60	1.0	1.0	1.0	3.0	51.15
8169-012-047	11508 WASHINGTON BLVD	121,968.00	2.80	2.0	1.0	1.0	4.0	68.20
8169-012-050	11400 WASHINGTON BLVD	67,953.60	1.56	0.0	0.0	0.0	4.0	68.20
8169-012-051	11426 WASHINGTON BLVD	68,389.20	1.57	0.0	0.0	0.0	4.0	68.20
8169-021-019	11506 SLAUSON AVE	0.00	0.42	3.0	1.0	1.0	5.0	85.25
8169-021-024	11610 SLAUSON AVE	0.00	0.57	1.0	1.0	1.0	3.0	51.15
8169-021-025	11534 SLAUSON AVE	0.00	0.53	1.0	1.0	1.0	3.0	51.15
8169-021-026	NO SITUS AVAILABLE	0.00	0.09	0.0	0.5	0.5	1.0	17.05
8169-021-027	11520 SLAUSON AVE	14,374.80	0.33	2.0	1.0	1.0	4.0	68.20
8169-021-029	11700 SLAUSON AVE	33,109.96	0.76	3.0	2.0	1.0	6.0	102.30
8169-027-046	8623 DICE RD	108,464.40	2.49	3.0	2.0	1.0	6.0	102.30
8169-027-047	8535 DICE RD	51,400.80	1.18	3.0	2.0	1.0	6.0	102.30
8169-027-048	8607 DICE RD	39,269.34	0.90	2.0	2.0	1.0	5.0	85.25
8169-027-051	11721 BURKE ST	72,309.60	1.66	0.0	0.0	0.0	2.0	34.10

