CITY OF NEWPORT
CITY COUNCIL WORKSHOP MINUTES
NEWPORT CITY HALL
March 4, 2021

1. **CALL TO ORDER**
   Mayor Elliott called the City Council Workshop to order at 6:45 p.m. on March 4, 2021.

2. **ROLL CALL**
   Present (5): Mayor Laurie Elliott, Council Member Kevin Chapdelaine, Council Member Tom Ingemann, Council Member Marvin Taylor, and Council Member Rozlyn Johnson.

   Not Present (0): None.

3. **3M PFC SETTLEMENT**
   City Engineer Jon Herdegen gave a presentation on the 3M PFC Settlement (Attached) to Council. The settlement is funding the design and construction of long-term regional and local drinking water treatment systems and wells. Newport is requesting a water system interconnection with both the City of Woodbury and the City of Cottage Grove. The interconnects would secure Newport's ability to provide safe drinking water in the event our municipal wells are compromised due to the spread of the contamination plume. The interconnects would provide redundant drinking water supply from water systems that have been treated to non-detect levels of PFOS. The interconnects would eliminate the need for the City to mix treated water with potentially contaminated well water and expand the service area of water treatment investments made in neighboring community systems.

   Engineer Herdegen presented a draft resolution stating the City's recommendation and wanted feedback from Council. Member Taylor stated we should add that treating our wells is cost prohibitive. Council discussed we should be treating all drinking water to a health index threshold of 0.3.

4. **CITY LOGO/BILLBOARD ADVERTISEMENTS**
   City Administrator Deb Hill stated we have approximately 10 hours per month of free advertising and inquired what items Council would like to see on the new billboard. Blue Ox sent over a few examples of what other Cities have done. Council discussed advertising our Booyah, Meat Raffle, Pioneer Days, Plastic Initiative, etc. Administrator Hill stated we can start with simple ads such as "Drive Safely" and "Welcome to Newport" and will reach out to Blue Ox to inquire about graphic design fees.

5. **WAIVER OF UTILITIY LATE FEES**
   Mayor Elliott informed Council last year there was a resolution for waiving late fees on utility bills. Assistant to the City Administrator Travis Brierley stated that resolution only removed late fees for one quarter and the City is currently charging late fees. Council consensus was that a new resolution would not be required unless an issue with payments was recognized.

6. CITY ATTORNEY APPRECIATION

Mayor Elliott stated a draft resolution was put together to recognize our past City Attorney Fritz Knaak. Council discussed possible additions that can be added to the resolution.

7. PLANNING RFP

Council discussed the Request for Proposal (RFP) for Newport's planning service. Our current City Planner Sherri Buss helped draft the document and Council agrees it is complete and accurate.

8. TRASH CANS ORDINANCE

Mayor Elliott stated a resident requested a change to our ordinance which would allow residents to put their trash cans out at 3:00 p.m. the day before collection. Assistant Brierley stated our current ordinance states that trash cans can only be placed at the curb the day of pickup. Assistant Brierley will draft this change and bring it back to Council.

9. INTERNAL CONTROLS POLICY

Assistant Brierley stated our internal controls policy document was out of date. This document has been revised to reflect our current procedures. Assistant Brierley will put the new document for approval on the next Consent Agenda.

10. FUTURE AGENDA ITEMS

Administrator Hill stated our upcoming agenda items include a presentation from Member Taylor on Peacebunny Island and a discussion on an updated building permit contract with Cottage Grove. Administrator Hill will send out a Newport News update on the deer count that was completed. Administrator Hill received a letter from Brian Domeier petitioning the City to extend the road on 11th Avenue to the South.

Mayor Elliott stated we will also need to discuss Pioneer Days would like Council's feedback on the new Council Chamber design from Brunton.

11. ADJOURNMENT

Mayor Elliott adjourned the City Council Workshop at 8:44 p.m. on March 4, 2021.

Respectfully Submitted:
Jill Thiesfeld
Administrative Assistant II

Signed: _____
Laurie Elliott, Mayor

3M PFC Settlement

Newport City Council Workshop

March 4, 2021

FUNDING OPTIONS

2007 CONSENT ORDER

- Treatment capital costs and O&M on individual residential and municipal wells when a well advisory has been issued (HI => 1) as a result of PFAS releases from a 3M PFAS disposal site
- MPCA staff costs to oversee remediation related to the 3M disposal sites
- Contractor costs to provide technical assistance to MPCA including well sampling
- Sampling and lab costs for residential wells related to PFAS releases
- Bottled water for well advisory residences
- Response actions implemented to address PFAS releases at or from the 3M PFAS disposal sites

FUNDING OPTIONS

2018 NRDA SETTLEMENT AGREEMENT

- Design and construction of long- term regional and local drinking water treatment systems and wells
- Design and construction to connect of individual wells to city water supply systems or individual home treatment systems
- Costs to conduct a source water assessment and feasibility study of Project 1007 (Study of PFAS Conveyance)
- Contractor costs associated with implementation of working groups and associated MPCA, DNR, and MDH staffing related to these activities
- Priority 1 and Priority 2 projects as determined to be eligible by the Co-Trustees

FUNDING OPTIONS

2018 NRDA SETTLEMENT AGREEMENT – PRIORITY ONE

- "Enhance the quality, quantity, and sustainability of drinking water"
- "Ensure clean drinking water in sufficient supply to residents and businesses...to meet their current and future water needs"
- "development of alternative drinking water sources…treatment of existing water supplies, water conservation and efficiency, open space acquisition, and groundwater recharge"
- Provide clean drinking water to residents and businesses to meet current and future needs under changing conditions, population, and health-based values.
- Protect and improve groundwater quality.
- Protect and maintain groundwater quantity.
- Minimize long-term cost burdens for communities.

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FUNDING OPTIONS

2018 NRDA SETTLEMENT AGREEMENT – PRIORITY TWO

- Restore and enhance aquatic resources, wildlife, habitat, fishing, resource improvement and outdoor recreation
- Restore, protect, and enhance aquatic resources, wildlife, and habitat.
- Reduce fish tissue contamination and remove PFAS-based fish consumption advisories.
- Improve and enhance outdoor recreational opportunities.