City of Santa Fe Springs
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ASSESSOR'S PARCEL NUMBER	SITUS ADDRESS	LOT SQ FT	COUNTY ACREAGE	PEOPLE	INTENSITY	SECURITY	BENEFIT UNITS	ESTIMATED CHARGE
8169-027-052	NO SITUS AVAILABLE	7,291.94	0.17	0.0	0.5	0.5	1.0	17.05
8169-027-053	NO SITUS AVAILABLE	2,469.85	0.06	0.0	0.5	0.5	1.0	17.05
8176-017-005	NO SITUS AVAILABLE	57,934.80	1.33	0.0	0.0	0.0	8.40055	143.22
8176-017-006	NO SITUS AVAILABLE	71,438.40	1.64	0.0	0.0	0.0	10.35857	176.61
8176-017-008	NO SITUS AVAILABLE	13,455.68	0.31	0.0	0.0	0.0	8.0	136.40
8176-017-010	7910 NORWALK BLVD	8,359.16	0.19	0.0	0.0	0.0	8.0	136.40
8176-017-012	7916 NORWALK BLVD	53,578.80	1.23	0.0	0.0	0.0	8.0	136.40
8176-017-013	11143 WASHINGTON BLVD	40,480.31	0.93	0.0	0.0	0.0	8.0	136.40
8176-017-014	11139 WASHINGTON BLVD	0.00	0.38	3.0	1.0	1.0	5.0	85.25
8176-017-015	11153 WASHINGTON BLVD	71,874.00	1.65	0.0	0.0	0.0	10.42173	177.69
8176-017-016	11161 WASHINGTON BLVD	49,658.40	1.14	0.0	0.0	0.0	8.0	136.40
8176-017-017	11213 WASHINGTON BLVD	27,935.03	0.64	0.0	0.0	0.0	8.0	136.40
8176-017-018	11223 WASHINGTON BLVD	10,476.18	0.24	0.0	0.0	0.0	8.0	136.40
8176-017-019	11235 WASHINGTON BLVD	34,429.82	0.79	0.0	0.0	0.0	8.0	136.40
8176-017-029	7930 NORWALK BLVD	14,549.04	0.33	0.0	0.0	0.0	8.0	136.40
8176-017-030	7810 NORWALK BLVD	179,902.80	4.13	0.0	0.0	0.0	26.08591	444.76
8177-029-270	NO SITUS AVAILABLE	60,548.40	1.39	0.0	0.0	0.0	1.0	17.05
8177-031-009	8741 PIONEER BLVD	87,120.00	2.00	3.0	2.0	1.0	6.0	102.30
8177-031-010	8807 PIONEER BLVD	48,782.84	1.12	3.0	2.0	1.0	6.0	102.30
8177-031-013	8731 PIONEER BLVD	19,602.00	0.45	2.0	2.0	1.0	5.0	85.25
8177-031-017	NO SITUS AVAILABLE	13,499.24	0.31	0.0	0.0	0.0	1.0	17.05
8177-031-018	NO SITUS AVAILABLE	14,740.70	0.34	0.0	0.0	0.0	2.5	42.62
8177-031-019	8839 PIONEER BLVD	139,392.00	3.20	2.0	2.0	1.0	5.0	85.25
8178-001-015	11208 WASHINGTON BLVD	33,976.80	0.78	1.0	1.0	1.0	3.0	51.15
8178-001-016	11230 WASHINGTON BLVD	21,780.00	0.50	2.0	2.0	2.0	6.0	102.30
8178-001-026	11130 WASHINGTON BLVD	95,827.64	2.20	2.0	1.0	1.0	4.0	68.20
8178-001-027	NO SITUS AVAILABLE	21,780.00	0.50	1.0	0.5	1.0	2.5	42.62
8178-001-045	11330 WASHINGTON BLVD	92,342.84	2.12	2.0	1.0	1.0	4.0	68.20
8178-001-049	8118 NORWALK BLVD	0.00	0.39	4.0	2.0	2.0	8.0	136.40
8178-001-054	11236 WASHINGTON BLVD	0.00	0.20	3.0	1.0	1.0	5.0	85.25
8178-001-055	8018 BOER AVE	0.00	0.25	3.0	1.0	1.0	5.0	85.25
8178-001-059	11242 WASHINGTON BLVD	0.00	0.30	0.0	0.0	0.0	5.0	85.25
8178-001-060	11300 WASHINGTON BLVD	0.00	0.76	0.0	0.0	0.0	5.0	85.25
8178-001-061	11302 WASHINGTON BLVD	0.00	0.65	0.0	0.0	0.0	4.0	68.20
8178-004-004	8039 NORWALK BLVD	15,681.60	0.36	2.0	1.0	1.0	4.0	68.20
8178-004-005	8045 NORWALK BLVD	0.00	0.36	2.0	2.0	2.0	6.0	102.30
8178-004-009	8013 NORWALK BLVD	31,358.84	0.72	2.0	1.0	1.0	4.0	68.20
8178-004-065	NO SITUS AVAILABLE	0.00	0.43	0.0	0.0	0.0	1.0	17.05
8178-004-068	11036 WASHINGTON BLVD	0.00	0.92	1.0	1.0	1.0	3.0	51.15
8178-033-050	8905 NORWALK BLVD	0.00	0.44	0.0	0.5	0.5	1.0	17.05
8178-033-054	11584 PERKINS AVE	0.00	0.73	1.0	1.0	1.0	3.0	51.15
8178-033-056	11548 PERKINS AVE	5,924.16	0.14	3.0	2.0	1.0	6.0	102.30
8178-033-057	11546 PERKINS AVE	0.00	0.13	1.0	1.0	1.0	3.0	51.15
8178-033-058	11544 PERKINS AVE	45,067.18	1.03	3.0	2.0	1.0	6.0	102.30
8178-033-063	11578 PERKINS AVE	13,385.99	0.31	0.0	0.5	0.5	1.0	17.05
8178-035-008	11703 LOS NIETOS RD	50,481.68	1.16	3.0	2.0	1.0	6.0	102.30
8178-035-010	11621 LOS NIETOS RD	53,578.80	1.23	2.0	2.0	1.0	5.0	85.25
8178-035-011	11637 LOS NIETOS RD	20,399.15	0.47	2.0	2.0	1.0	5.0	85.25
8178-035-012	11517 LOS NIETOS RD	89,398.19	2.05	3.0	2.0	1.0	6.0	102.30
8178-035-014	NO SITUS AVAILABLE	0.00	0.15	0.0	0.5	0.5	1.0	17.05
8178-035-016	9023 NORWALK BLVD	160,736.40	3.69	2.0	2.0	1.0	5.0	85.25
8178-037-003	8724 MILLERGROVE DR	0.00	8.00	3.0	2.0	1.0	6.0	102.30
8178-037-004	8834 MILLERGROVE DR	338,456.84	7.77	0.0	0.0	0.0	42.30711	721.33
8178-037-012	8825 MILLERGROVE DR	0.00	7.73	3.0	2.0	1.0	6.0	102.30
8178-037-014	8721 MILLERGROVE DR	135,902.84	3.12	3.0	2.0	1.0	6.0	102.30
8178-037-017	NO SITUS AVAILABLE	4,356.00	0.10	0.0	0.5	0.5	1.0	17.05
8178-037-019	8739 MILLERGROVE DR	6,102.76	0.14	3.0	2.0	1.0	6.0	102.30
8178-037-020	8750 PIONEER BLVD	7,975.84	0.18	2.0	2.0	1.0	5.0	85.25
8178-037-028	8844 MILLERGROVE DR	164,656.80	3.78	2.0	2.0	1.0	5.0	85.25
8178-037-029	NO SITUS AVAILABLE	182,952.00	4.20	0.0	0.5	0.5	1.0	17.05
8178-037-030	NO SITUS AVAILABLE	25,879.00	0.59	0.0	0.5	0.5	1.0	17.05
7005-001-803	NO SITUS AVAILABLE	0.00	0.00	0.0	0.5	0.5	1.0	17.05
7005-003-806	NO SITUS AVAILABLE	0.00	0.00	1.0	1.0	1.0	3.0	51.15
7005-003-807	NO SITUS AVAILABLE	0.00	0.00	1.0	1.0	1.0	3.0	51.15
7005-007-801	NO SITUS AVAILABLE	0.00	0.00	0.0	0.0	0.0	8.0	136.40
7005-014-801	NO SITUS AVAILABLE	0.00	0.00	3.0	2.0	1.0	6.0	102.30
7005-014-803	NO SITUS AVAILABLE	0.00	0.00	0.0	0.0	0.0	1.0	17.05
8002-019-807	NO SITUS AVAILABLE	0.00	0.00	0.0	0.5	0.5	1.0	17.05
8002-021-801	NO SITUS AVAILABLE	0.00	0.00	1.0	0.5	1.0	2.5	42.62
8168-002-804	NO SITUS AVAILABLE	0.00	0.00	2.0	2.0	1.0	5.0	85.25
8177-029-815	NO SITUS AVAILABLE	0.00	0.00	0.0	0.5	0.5	1.0	17.05
8177-029-825	NO SITUS AVAILABLE	0.00	0.00	0.0	0.0	0.0	2.5	42.62
8178-035-810	NO SITUS AVAILABLE	0.00	0.00	0.0	0.5	0.5	1.0	17.05
8178-035-815	NO SITUS AVAILABLE	0.00	0.00	0.0	0.0	0.0	8.0	136.40
Total Applied Charge:							11,437.07	\$193,772.02
Parcel Count:								1,901

RESOLUTION NO. 9553

**RESOLUTION OF THE CITY COUNCIL OF
THE CITY OF SANTA FE SPRINGS
DECLARING ITS INTENTION TO PROVIDE FOR AN ANNUAL LEVY AND
COLLECTION OF ASSESSMENTS FOR CERTAIN MAINTENANCE
IN AN EXISTING DISTRICT, PURSUANT TO
THE PROVISIONS OF DIVISION 15, PART 2 OF THE
STREETS AND HIGHWAYS CODE OF THE STATE OF
CALIFORNIA, AND SETTING A TIME AND PLACE FOR
PUBLIC HEARING THEREON**

WHEREAS, the CITY COUNCIL of the CITY OF SANTA FE SPRINGS, CALIFORNIA has previously formed a lighting district pursuant to terms and provisions of the "Landscaping and Lighting Act of 1972", being Division 15, Part 2 of the Streets and Highways Code of the State of California, in what is known and designated as

**CITY OF SANTA FE SPRINGS
LIGHTING DISTRICT NO. 1**

(hereinafter referred to as the "District")' and,

WHEREAS, at this time, this City Council is desirous to take proceedings to provide for the annual levy of assessments for the next ensuing fiscal year, to provide for the costs and expenses necessary for continual maintenance of improvements within said District; and,

WHEREAS, at this time there has been presented and approved by this City Council, the Engineer's "Report" as required by law, and this City Council is desirous of proceeding with the proceedings for said annual levy.

NOW, THEREFORE, IT IS HEREBY RESOLVED AS FOLLOWS:

SECTION 1. That the above recitals are true and correct.

PUBLIC INTEREST

SECTION 2. That the public interest and convenience requires, and it is the intention of this City Council, to undertake proceedings for the annual levy and collection of special assessments for the continual maintenance of certain improvements, all to serve and benefit said District as said area is shown and delineated on a map as previously approved by this City Council and on file in the Office of the City Clerk, open to public

inspection, and herein so referenced and made a part hereof, and proposed changes thereto are set forth in the "Report" of the Engineer, incorporated herein as a part hereof.

REPORT

SECTION 3. That the "Report" of the Engineer regarding the annual levy for said District, which "Report" is for maintenance for the Fiscal Year 2017/2018 is hereby approved and is directed to be filed in the Office of the City Clerk.

SECTION 4. That the public interest and convenience requires, and it is the intention of this City Council to order the annual assessment levy for the District as set forth and described in said Engineer's "Report," and further it is determined to be in the best public interest and convenience to levy and collect annual assessments to pay the costs and expenses of said maintenance and improvement as estimated in said "Report."

DESCRIPTION OF MAINTENANCE

SECTION 5. The assessments levied and collected shall be for the maintenance of certain improvements, as set forth in the Engineer's "Report," referenced and so incorporated herein.

COUNTY AUDITOR

SECTION 6. The County Auditor shall enter on the County Assessment Roll the amount of the assessments, and shall collect said assessments at the time and in the same manner as County taxes are collected. After collection by the County, the net amount of the assessments, after the deduction of any compensation due to the County for collection, shall be paid to the Treasurer for purposes of paying for the costs and expenses of said District.

SPECIAL FUND

SECTION 7. That all monies collected shall be deposited in a special fund known as

"SPECIAL FUND
CITY OF SANTA FE SPRINGS
LIGHTING DISTRICT NO. 1"

Payment shall be made out of said fund only for the purpose provided for in this Resolution, and in order to expedite the making of this maintenance and improvement, the City Council may transfer into said special fund, from any available source, such funds as it may deem necessary to expedite the proceedings. Any funds shall be repaid out of the proceeds of the assessments provided for in this Resolution.

BOUNDARIES OF THE DISTRICT

SECTION 8. Said contemplated maintenance work is, in the opinion of this City Council, of direct benefit to the properties within the boundaries of the District, and this City Council makes the costs and expenses of said maintenance chargeable upon a district, which district said City Council declares to be the district benefited by said improvement and maintenance, and to be further assessed to pay the costs and expenses thereof. Said District, shall include each and every parcel of land within the boundaries of said District, as said District is shown on a map as approved by this City Council and on file in the Office of the City Clerk, and designated by the name of the District.

PUBLIC PROPERTY

SECTION 9. Any lots or parcels of land known as public property, as the same are defined in Section 22663 of Division 15, Part 2 of the Streets and Highways Code of the State of California, which are included within the boundaries of the District, shall be omitted and exempt from any assessment to be made under these proceedings to cover any of the costs and expenses of said improvement and maintenance work.

PUBLIC HEARING

SECTION 10. NOTICE IS HEREBY GIVEN THAT THURSDAY, THE 13th DAY OF JULY, 2017 AT THE HOUR OF 6:00 O'CLOCK P.M., IN THE REGULAR MEETING OF THE CITY COUNCIL, BEING THE COUNCIL CHAMBERS, IS THE TIME AND PLACE FIXED BY THIS CITY COUNCIL FOR THE HEARING OF PROTESTS OR OBJECTIONS IN REFERENCE TO THE ANNUAL LEVY OF ASSESSMENTS, TO THE EXTENT OF THE MAINTENANCE, AND ANY OTHER MATTERS CONTAINED IN THIS RESOLUTION, ANY PERSONS WHO WISH TO OBJECT TO THE PROCEEDINGS FOR THE ANNUAL LEVY SHOULD FILE A WRITTEN PROTEST WITH THE CITY CLERK PRIOR TO THE TIME SET AND SCHEDULED FOR SAID PUBLIC HEARING.

NOTICE

SECTION 11. That the City Clerk is hereby authorized and directed to publish a copy of this Resolution. Said publication shall be not less than ten (10) days before the date for said Public Hearing.

EFFECTIVE DATE

SECTION 12. That this Resolution shall take effect immediately upon its adoption.