FUNDING OPTIONS

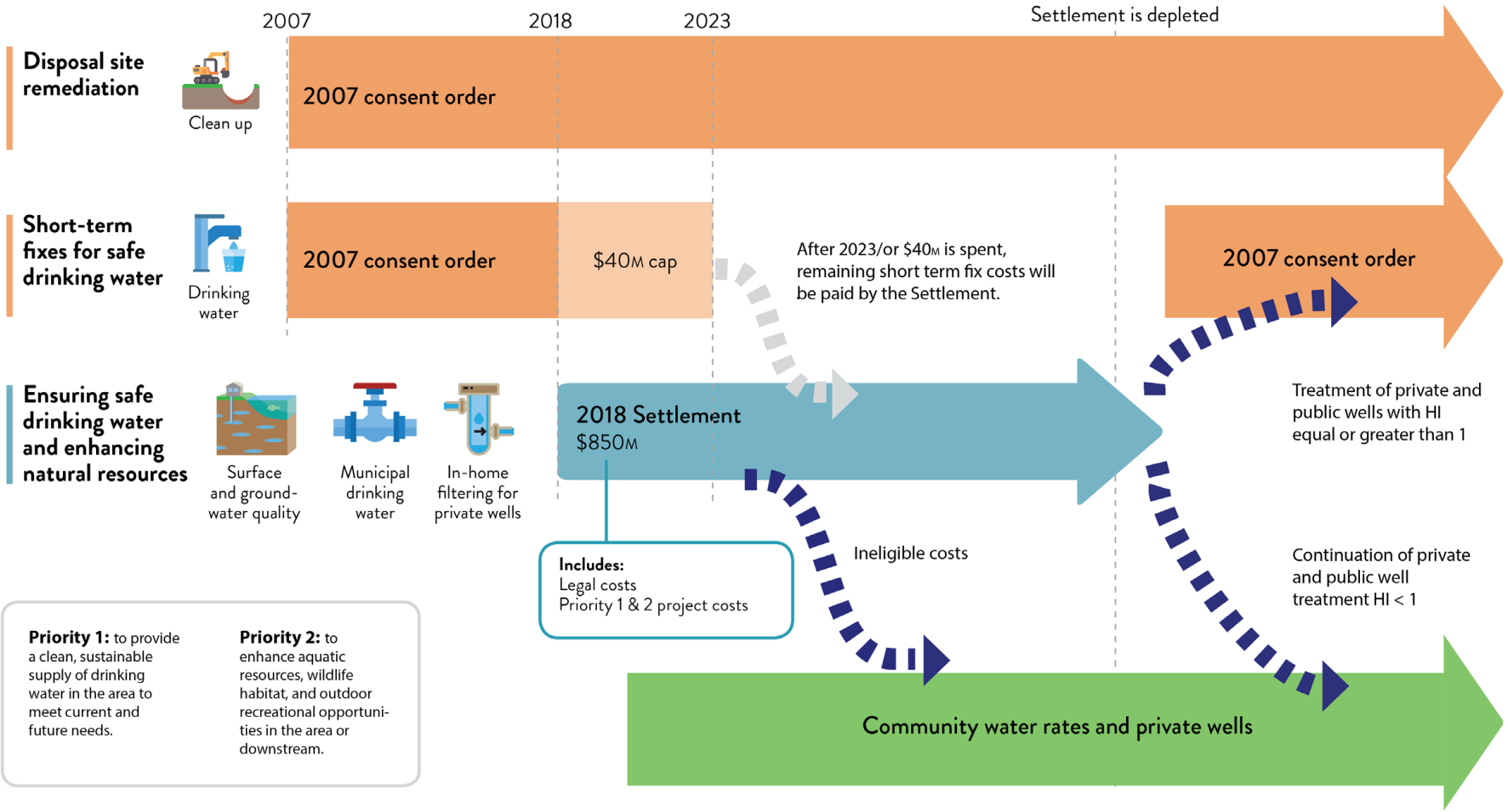
2018 NRDA SETTLEMENT AGREEMENT

- When Settlement Funds are depleted:
  - Capital and O&M costs for public and private wells with an HI =>1 (i.e., MDH Well Advisory) will then be covered by terms of the Consent Order.
  - Capital and O&M costs for wells with HI < 1 (no Well Advisory) will not be covered by the Consent Order and will be covered by communities and/or individual homeowners

FUNDING OPTIONS

Timelines for drinking water and groundwater solutions

Minnesota 3M PFC Settlement



Priority 1: to provide a clean, sustainable supply of drinking water in the area to meet current and future needs.

Priority 2: to enhance aquatic resources, wildlife habitat, and outdoor recreational opportunities in the area or downstream.

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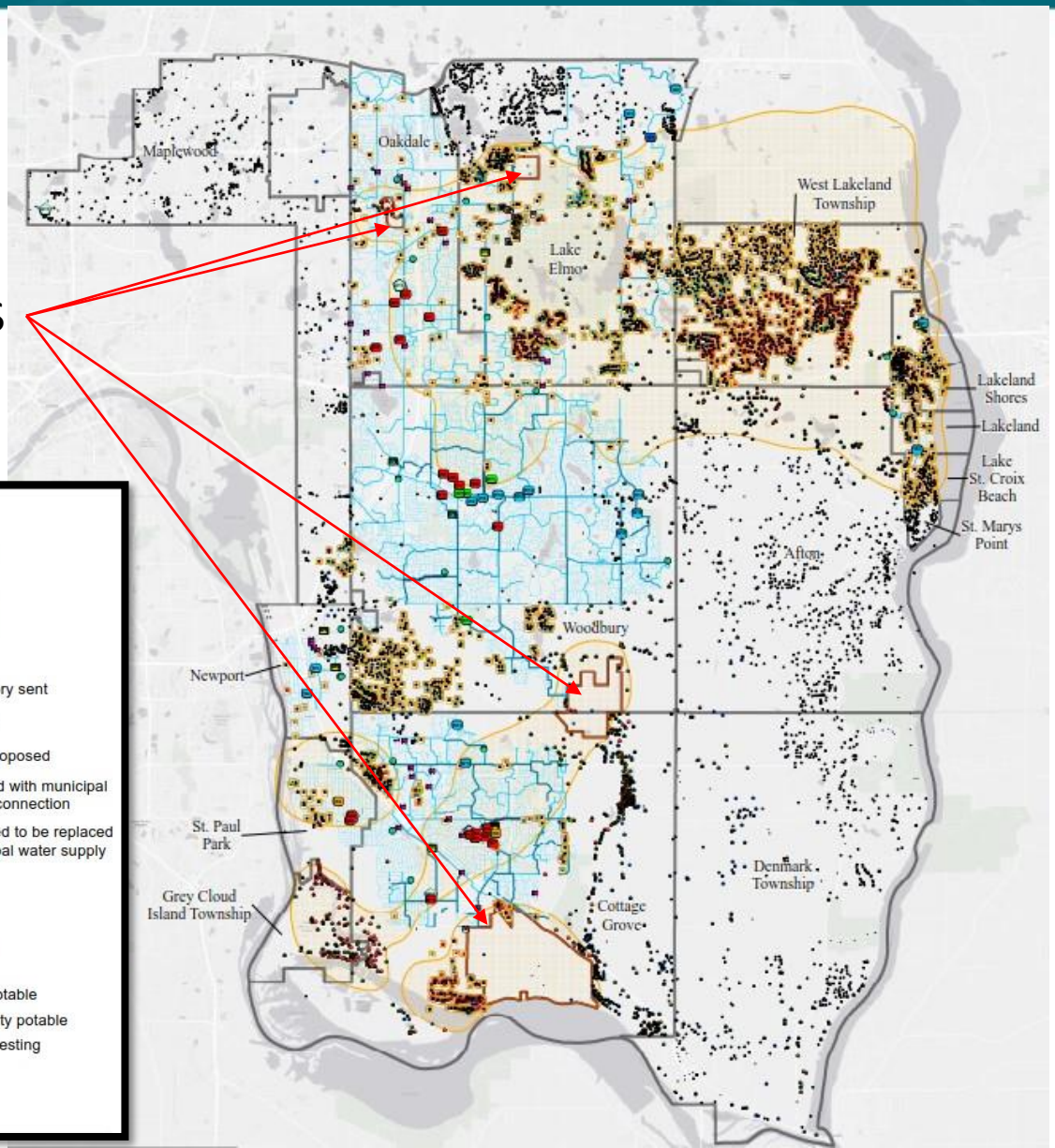
NON-MUNICIPAL WELL INVENTORY

	TOTAL WELLS		WELLS IN MWI		Total Sampled		Total Wells w/ POETS		Wells to continue w/ POETS		Wells with HI >0.5 to receive POETS		Wells with HI >0.3 to receive POETS	
Sample data export year	**2020**	**2019**	**2020**	**2019**	**2020**	**2019**	**2020**	**2019**	**2020**	**2019**	**2020**	**2019**	**2020**	**2019**
Afton	1195	1195	808	708	242	124	39	11	39	11	13	7	21	8
Cottage Grove	868	820	868	820	723	672	84	75	68	59	58	41	81	61
Denmark Twp.	761	761	515	487	133	111	0	0	0	0	4	0	7	1
Grey Cloud Island Twp.	123	121	123	121	111	109	53	52	53	52	23	23	25	27
Lake Elmo	1386	1309	1386	1309	645	503	110	95	15	10	26	13	50	26
Lakeland	342	296	342	296	112	58	5	3	1	1	0	3	0	3
Lake St. Croix Beach	122	119	122	119	6	2	0	0	0	0	0	0	0	0
Lakeland Shores	44	41	44	41	16	12	0	0	0	0	0	0	0	0
St. Mary's Point*	102	98	102	98	5	3	0	0	0	0	0	0	0	0
Maplewood	615	602	615	602	59	38	5	4	5	4	5	1	6	2
Newport	134	113	134	113	57	25	1	0	0	0	8	0	34	3
Oakdale	109	124	109	124	23	39	0	0	0	0	0	5	0	5
Prairie Island Indian Community	1	1	1	1	1	1	0	0	0	0	0	0	0	0
St. Paul Park	66	49	66	49	25	16	6	3	5	0	0	0	0	0
West Lakeland Twp (ALL POETS)	1393	1340	1393	1189	995	689	552	377	552	0	103	0	144	0
West Lakeland Twp (MUNICIPAL SYSTEM)	1393	1340	1393	1189	995	689	12		12		8		14	
Woodbury	657	632	657	632	258	215	2	1	2	1	25	5	57	23
Total (WLT ALL POETS)	**7918**	**7621**	**7285**	**6709**	**3411**	**2617**	**857**	**621**	**740**	**138**	**265**	**98**	**425**	**159**
Total (WLT MUNICIPAL SYSTEM)	**7918**	**7621**	**7285**	**6709**	**3411**	**2617**	**317**	**244**	**200**	**138**	**170**	**98**	**295**	**159**

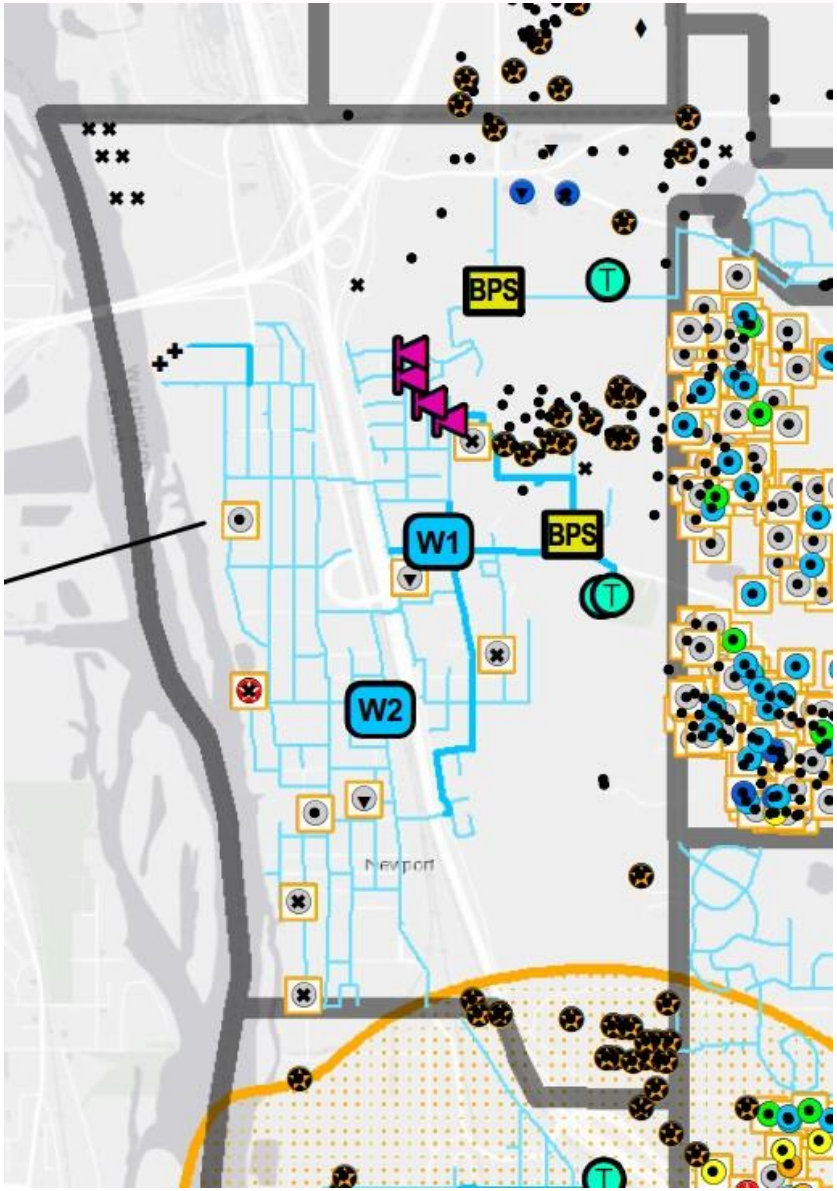
NON-MUNICIPAL WELL TREATMENT MAP HI > 0

3M DISPOSAL SITES



NON-MUNICIPAL WELL TREATMENT MAP HI > 0

CITY OF NEWPORT



Water network model
- Well
- Tank
- BPS
- PRV
- WTP
- Existing raw water lines

Existing distribution lines
- > 24"
- 18" - 24"
- 14" - 16"
- 10" - 12"
- 6" - 8"
- Known PFAS source
- Community boundary
- Potential projected areas impacted by PFAS by 2040

PFAS results - HI
- 0.00
- 0.00 - 0.249
- 0.25 - 0.499
- 0.50 - 0.749
- 0.75 - 0.999
- ≥1.00
- ≥1.00 - advisory sent
- GAC installed
- GAC install proposed
- Wells replaced with municipal water supply connection
- Wells proposed to be replaced with a municipal water supply connection

MWI well types
- Domestic
- Commercial
- Irrigation
- Community potable
- Non-community potable
- Monitoring & testing
- Other

Notes:
HI - Health Index, as defined by Minnesota Department of Health
GAC - Granular Adctivated Carbon point of entry treatment system
MWI - Minnesota Well Index

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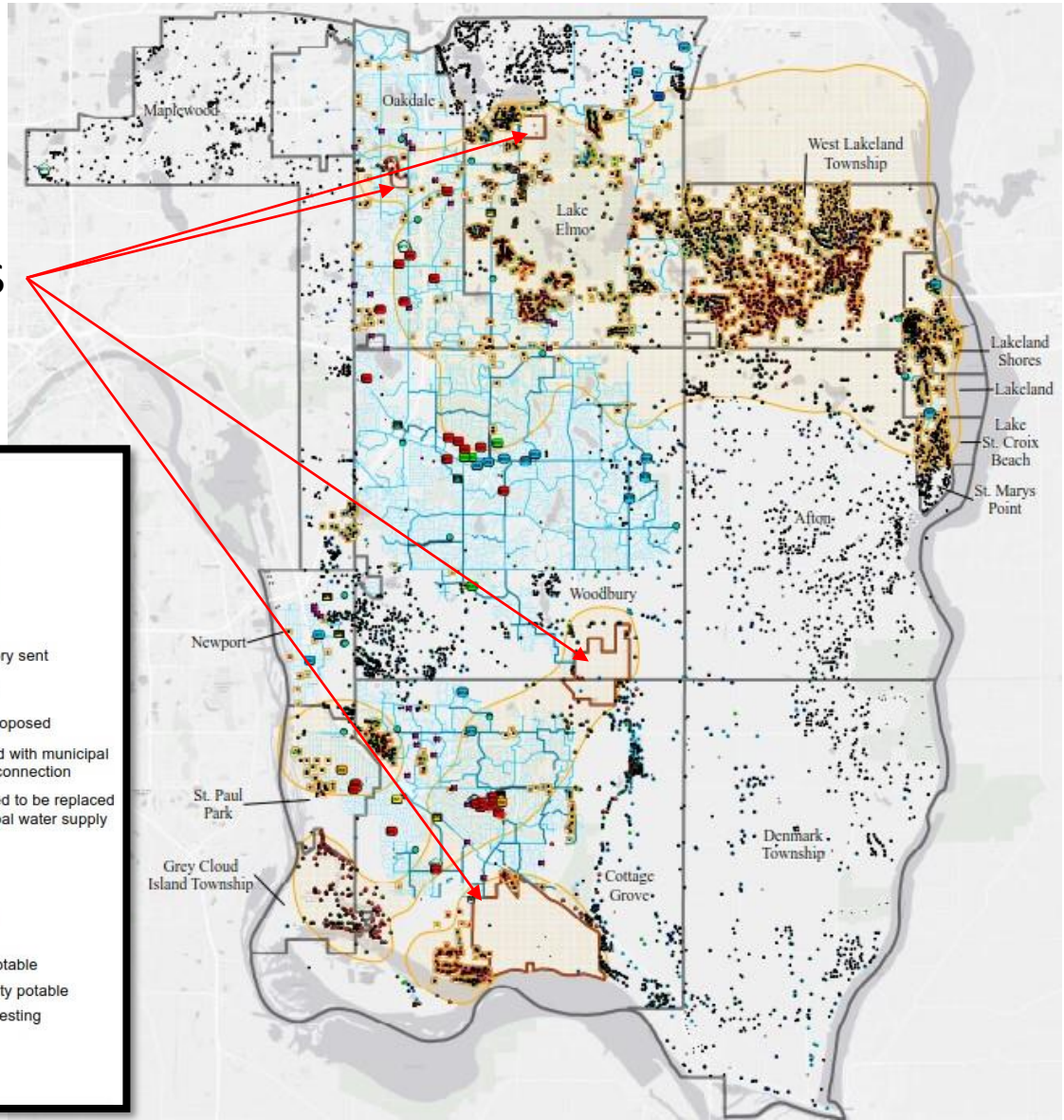
NON-MUNICIPAL WELL TREATMENT MAP HI > 1