PROCEEDINGS INQUIRIES

SECTION 13. For any and all information relating to the proceedings, protest procedure, any documentation and/or information of a procedural or technical nature, your attention is directed to the below listed person at the local agency or department so designated:

Noe Negrete
City Engineer
CITY OF SANTA FE SPRINGS
11710 Telegraph Road
Santa Fe Springs, CA 90670
(562) 868-0511

APPROVED and **ADOPTED** this 22nd day of June, 2017 by the following roll call vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

SS _____
WILLIAM K. ROUNDS, MAYOR

ATTEST:

SS _____
JANET MARTINEZ, CITY CLERK

RESOLUTION NO. 9554

**RESOLUTION OF THE CITY COUNCIL OF
THE CITY OF SANTA FE SPRINGS
DECLARING ITS INTENTION TO PROVIDE FOR AN ANNUAL LEVY AND
COLLECTION OF ASSESSMENTS FOR CERTAIN MAINTENANCE
IN AN EXISTING DISTRICT, PURSUANT TO
THE PROVISIONS OF DIVISION 15, PART 2 OF THE
STREETS AND HIGHWAYS CODE OF THE STATE OF
CALIFORNIA, AND SETTING A TIME AND PLACE FOR
PUBLIC HEARING THEREON**

WHEREAS, the CITY COUNCIL of the CITY OF SANTA FE SPRINGS, CALIFORNIA has previously formed a lighting district pursuant to terms and provisions of the "Landscaping and Lighting Act of 1972", being Division 15, Part 2 of the Streets and Highways Code of the State of California, in what is known and designated as

**CITY OF SANTA FE SPRINGS
LIGHTING DISTRICT NO. 1**

(hereinafter referred to as the "District")' and,

WHEREAS, at this time, this City Council is desirous to take proceedings to provide for the annual levy of assessments for the next ensuing fiscal year, to provide for the costs and expenses necessary for continual maintenance of improvements within said District; and,

WHEREAS, at this time there has been presented and approved by this City Council, the Engineer's "Report" as required by law, and this City Council is desirous of proceeding with the proceedings for said annual levy.

NOW, THEREFORE, IT IS HEREBY RESOLVED AS FOLLOWS:

SECTION 1. That the above recitals are true and correct.

PUBLIC INTEREST

SECTION 2. That the public interest and convenience requires, and it is the intention of this City Council, to undertake proceedings for the annual levy and collection of special assessments for the continual maintenance of certain improvements, all to serve and benefit said District as said area is shown and delineated on a map as previously approved by this City Council and on file in the Office of the City Clerk, open to public

inspection, and herein so referenced and made a part hereof, and proposed changes thereto are set forth in the "Report" of the Engineer, incorporated herein as a part hereof.

REPORT

SECTION 3. That the "Report" of the Engineer regarding the annual levy for said District, which "Report" is for maintenance for the Fiscal Year 2016/2017 is hereby approved and is directed to be filed in the Office of the City Clerk.

SECTION 4. That the public interest and convenience requires, and it is the intention of this City Council to order the annual assessment levy for the District as set forth and described in said Engineer's "Report," and further it is determined to be in the best public interest and convenience to levy and collect annual assessments to pay the costs and expenses of said maintenance and improvement as estimated in said "Report."

DESCRIPTION OF MAINTENANCE

SECTION 5. The assessments levied and collected shall be for the maintenance of certain improvements, as set forth in the Engineer's "Report," referenced and so incorporated herein.

COUNTY AUDITOR

SECTION 6. The County Auditor shall enter on the County Assessment Roll the amount of the assessments, and shall collect said assessments at the time and in the same manner as County taxes are collected. After collection by the County, the net amount of the assessments, after the deduction of any compensation due to the County for collection, shall be paid to the Treasurer for purposes of paying for the costs and expenses of said District.

SPECIAL FUND

SECTION 7. That all monies collected shall be deposited in a special fund known as

"SPECIAL FUND
CITY OF SANTA FE SPRINGS
LIGHTING DISTRICT NO. 1"

Payment shall be made out of said fund only for the purpose provided for in this Resolution, and in order to expedite the making of this maintenance and improvement, the City Council may transfer into said special fund, from any available source, such funds as it may deem necessary to expedite the proceedings. Any funds shall be repaid out of the proceeds of the assessments provided for in this Resolution.

BOUNDARIES OF THE DISTRICT

SECTION 8. Said contemplated maintenance work is, in the opinion of this City Council, of direct benefit to the properties within the boundaries of the District, and this City Council makes the costs and expenses of said maintenance chargeable upon a district, which district said City Council declares to be the district benefited by said improvement and maintenance, and to be further assessed to pay the costs and expenses thereof. Said District, shall include each and every parcel of land within the boundaries of said District, as said District is shown on a map as approved by this City Council and on file in the Office of the City Clerk, and designated by the name of the District.

PUBLIC PROPERTY

SECTION 9. Any lots or parcels of land known as public property, as the same are defined in Section 22663 of Division 15, Part 2 of the Streets and Highways Code of the State of California, which are included within the boundaries of the District, shall be omitted and exempt from any assessment to be made under these proceedings to cover any of the costs and expenses of said improvement and maintenance work.

PUBLIC HEARING

SECTION 10. NOTICE IS HEREBY GIVEN THAT THURSDAY, THE 13th DAY OF JULY, 2017 AT THE HOUR OF 6:00 O'CLOCK P.M., IN THE REGULAR MEETING OF THE CITY COUNCIL, BEING THE COUNCIL CHAMBERS, IS THE TIME AND PLACE FIXED BY THIS CITY COUNCIL FOR THE HEARING OF PROTESTS OR OBJECTIONS IN REFERENCE TO THE ANNUAL LEVY OF ASSESSMENTS, TO THE EXTENT OF THE MAINTENANCE, AND ANY OTHER MATTERS CONTAINED IN THIS RESOLUTION, ANY PERSONS WHO WISH TO OBJECT TO THE PROCEEDINGS FOR THE ANNUAL LEVY SHOULD FILE A WRITTEN PROTEST WITH THE CITY CLERK PRIOR TO THE TIME SET AND SCHEDULED FOR SAID PUBLIC HEARING.