3M DISPOSAL SITES



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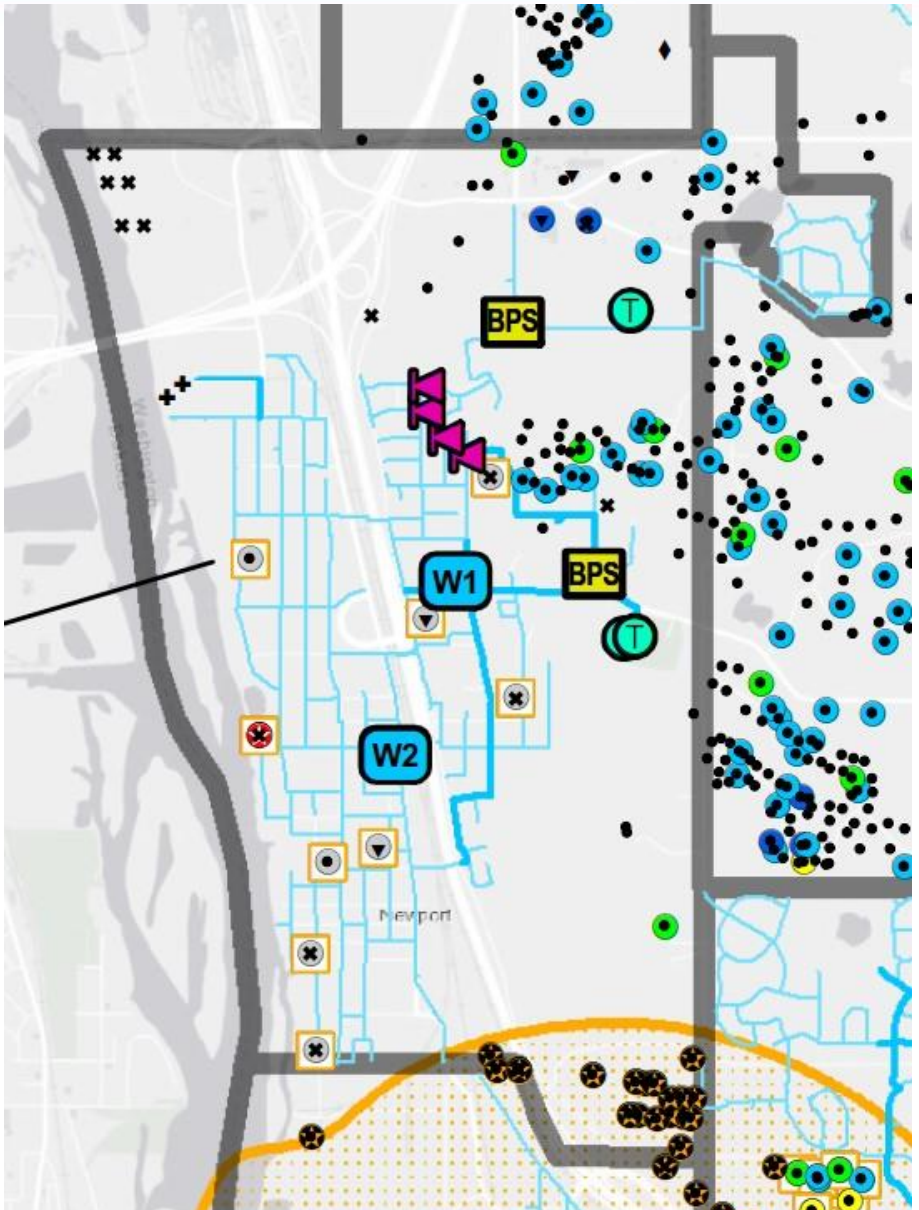
NON-MUNICIPAL WELL TREATMENT MAP HI > 1

CITY OF NEWPORT



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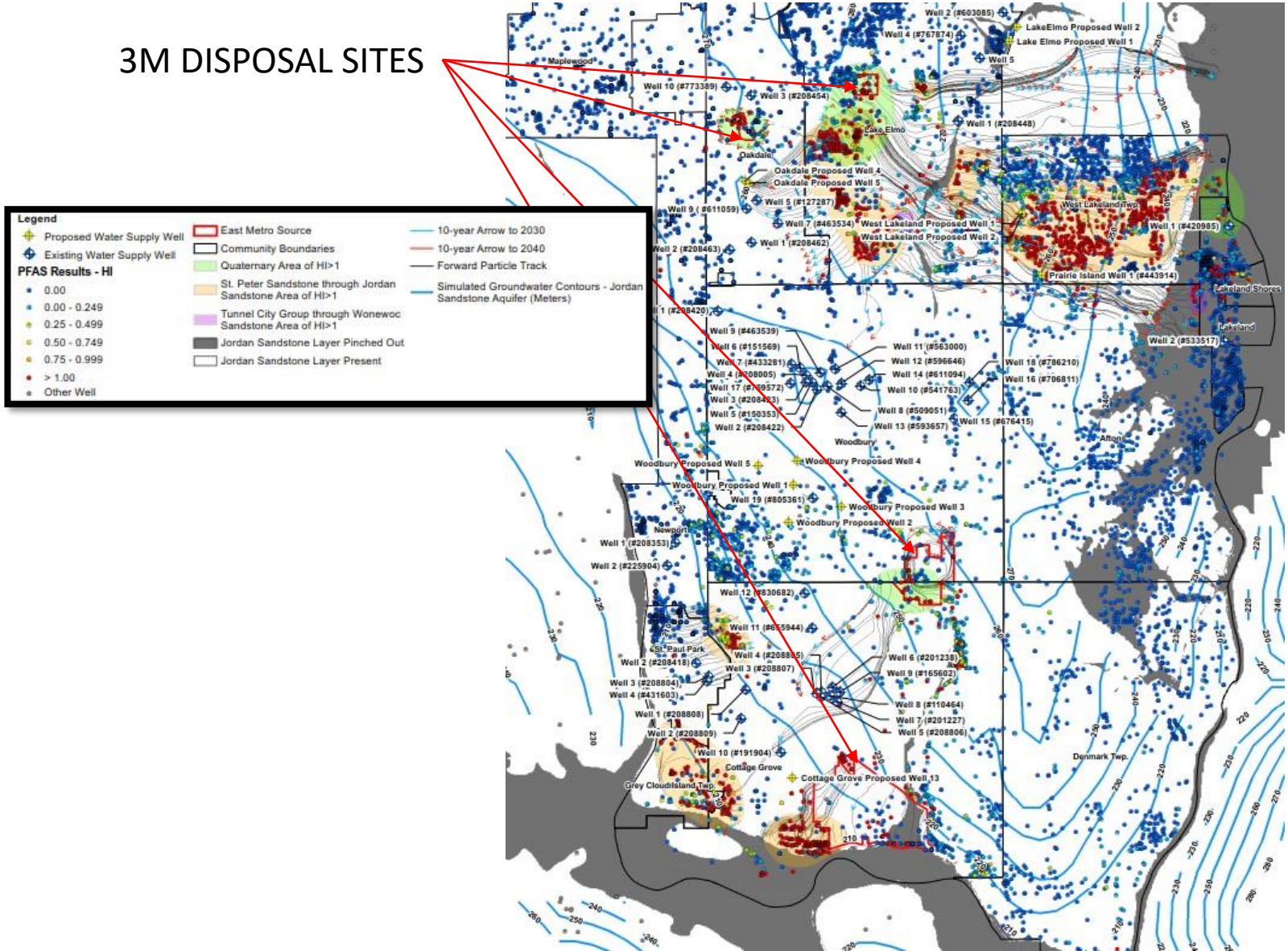
PARTICLE TRACKING