NOTICE

SECTION 11. That the City Clerk is hereby authorized and directed to publish a copy of this Resolution. Said publication shall be not less than ten (10) days before the date for said Public Hearing.

EFFECTIVE DATE

SECTION 12. That this Resolution shall take effect immediately upon its adoption.

PROCEEDINGS INQUIRIES

SECTION 13. For any and all information relating to the proceedings, protest procedure, any documentation and/or information of a procedural or technical nature, your attention is directed to the below listed person at the local agency or department so designated:

Noe Negrete
City Engineer
CITY OF SANTA FE SPRINGS
11710 Telegraph Road
Santa Fe Springs, CA 90670
(562) 868-0511

APPROVED and **ADOPTED** this 22nd day of June, 2017 by the following roll call vote:

AYES:

NOES:

ABSENT:

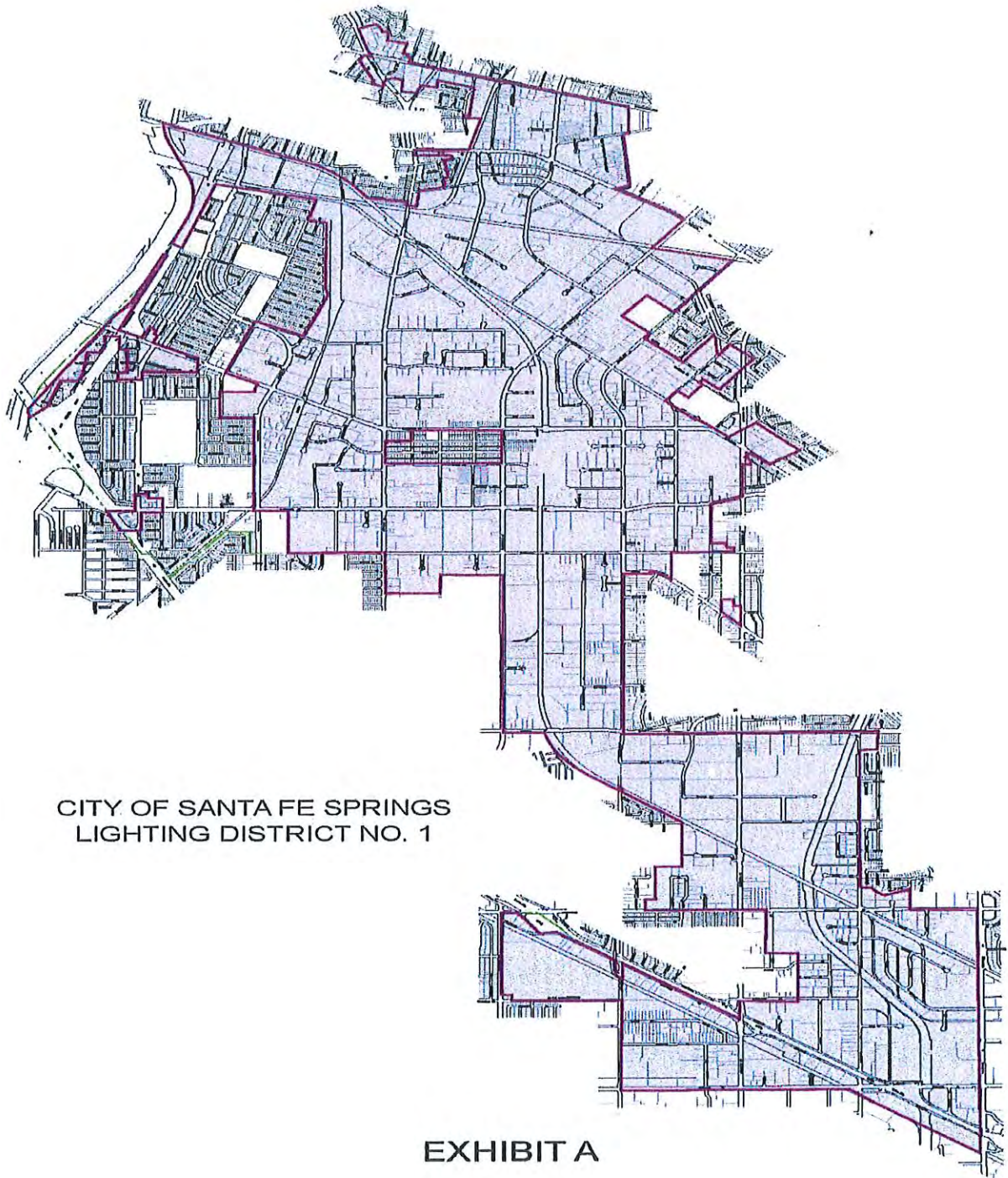
ABSTAIN:

SS _____
WILLIAM K. ROUNDS, MAYOR

ATTEST:

SS _____
JANET MARTINEZ, CITY CLERK

EXHIBIT A – DISTRICT ASSESSMENT DIAGRAM



CITY OF SANTA FE SPRINGS
LIGHTING DISTRICT NO. 1

EXHIBIT A



PROCLAMATION

Proclaiming the Month of July 2017 as Parks Make Life Better in Santa Fe Springs

RECOMMENDATION

That the City Council proclaim the month of July 2017 as Parks Make Life Better in Santa Fe Springs

BACKGROUND

The California Parks and Recreation Society (CPRS) celebrates the month of July as "Parks Make Life Better" across the state of California and beyond. "Parks make life better" consists of the following promise and campaign message.

Our Promise:

Parks and recreation makes lives and communities better now and in the future by providing access to the serenity and inspiration of nature; outdoor space to play & exercise; facilities for self-directed & organized recreation; positive alternatives for youth which help lower crime & mischief and activities that facilitate social connections, human development, therapy, the arts, & lifelong learning.

Campaign Message:

The campaign has 6 core message concepts: Play, Nature, Exercise, Positive Spaces, Gathering Places, & Forever.

- Play - Safe, outdoor space
 - "For us, the biggest benefit is a safe, outdoor play space for our kids today... and as they grow."
- Nature - Beauty and serenity
 - "Being in nature makes me feel alive. I feel lucky to have this beautiful, serene place so close to home. I want my grandkids to have the same appreciation for parks."
- Exercise - Healthy movement
 - "Parks are made for moving at your own pace -- our family walks, plays and cycles. The recreation programs make it easy to stay healthy."
- Positive Spaces - Free-time fun
 - "My neighborhood park is more than a place to chill. It keeps me thinking straight and away from trouble. It's free -- and it's really fun."
- Gathering Places - Socializing and learning
 - "Parks are like holidays, bringing us together to share good times. They are the common ground that connects us all."
- Forever - Valued today and always
 - "Parks enrich our lives. They add value to our homes and neighborhoods. Individually and as a community, we'll always have that



City of Santa Fe Springs

City Council Meeting

June 22, 2017

need."

This summer the City of Santa Fe Springs will be promoting the "Parks Make Life Better" campaign in a variety of ways. The Parks and Recreation Services Division will be sharing photos on the City's Facebook page for proclaiming the month of July as "Parks Make Life Better" and expanding the Movies and Concerts series to every Friday evening in July for a total of 9 weeks over the course of the summer.

As we observe the month of July as "Parks Make Life Better", we acknowledge the contributions of the employees and volunteers throughout the City who assist parks and recreation programming. These dedicated supporters keep public parks clean and safe for visitors. They organize and coach youth sports teams, provide recreation and leisure activities to stimulate and create physical and emotional growth for all segments of the community, and advocate for open space preservation. They ensure that public parks and recreation facilities are safe and accessible places for all citizens to "play."

The Mayor may wish to call upon Adam Matsumoto, Parks & Recreation Services Manager to assist with the presentation.

A handwritten signature in black ink, appearing to read "Thaddeus McCormack".

Thaddeus McCormack
City Manager

Attachment

July 2017 - Parks Make Life Better Proclamation

WHEREAS, Parks and Recreation makes lives and communities better now and in the future; and

WHEREAS, it is established through statewide public opinion research, 98% of California households visit a local park at least once a year; two in three households visit a park once a month; 50% of households participate in an organized recreation program; and most park use is with family and friends; and

WHEREAS, residents value recreation as it provides positive alternatives for children and youth to reduce crime and mischief especially during nonschool hours; it promotes the arts, it increases social connections; aids in therapy; and promotes lifelong learning; and

WHEREAS, the residents of Santa Fe Springs including children, youth, families, adults, seniors, businesses, community organizations, and visitors benefit from the wide range of parks, open space, sports fields, facilities and programs including Santa Fe Springs, Little Lake, Lakeview, and Los Nietos Parks provided by City of Santa Fe Springs.

WHEREAS, the City of Santa Fe Springs City Council urges all its residents to recognize that parks and recreation enriches the lives of its residents and visitors as well as adding value to the community's homes and neighborhoods.

NOW, THEREFORE, be it resolve that I, William K. Rounds, Mayor of the City of Santa Fe Springs, proclaim July, 2017 as "Parks Make Life Better" Month

"Parks Make Life Better" Month

The City of Santa Fe Springs urges all its citizens to use and enjoy its parks, facilities and recreation opportunities.

Dated this 22nd day of June 2017

William K. Rounds, MAYOR

ATTEST:

Janet Martinez, CITY CLERK



City of Santa Fe Springs

City Council Meeting

June 22, 2017

APPOINTMENTS TO BOARDS, COMMITTEES, COMMISSIONS

Committee Re-appointments

RECOMMENDATION:

That the City Council re-appoint interested committee members to City Council Advisory Committees.

According to the standard committee bylaws, one-half of the membership of each City Council Advisory Committee will have terms expiring June 30 of odd-numbered years and one-half of the membership will have terms expiring June 30 of even-numbered years. The terms were originally picked by random drawing.

Attached are re-appointment lists showing the names of those committee members whose terms expired on June 30, 2017. There are three columns under each committee heading. The left column lists the names of those members who are requesting re-appointment. The column on the right lists those members whose terms are up, but are not interested in re-appointment.

A handwritten signature in black ink, appearing to read "Thaddeus McCormack".

Thaddeus McCormack
City Manager

Attachments:

Committee Re-appointment Lists

RICHARD MOORE
RE-APPOINTMENT LIST

Committee	Interested	Not Interested	Not Responded
Beautification			
	Guadalupe Placensia		
Family & Human Services			
	Martha Villanueva		
	Margaret Bustos		
Historical			
	Amparo Oblea		
	George Felix Jr.		
Parks & Recreation			
	Adrian Romero		
	William Logan		
	Ralph Aranda		
	Kurt Hamra		
Senior Citizens			
	Astrid Shesterkin		
Sister City			
	Mary Reed		
	Peggy Radoumis		
	Francis Carbajal		
Youth Leadership			
			Richard Aguilar
			Zachary Varela (no longer eligible)*

*Per the committee by-laws, once a committee member graduates from High school, his/her term will end June 30th following graduation.