3M DISPOSAL SITES



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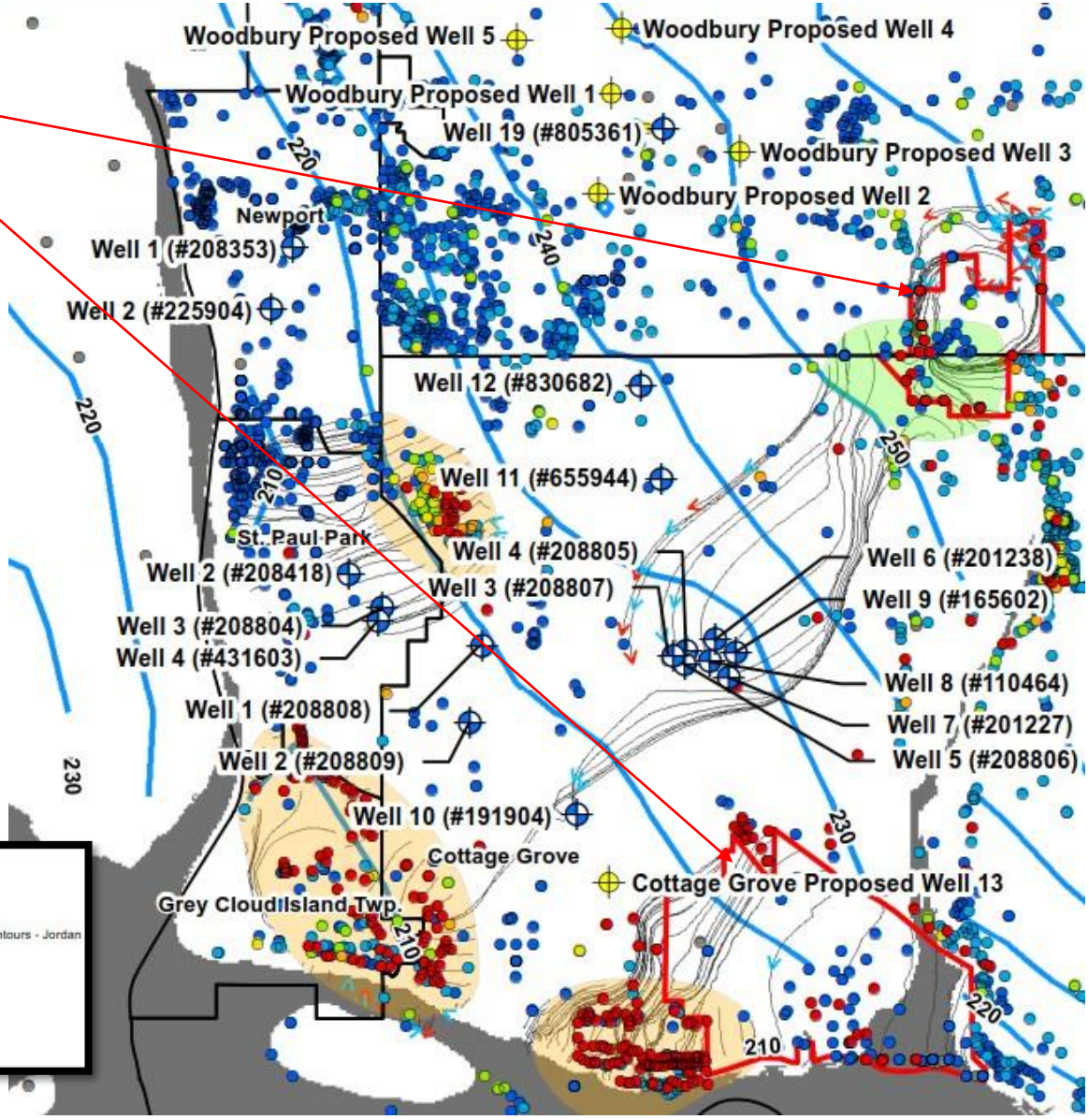
PARTICAL TRACKING

CITY OF NEWPORT

3M DISPOSAL SITE



CONCEPTUAL DRINKING WATER SUPPLY PLAN

OPTION 1

Community projects with a treatment threshold of HI>0.5 & GAC

Key Characteristics

HI>.5 GAC COMMUNITY PROJECTS

- Treatment to a threshold of HI > 0.5 using GAC
- Funding of public water system O&M for approximately 40 years
- Funding of private well O&M for over 100 years
- Funding for protecting a sustainable water supply into the future
- Drinking water source remains groundwater

Initial Capital Elements

- 2,062 homes with new connections to municipal public water systems
- A total of 236 private wells with POETS (of these, 98 are new wells)
- 5 new public wells built (3 of these replace contaminated wells)
- 6 new treatment plants with a capacity of 23,580 gpm and 1 modified treatment plant with additional capacity of 1,750 gpm
- 33 existing and proposed public wells receiving treatment
- 72 miles of water mains

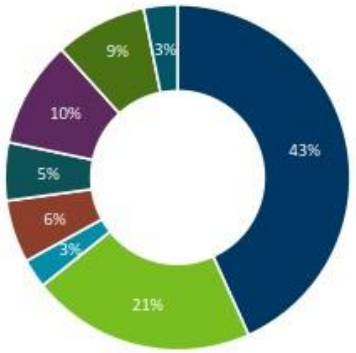
Why Select this Option?

- HI > 0.5 provides a resiliency to potentially lower HRL/HBV PFAS values or changing levels of contamination in the future
- Communities will bear a lesser cost to continue treatment below HI > 1 once Settlement funds are depleted than they would under recommended Option 2 (HI > 0.3)
- Provides for most years of O&M coverage out of Settlement funds

PFAS-Eligible Costs

Initial capital costs	$302.5 million
O&M costs for public water systems	$147 million
O&M costs for private wells	$19 million
Capital costs for potential additional neighborhood hookups	$41 million
Future contingency for HBV/HRL and plume movement, and cost over-runs	$38 million
Drinking water protection	$70 million
Sustainability and conservation	$60 million
State administration	$22 million

Percent of $700 million



Option 1

HI>.5 GAC COMMUNITY PROJECTS

1. • Supply private wells with POETS if over threshold
2. • Treat 8 of 12 existing public wells
   • Replace 2 existing public wells with 1 new public well
   • 2 new treatment plants
   • Connect 67 homes
   • Supply other private wells with POETS if over threshold
3. • Drinking water supply from groundwater for future growth*
   • Connect 257 homes
   • Supply other private wells with POETS if over threshold
4. • Connect 453 homes
   • Supply other private wells with POETS if over threshold
5. • Interconnect with Woodbury
   • Connect 9 homes
   • Supply other private wells with POETS if over threshold
6. • Expand treatment plant to treat 2 of 9 existing public wells and 2 new public wells
   • Connect 58 homes
   • Supply other private wells with POETS if over threshold
7. • Treat 1 existing public well
   • 1 new treatment plant
8. • Treat 3 of 3 public wells
   • 1 new treatment plant
   • Connect 28 homes
   • Supply other private wells with POETS if over threshold
9. • 2 new public wells
   • 1 new treatment plant
   • Connect 1,190 homes to new distribution system
10. • Interconnect with Newport
    • Treat 14 of 19 existing public wells
    • 1 new treatment plant
    • Supply other private wells with POETS if over threshold

*Lake Elmo may need alternate sources of water to avoid adverse effects on White Bear Lake. Tribal capital funds provide funding for utilizing groundwater in ways that comply with the current court order. This funding level is based on a cost estimate of creating an interconnect from southern Woodbury, however other approaches within that funding range may also be explored.

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CONCEPTUAL DRINKING WATER SUPPLY PLAN

OPTION 2

Community projects with a treatment threshold of HI>0.3 & GAC

Key Characteristics

HI>3 GAC COMMUNITY PROJECTS

- Treatment to a threshold of HI > 0.3 using GAC
- Funding of public water system O&M for approximately 35 years
- Funding of private well O&M for over 100 years
- Funding for protecting a sustainable water supply into the future
- Drinking water source remains groundwater

Initial Capital Elements

- 2,062 homes with new connections to municipal public water systems
- A total of 297 private wells with POETS (of these, 159 are new wells)
- 5 new public wells built (3 of these replace contaminated wells)
- 6 new treatment plants with a capacity of 29,580 gpm, and 1 modified treatment plant with additional capacity of 1,750 gpm
- 39 existing and proposed public wells receiving treatment
- 75.3 miles of water mains

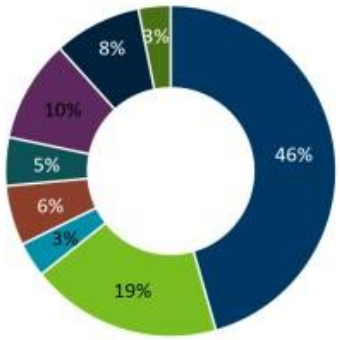
Why Select this Option?

- HI > 0.3 provides greater resiliency to potentially lower HRL/HBV PFAS values or changing levels of contamination in the future
- Provides treatment for 6 additional public wells and provides 61 additional private wells with POETS compared to recommended Option 1

PFAS-Eligible Costs

Initial capital costs	$319.1 million
O&M costs for public water systems	$131 million
O&M costs for private wells	$23.9 million
Capital costs for potential additional neighborhood hookups	$41 million
Future contingency for HBV/HRL and plume movement, and cost over-runs	$33 million
Drinking water protection	$70 million
Sustainability and conservation	$60 million
State administration	$22 million

Percent of $700 million



Option 2

HI>3 GAC COMMUNITY PROJECTS

1. • Supply private wells with POETS if over threshold
2. • Treat 8 of 12 existing public wells
   • Replace 2 existing public wells with 1 new public well
   • 2 new treatment plants
   • Connect 67 homes
   • Supply other private wells with POETS if over threshold
3. • Drinking water supply from groundwater for future growth*
   • Connect 257 homes
   • Supply other private wells with POETS if over threshold
4. • Connect 453 homes
   • Supply other private wells with POETS if over threshold
5. • Interconnect with Woodbury
   • Connect 9 homes
   • Supply other private wells with POETS if over threshold
6. • Expand treatment plant to treat 2 of 9 existing public wells and 2 new public wells
   • Connect 58 homes
   • Supply other private wells with POETS if over threshold
7. • Treat 1 existing public well
   • 1 new treatment plant
8. • Treat 3 of 3 public wells
   • 1 new treatment plant
   • Connect 28 homes
   • Supply other private wells with POETS if over threshold
9. • 2 new public wells
   • 1 new treatment plant
   • Connect 1,190 homes to new distribution system
10. • Interconnect with Newport
    • Treat 15 of 19 existing public wells and 5 new public wells
    • 1 new treatment plant
    • Supply other private wells with POETS if over threshold

*Lake Elmo may need alternate sources of water to avoid adverse effects on White Bear Lake. Initial capital funds provide funding for utilizing groundwater in ways that comply with the current court order. This funding level is based on a cost estimate of creating an interconnect from southern Woodbury, however other approaches within that funding range may also be explored.

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CONCEPTUAL DRINKING WATER SUPPLY PLAN

OPTION 3

Community projects, except Oakdale and Lake Elmo are supplied by SPRWS, with a treatment threshold of HI>0.5 & GAC

Key Characteristics

SPRWS HI>.5 GAC COMMUNITY PROJECTS

- Treatment to a threshold of HI > 0.5 using GAC
- Funding of public water system O&M for approximately 21 years
- Funding of private well O&M for over 100 years
- Funding for protecting a sustainable water supply into the future
- Oakdale and Lake Elmo are supplied by SPRWS to ensure future water supply
- Drinking water source remains groundwater

Initial Capital Elements

2,062 homes with new connections to municipal public water systems
A total of 236 private wells with POETS (of these, 98 are new wells)
3 new public wells built (1 of these replaces a contaminated well)
6 new treatment plants with a capacity of 23,580 gpm
24 existing and proposed public wells receiving treatment
74.6 miles of water mains

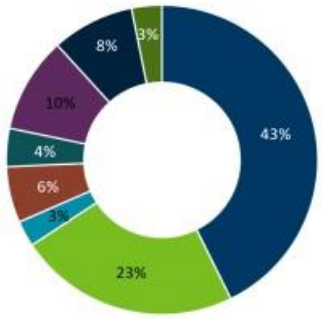
Why Select this Option?

- HI > 0.5 provides a resiliency to potentially lower HRL/HBV PFAS values or changing levels of contamination in the future
- Communities will bear a lesser cost to continue treatment below HI > 1 once Settlement funds are depleted than they would under recommended Option 2 (HI > 0.3)
- Enables a proactive solution for alternate sources of water for Lake Elmo and Oakdale

PFAS-Eligible Costs

Initial capital costs	$299.1 million
O&M costs for public water systems	$161 million
O&M costs for private wells	$19 million
Capital costs for potential additional neighborhood hookups	$41 million
Future contingency for HBV/HRL and plume movement, and cost over-runs	$28 million
Drinking water protection	$70 million
Sustainability and conservation	$60 million
State administration	$22 million

Percent of $700 million



Option 3

SPRWS HI>.5 GAC COMMUNITY PROJECTS

1. Supply private wells with POETS if over threshold
2. Treat 8 of 12 existing public wells
   - Replace 2 existing public wells with 1 new public well
   - 2 new treatment plants
   - Connect 67 homes
   - Supply other private wells with POETS if over threshold
3. Connection to SPRWS
   - Connect 257 homes
   - Supply other private wells with POETS if over threshold
4. Connect 453 homes
   - Supply other private wells with POETS if over threshold
5. Interconnect with Woodbury
   - Connect 9 homes
   - Supply other private wells with POETS if over threshold
6. Connection to SPRWS
   - Connect 58 homes
   - Supply other private wells with POETS if over threshold
7. Treat 1 existing public well
   - 1 new treatment plant
8. Treat 3 of 3 public wells
   - 1 new treatment plant
   - Connect 28 homes
   - Supply other private wells with POETS if over threshold
9. 2 new public wells
   - 1 new treatment plant
   - Connect 1,190 homes to new distribution system
10. Interconnect with Newport
    - Treat 14 of 19 existing public wells
    - 1 new treatment plant
    - Supply other private wells with POETS if over threshold