JUANITA TRUJILLO
RE-APPOINTMENT LIST

Committee	Interested	Not Interested	Not Responded
Beautification			
Family & Human Services			
	Bonnie Fox		
Historical			
	Merrie Hathaway		
Parks & Recreation			
	Anthony Ambris		
	Arcelia Miranda		
Senior Citizens			
	Margaret Bustos		
Sister City			
		Dolores Romero	
	Marcella Obregon		
Youth Leadership			
	Paul Legarreta		

JOE ANGEL ZAMORA
RE-APPOINTMENT LIST

Committee	Interested	Not Interested	Not Responded
Beautification			
	Vada Conrad		
	Joseph Saiza		
Family & Human Services			
	Tina Delgado		
	Gilbert Aguirre		
Historical	Larry Oblea		
Parks & Recreation			
	Sally Gaitan		
Senior Citizens			
	Amelia Acosta		
Sister City			
	Doris Yarwood		
Youth Leadership			
			Metzli Mercado-Garcia (No longer eligible)*

*Per the committee by-laws, once a committee member graduates from High school, his/her term will end June 30th following graduation.

JAY SARNO
RE-APPOINTMENT LIST

Committee	Interested	Not Interested	Not Responded
Beautification	May Sharp		
Family & Human Services	Hilda Zamora		
Historical	Sally Gaitan		
Parks & Recreation	Lisa Garcia		
	David Diaz-Infante		
Senior Citizens	Hilda Zamora		
Sister City	Cathy Guerrero		
Youth Leadership	Rafael Gomez		

WILLIAM ROUNDS
RE-APPOINTMENT LIST

Committee	Interested	Not Interested	Not Responded
Beautification			
	Mary Arias		
	Marlene Vernava		
Family & Human Services			
	Janie Aguirre		
	Peggy Radoumis		
Historical			
	Mark Scoggins		
	Janice Smith		
Parks & Recreation			
	Tim Arnold		
	Mark Scoggins		
Senior Citizens			
	Gilbert Aguirre		
	Lorena Huitron		
	Janie Aguirre		
Sister City			
Youth Leadership			
			Jennisa Casillas



City of Santa Fe Springs

City Council Meeting

June 22, 2017

APPOINTMENTS TO COMMITTEES AND COMMISSIONS

Committee	Vacancies	Councilmember
Beautification	3	Moore
Beautification	1	Rounds
Beautification	3	Sarno
Beautification	1	Trujillo
Historical	1	Rounds
Historical	3	Sarno
Historical	3	Trujillo
Historical	3	Zamora
Parks & Recreation	1	Rounds
Parks & Recreation	2	Sarno
Parks & Recreation	1	Trujillo
Parks & Recreation	2	Zamora
Senior Citizens	3	Moore
Senior Citizens	1	Rounds
Senior Citizens	1	Sarno
Senior Citizens	4	Trujillo
Senior Citizens	1	Zamora
Sister City	2	Rounds
Sister City	3	Sarno
Sister City	2	Trujillo
Sister City	2	Zamora
Youth Leadership	1	Moore
Youth Leadership	1	Sarno
Youth Leadership	1	Trujillo
Youth Leadership	3	Zamora

Applications Received: None.

Recent Actions: None.

A handwritten signature in blue ink, appearing to read "Thaddeus McCormack".

Thaddeus McCormack
City Manager

Attachments:

Committee Lists

Prospective Members

Prospective Members for Various Committees/Commissions

Beautification

Community Program

Family & Human Services

Heritage Arts

Historical

Personnel Advisory Board

Parks & Recreation

Frank Aguayo Sr.
Rudy Legarreta Jr.

Planning Commission

Senior Citizens Advisory

Frank Aguayo Sr.

Sister City

Traffic Commission

Youth Leadership

BEAUTIFICATION COMMITTEE

Meets the fourth Wednesday of each month, except July, Aug, Dec.

9:30 a.m., Town Center Hall

Qualifications: 18 Years of age, reside or active in the City

Membership: 25

APPOINTED BY	NAME	TERM EXPIRES JUNE 30 OF
Moore	Juliet Ray	(18)
	Vacant	(18)
	Vacant	(17)
	Guadalupe Placencia	(17)
	Vacant	(17)
Zamora	Mary Reed	(18)
	Charlotte Zevallos	(18)
	Doris Yarwood	(18)
	Vada Conrad	(17)
	Joseph Saiza	(17)
Rounds	Sadie Calderon	(18)
	Rita Argott	(18)
	Mary Arias	(17)
	Marlene Vernava	(17)
	Vacant	(17)
Sarno	Vacant	(18)
	Irene Pasillas	(18)
	Vacant	(18)
	May Sharp	(17)
	Vacant	(17)
Trujillo	Mary Jo Haller	(18)
	Nora Walsh	(18)
	Margaret Bustos*	(18)
	Vacant	(17)

**Indicates person currently serves on three committees*

FAMILY & HUMAN SERVICES ADVISORY COMMITTEE

Meets the third Wednesday of the month, except Jul., Aug., Sept., and Dec., at 5:45 p.m., Gus Velasco Neighborhood Center

Qualifications: 18 Years of age, reside or active in the City

Membership: 15 Residents Appointed by City Council

5 Social Service Agency Representatives Appointed by the Committee

APPOINTED BY	NAME	TERM EXPIRES JUNE 30 OF
Moore	Vacant	(18)
	Martha Villanueva	(17)
	Margaret Bustos*	(17)
Zamora	Gaby Garcia	(18)
	Tina Delgado	(17)
	Gilbert Aguirre	(17)
Rounds	Annette Rodriguez	(18)
	Janie Aguirre	(17)
	Peggy Radoumis	(17)
Sarno	Debbie Belmontes	(18)
	Linda Vallejo	(18)
	Hilda Zamora	(17)
Trujillo	Dolores H. Romero*	(18)
	Laurie Rios	(18)
	Bonnie Fox	(17)

Organizational Representatives:
(Up to 5)

Nancy Stowe
Evelyn Castro-Guillen
Elvia Torres
(SPIRITT Family Services)

**Indicates person currently serves on three committees*

HISTORICAL COMMITTEE

Meets Quarterly - The 2nd Tuesday of Jan., April, July, and Oct., at 5:30 p.m.,
Heritage Park Train Depot