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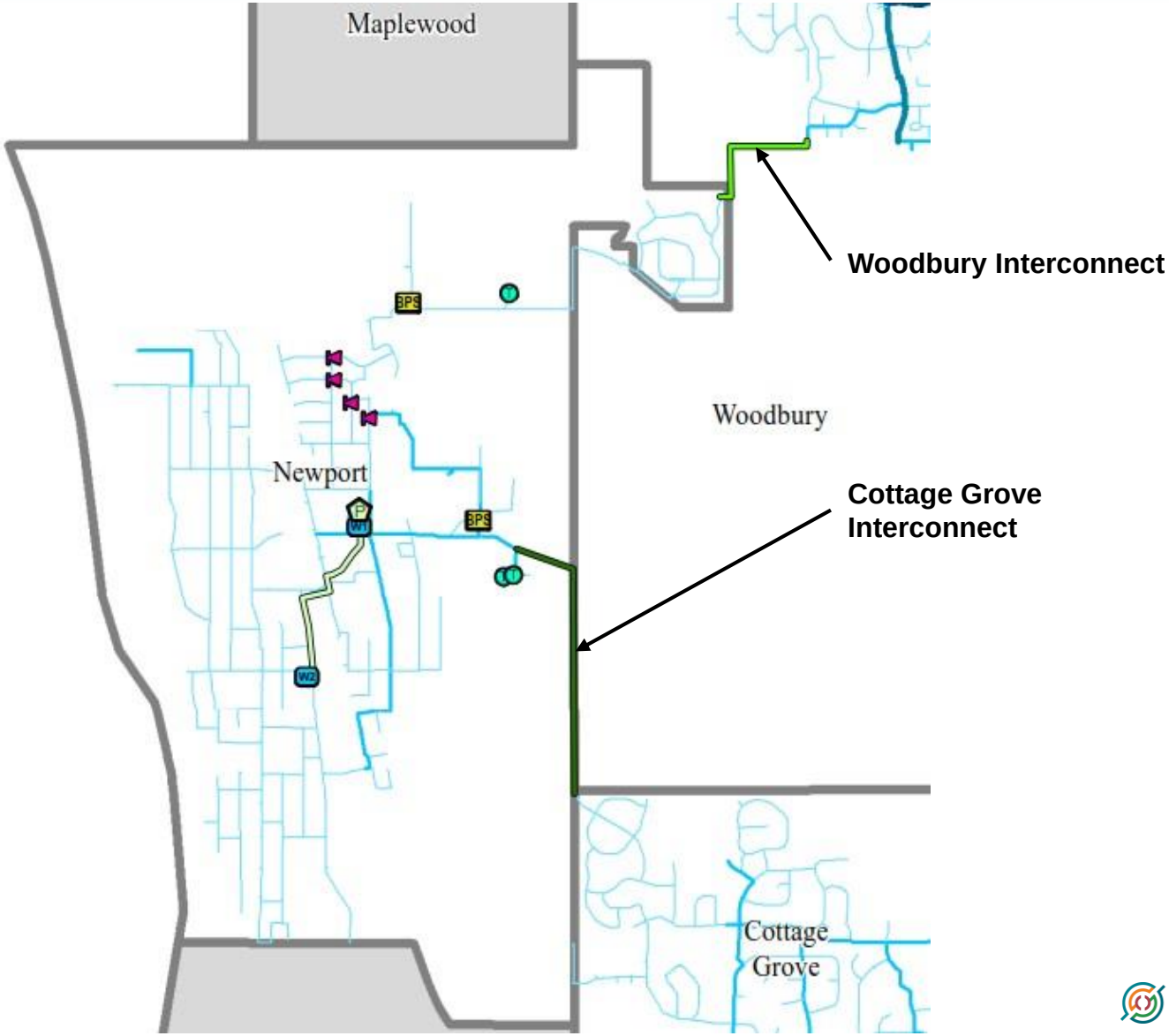
INTERCONNECTION OPTIONS



INTERCONNECTION OPTIONS

ORIGINAL ESTIMATE

Woodbury Interconnect (HI>0.3)

Item	Description	Qty	Units	Unit Cost	Total Cost (GAC)
Interconnect with Woodbury	8" Interconnect w/ Flow Meter & PRV	1	Station	$200,000	$200,000
Water Distribution Mains	From Woodbury to Newport, 8" Mains	0.51	Miles	$1,313,725	$670,000
Service Laterals	Connect Homes to Existing Mains	12	Each	$7,500	$90,000
Well Sealing	$2,000 per Well	12	Each	$2,700	$32,400
Existing GAC POET Removal		1	Each	$400	$400
Land Acquisition (Water Mains)	20-foot Easements (50%)	0.60	Acres	$140,000	$84,000
GAC POETS	Standard Household Systems	34	POETS	$2,500	$90,000
			Subtotal		$1,167,000
			Contingency	25%	$292,000
			Professional Services	15%	$176,000
			Total		**$1,635,000**

Cottage Grove Interconnect (HI>0.3)

Item	Description	Qty	Units	Unit Cost	Total Cost (GAC)
Interconnect with Cottage Grove	8" Interconnect w/ Flow Meter & PRV	1	Station	$200,000	$200,000
Water Distribution Mains	From Woodbury to Newport, 8" Mains	1.64	Miles	$1,313,725	$2,150,000
Service Laterals	Connect Homes to Existing Mains	12	Each	$7,500	$90,000
Well Sealing	$2,000 per Well	12	Each	$2,700	$32,400
Existing GAC POET Removal		1	Each	$400	$400
Land Acquisition (Water Mains)	20-foot Easements (50%)	2.00	Acres	$140,000	$280,000
GAC POETS	Standard Household Systems	34	POETS	$2,500	$90,000
			Subtotal		$2,843,000
			Contingency	25%	$292,000
			Professional Services	15%	$176,000
			Total		**$3,311,000**

MSA

INTERCONNECTION OPTIONS

WOODBURY - MSA ESTIMATE

NEWPORT/WOODBURY WATERMAIN INTERCONNECT
ESTIMATE OF PROBABLE CONSTRUCTION COSTS
NEWPORT, MINNESOTA

ESTIMATE YEAR: ***2020***
CONSTRUCTION YEAR: ***2021***

ITEM NO.	DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE
	SITE RESTORATION				
1	MOBILIZATION	1	LS	$60,000	$60,000
2	CLEARING AND GRUBBING	1	LS	$5,000	$5,000
3	TREE REMOVAL	30	EACH	$250	$7,500
4	DEWATERING	1	LS	$5,000	$5,000
5	TRAFFIC CONTROL	1	LS	$5,000	$5,000
6	BOULEVARD RESTORATION	1.6	AC	$25,000	$40,000
7	CONCRETE CURBING	30	LF	$50	$1,500
8	STREET RESTORATION	1100	SF	$5	$5,500
9	EROSION & SEDIMENT CONTROL	1	LS	$5,000	$5,000
	SUB-TOTAL - SITE RESTORATION				**$134,500**
	WATER				
1	CONNECT TO EXISTING WATERMAIN	2	EACH	$5,000	$10,000
2	INSTALL HYDRANT & VALVE	5	EACH	$6,000	$30,000
3	8" GATE VALVE & BOX	3	EACH	$2,500	$7,500
4	8" DUCTILE IRON WATERMAIN	2700	LF	$60	$162,000
5	20" STEEL CASING PIPE (JACKED & BORE)	100	LF	$100	$10,000
6	WATERMAIN FITTINGS	400	LB	$6	$2,400
7	METERING VAULT & PRV	1	LS	$200,000	$200,000
	SUB-TOTAL - WATER				**$421,900**
	CONNECTION/POETS				
1	SERVICE LATERALS	12	EACH	$7,500	$90,000
2	WELL SEALING	12	EACH	$2,700	$32,400
3	GAC POETS	34	EACH	$2,500	$85,000
4	GAC POETS REMOVAL	1	EACH	$400	$400
	SUB-TOTAL - CONNECTION POETS				**$207,400**
				CONSTRUCTION SUBTOTAL	***$763,800***
	CONTINGENCY	20%			$153,000
	OVERHEAD	20%			$153,000
	INFLATION	5.0%			$39,000
	EASEMENT ACQUISTION	0.60	ACRE	$140,000	$84,000
					$1,193,000

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INTERCONNECTION OPTIONS

WOODBURY - MSA ESTIMATE

INTERCONNECTION OPTIONS

COTTAGE GROVE - MSA ESTIMATE

NEWPORT/COTTAGE GROVE WATERMAIN INTERCONNECT
ESTIMATE OF PROBABLE CONSTRUCTION COSTS
NEWPORT, MINNESOTA

ESTIMATE YEAR: ***2020***
CONSTRUCTION YEAR: ***2021***

ITEM NO.	DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE
	SITE RESTORATION				
1	MOBILIZATION	1	LS	$75,000	$75,000
2	CLEARING AND GRUBBING	1	LS	$2,500	$2,500
3	TREE REMOVAL	10	EACH	$250	$2,500
4	DEWATERING	1	LS	$5,000	$5,000
5	TRAFFIC CONTROL	1	LS	$1,000	$1,000
6	BOULEVARD RESTORATION	2.6	AC	$25,000	$65,000
7	EROSION & SEDIMENT CONTROL	1	LS	$5,000	$5,000
	SUB-TOTAL - SITE RESTORATION				**$156,000**
	WATER				
1	CONNECT TO EXISTING WATERMAIN	2	EACH	$5,000	$10,000
2	INSTALL HYDRANT & VALVE	8	EACH	$6,000	$48,000
3	8" GATE VALVE & BOX	3	EACH	$2,500	$7,500
4	8" DUCTILE IRON WATERMAIN	4500	LF	$60	$270,000
5	WATERMAIN FITTINGS	600	LB	$6	$3,600
6	METERING VAULT & PRV	1	LS	$200,000	$200,000
	SUB-TOTAL - WATER				**$539,100**
	CONNECTION/POETS				
1	SERVICE LATERALS	12	EACH	$7,500	$90,000
2	WELL SEALING	12	EACH	$2,700	$32,400
3	GAC POETS	34	EACH	$2,500	$90,000
4	GAC POETS REMOVAL	1	EACH	$400	$400
	SUB-TOTAL - CONNECTION POETS				**$212,400**
				CONSTRUCTION SUBTOTAL	***$907,500***
	CONTINGENCY	20%			$181,500
	OVERHEAD	20%			$181,500
	INFLATION	5.0%			$45,400
	EASEMENT ACQUISTION	1.3	ACRE	$140,000	$182,000
					$1,498,000

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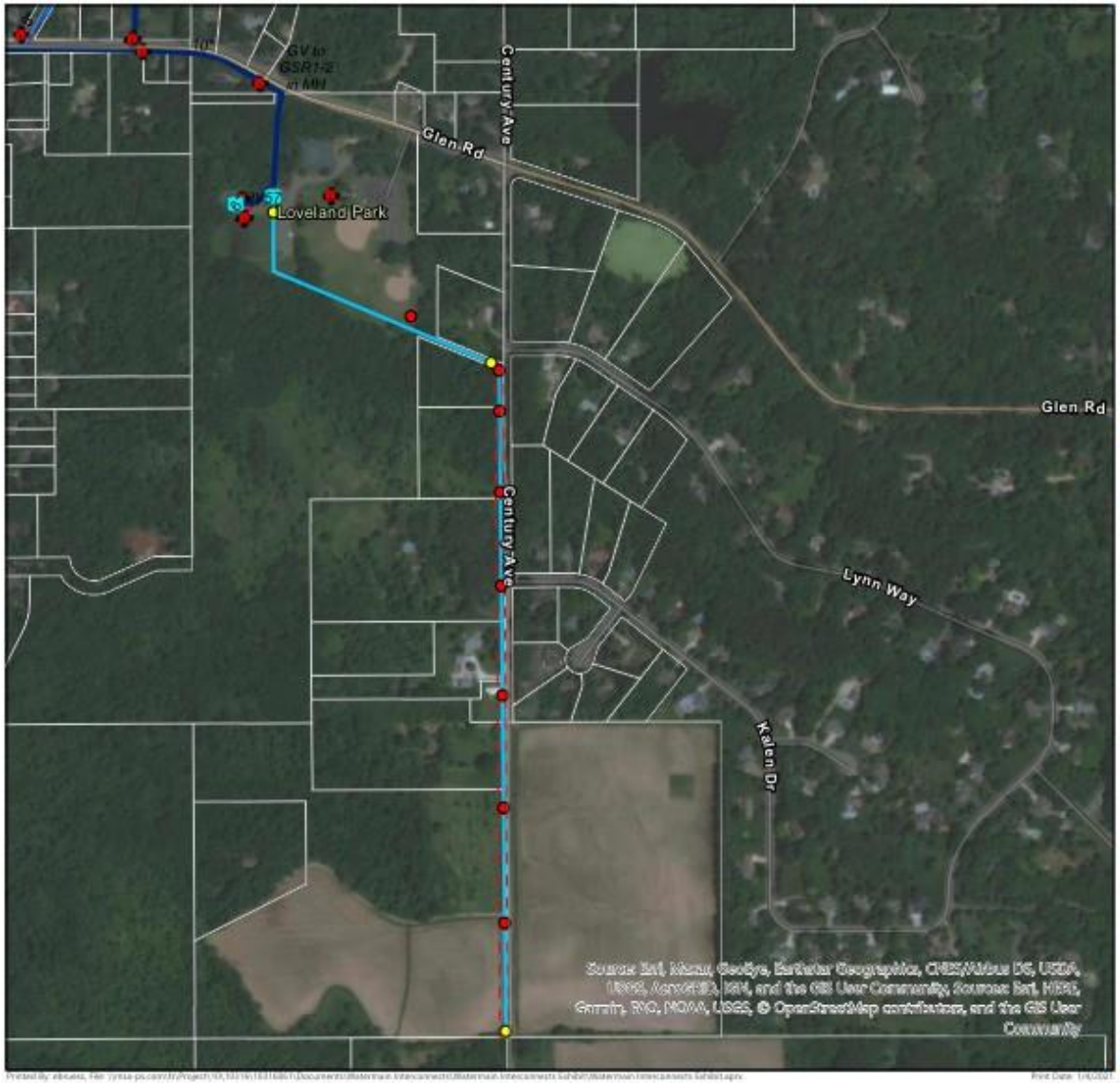
INTERCONNECTION OPTIONS

COTTAGE GROVE - MSA ESTIMATE



COTTAGE GROVE/ NEWPORT INTERCONNECT

NEWPORT
WASHINGTON COUNTY, MN

Water Distribution Web Service
- Proposed Watermain
- ProposedGateValve
- ProposedHydrants
- ProposedEasment

Water Distribution Web Service

Water Network Structures
- Enclosed Storage Facility
- Water Hydrants

Mains
- 8"
- 10"

WaterDistribution_Oct2016
- PARCELS

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INTERCONNECTION OPTIONS

COMPARISON

	Woodbury	Cottage Grove	Total
MSA Estimate	$1,193,000	$1,498,000	$2,691,000
Wood Estimate	$1,635,000	$3,311,000	$4,946,000
Difference	**$442,000**	**$1,813,000**	**$2,255,000**

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RECOMMENDATIONS

- It is our recommendation that the City of Newport insists on a water system interconnection with both the City of Woodbury and the City of Cottage Grove.
- Water system interconnects:
  - Secures Newport's ability to provide safe drinking water to its residents in the event our municipal wells are compromised due to the spread of the contamination plume.
  - Provides redundant drinking water supply source from water systems that have been treated to "non-detect" levels of PFOS.
  - Eliminates the need for the City to mix treated water with potentially contaminated well water.
  - Expands the service area of water treatment investments made in neighboring community system for a very low cost per capita.
- We request the City Council provide feedback on the draft resolution provided in your packet.

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