Qualifications: 18 Years of age, reside or active in the City

Membership: 20

APPOINTED BY	NAME	TERM EXPIRES JUNE 30 OF
Moore	Astrid Shesterkin	(18)
	Tony Reyes	(18)
	Amparo Oblea	(17)
	George Felix, Jr.	(17)
Zamora	Vacant	(18)
	Vacant	(18)
	Vacant	(17)
	Larry Oblea	(17)
Rounds	Vacant	(18)
	Linda Vallejo	(18)
	Mark Scoggins*	(17)
	Janice Smith	(17)
Sarno	Vacant	(18)
	Vacant	(18)
	Vacant	(17)
	Sally Gaitan	(17)
Trujillo	Vacant	(18)
	Vacant	(18)
	Merrie Hathaway	(17)
	Vacant	(17)

**Indicates person currently serves on three committees*

PARKS & RECREATION ADVISORY COMMITTEE

Meets the First Wednesday of the month, except Jul., Aug., and Dec., 7:00 p.m., Town Center Hall, Meeting Room #1

Subcommittee Meets at 6:00 p.m.

Qualifications: 18 Years of age, reside or active in the City

Membership: 25

APPOINTED BY	NAME	TERM EXPIRES JUNE 30 OF
Moore	Mary Tavera	(18)
	Adrian Romero	(17)
	William Logan	(17)
	Ralph Aranda	(17)
	Kurt Hamra	(17)
Zamora	Michael Givens	(18)
	Ruben Gonzalez	(18)
	Vacant	(18)
	Sally Gaitan	(17)
	Vacant	(17)
Rounds	Kenneth Arnold	(18)
	Vacant	(18)
	Johana Coca*	(18)
	Tim Arnold	(17)
	Mark Scoggins*	(17)
Sarno	Vacant	(18)
	Debbie Belmontes	(18)
	Lisa Garcia	(17)
	Vacant	(18)
	David Diaz-Infante	(17)
Trujillo	Vacant	(18)
	Andrea Lopez	(18)
	Vacant	(17)
	Anthony Ambris	(17)
	Arcelia Miranda	(17)

**Indicates person currently serves on three committees*

SENIOR ADVISORY COMMITTEE

Meets the Second Tuesday of the month, except Jul., Aug., Sep., and Dec., at 9:30 a.m.,
Gus Velasco Neighborhood Center

Qualifications: 18 Years of age, reside or active in the City

Membership: 25

APPOINTED BY	NAME	TERM EXPIRES JUNE 30 OF
Moore	Vacant	(18)
	Vacant	(18)
	Paul Nakamura	(18)
	Astrid Shesterkin	(17)
	Vacant	(17)
Zamora	Dolores Duran	(18)
	Elena Lopez Armendariz	(18)
	Rebecca Lira	(18)
	Amelia Acosta	(17)
	Vacant	(17)
Rounds	Vacant	(18)
	Bonnie Fox	(18)
	Gilbert Aguirre	(17)
	Lorena Huitron	(17)
	Janie Aguirre	(17)
Sarno	Yoko Nakamura	(18)
	Linda Vallejo	(18)
	Hilda Zamora	(17)
	Vacant	(17)
	Vacant	(17)
Trujillo	Vacant	(18)
	Vacant	(18)
	Vacant	(18)
	Margaret Bustos*	(17)
	Vacant	(17)

**Indicates person currently serves on three committees*

SISTER CITY COMMITTEE

Meets the First Monday of every month, except Dec., at 6:45 p.m., Town Center Hall, Mtg. Room #1. If the regular meeting date falls on a holiday, the meeting is held on the second Monday of the month.

Qualifications: 18 Years of age, reside or active in the City

Membership: 25

APPOINTED BY	NAME	TERM EXPIRES JUNE 30 OF
Moore	Martha Villanueva	(18)
	Laurie Rios	(18)
	Mary K. Reed	(17)
	Peggy Radoumis	(17)
	Francis Carbajal	(17)
Zamora	Charlotte Zevallos	(18)
	Josefina Canchola	(18)
	Vacant	(17)
	Doris Yarwood	(17)
	Vacant	(17)
Rounds	Manny Zevallos	(18)
	Susan Johnston	(18)
	Robert Wolfe	(18)
	Vacant	(17)
	Vacant	(17)
Sarno	Jeannette Wolfe	(18)
	Vacant	(18)
	Vacant	(18)
	Vacant	(17)
	Cathy Guerrero	(17)
Trujillo	Vacant	(18)
	Andrea Lopez	(18)
	Dolores H. Romero*	(17)
	Marcella Obregon	(17)
	Vacant	(17)

*Indicates person currently serves on three committees

YOUTH LEADERSHIP COMMITTEE

Meets the First Monday of every month, at 6:30 p.m., Gus Velasco Neighborhood Center

Qualifications: Ages 13-18, reside in Santa Fe Springs

Membership: 20

APPOINTED BY	NAME	Term Expires in Year Listed or upon Graduation
Moore	Richard Aguilar	(17)
	Evony Reyes	(18)
	Zachary Varela	(17)
	Vacant	(17)
	Giovanni Sandoval	(18)
Zamora	Metztli Mercado-Garcia	(17)
	Vacant	(17)
	Vacant	(18)
	Vacant	(18)
Rounds	Andrew Chavez	(18)
	Jennisa Casillas	(17)
	Walter Alvarez	(18)
	Valerie Yvette A. Gonzales	(17)
Sarno	Vacant	(18)
	Rafael Gomez	(17)
	Ivan Aguilar	(18)
	Jennifer Centeno Tobar	(18)
Trujillo	Paul Legarreta	(17)
	Ionnis Panou	(18)
	Vacant	(17)
	Amber Marquez	(18)