



CITY OF SCANDIA

2022 DRAFT Proposed

Utilities Budget

Sewer Committee

Presented: September 30, 2021

With Supporting Documentation

14727 209th Street North

Scandia, Minnesota 55073

651-433-2274

www.cityofscandia.com



2022 Draft Utilities Budget Transmittal Letter

Presented September 30, 2021

Page 1 of 2

Both of the City's two small utilities, the Big Marine Sewer and Uptown Sewer are facing some significant challenges.

Big Marine Sewer (Formerly 201)

Earlier this year, the City Council approved a request to the State of Minnesota to obtain state bonding assistance to help cover half of the cost of a major upgrade of the Bliss Wastewater Treatment System on west side of Big Marine Lake. The estimated \$1.4 million dollar project, which includes rehabilitation of the system's main lift station, AKA #2, presents funding challenges without state bonding assistance.

As a result, there are two budget proposal for the Big Marine Sewer. This first proposal calculates rates and a proposed budget based on not obtaining assistance through the state's bonding program. The second proposal is based the more ideal scenario of obtaining financial assistance. The difference in rate impacts and debt service needs suggest a challenging coming decade.

It is important to note that the challenges facing this system are not unique to the the Bliss System on the west side of the lake. The Anderson-Erickson System, which serves 33 homes on the east side of lake, is also in need of significant capital investment. Although these issues are currently not triggering compliance issues with the state, there is a reasonable likelihood that similar challenges may be possible within the next decade. As a result, as the city progresses with is long-range financial planning, it will be important to find further investigations into potential issues.

For the time being, the City has issued an administrative moritorium to new connections. When homes are replaced on properties currently served by this system, reconnections will only be permitted if new structures maintain the same number of bedrooms as the previous one. However, the City will still need to be mindful of how quickly growth in this neighborhood is allowed, as these increased usership will continue to create significant operational and cost burdens on the Big Marine Sewer Utility.

Uptown Sewer Utility (Serving the Village Center)

The Uptown System also has challenges. Currently the system is at or exceeding daily capacity dependent on usage. This system, like the City's other two systems, will require further evaluation of system needs. Although this system only has 8 users, the majority of uses are commercial use. To expand this system, particularly for the Scandia Arts and Heritage Center Watertower Barn project, the utility would require around \$500,000 in additional improvements.

Changes in utility rates for this system will have direct financial impacts on the City's operational costs as 2 of the 9 accounts on this system are billed to the City for sewer services on the Community Center Campus.



2022 Draft Utilities Budget Transmittal Letter

Presented September 30, 2021

Page 1 of 2

According to § 50.07 in the General Code of Ordinances, " New connections to the UWTS system shall be prohibited unless the city determines that sufficient capacity is available in all downstream facilities. Any person proposing a new connection to the system shall be responsible for the cost(s) ...necessary to determine whether there is sufficient capacity in the collection and treatment system, and for the cost of any improvements or modifications to the system necessitated by the new connection."

Included in your packets are the draft budgets and rates. These can and will be revisited at an upcoming workshop. This issue can be deferred after September's preliminary levy deadline, as these funds are only supported by their rates.

The enclosed draft 2022 budget packet presents the following material for your consideration:

1. A Utility Rate Forecast from the City's 2021 Financial Management Plan Project.
2. A Summary of Revenue, Expenditures and Fund Balance Budget and Projections.
3. A Draft Line-Item Detail Budget for 2022.
4. A proposed draft capital project plan for ongoing yearly capital improvement.

Please let me know if you have any questions.



DRAFT Proposed Utility Rates and Future Rate Projections - Presented 9-13-2021

		Big Marine Sewer -State Bonding Received										
		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
% Change in Rates			10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Base Charge												
Annual		854.40	939.84	1,033.82	1,137.21	1,250.93	1,376.02	1,513.62	1,664.98	1,831.48	2,014.63	2,216.09
Quarterly		213.70	234.96	258.46	284.30	312.73	344.00	378.41	416.25	457.87	503.66	554.02
Increase												
Annual			85.44	93.98	103.38	113.72	125.09	137.60	151.36	166.50	183.15	201.46
Quarterly			21.26	23.50	25.85	28.43	31.27	34.40	37.84	41.62	45.79	50.37
Energy Adj Charge												
Annual		8.00	8.80	9.68	10.65	11.71	12.88	14.17	15.59	17.15	18.86	20.75
Quarterly		2.00	2.20	2.42	2.66	2.93	3.22	3.54	3.90	4.29	4.72	5.19

		Big Marine Sewer No State Bonding										
		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
% Change in Rates			10.00%	10.00%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%
Base Charge												
Annual		854.40	939.84	1,033.82	1,194.07	1,379.15	1,592.91	1,839.82	2,124.99	2,454.36	2,834.79	3,274.18
Quarterly		213.70	234.96	258.46	298.52	344.79	398.23	459.95	531.25	613.59	708.70	818.54
Increase												
Annual			85.44	93.98	160.24	185.08	213.77	246.90	285.17	329.37	380.43	439.39
Quarterly			21.26	23.50	40.06	46.27	53.44	61.73	71.29	82.34	95.11	109.85
Energy Adj Charge												
Annual		8.00	8.80	9.68	11.18	12.91	14.91	17.23	19.90	22.98	26.54	30.66
Quarterly		2.00	2.20	2.42	2.80	3.23	3.73	4.31	4.97	5.75	6.64	7.66
Additional impact on users if no state bonding received					56.86	128.22	216.90	326.19	460.00	622.88	820.16	1,058.09

		Uptown Sewer System					
		2021	2022	2023	2024	2025	2026
% Change in Rates			5.00%	10.00%	10.00%	10.00%	10.00%
Base Charge							
Annual		349.99	367.49	404.24	444.66	489.13	538.04
Quarterly		87.50	91.88	101.06	111.17	122.29	134.51
Increase							
Annual			17.50	36.75	40.42	44.47	48.91
Quarterly			4.38	9.19	10.11	11.12	12.23
Volume Charge							
Annual		47.43	49.80	54.78	60.26	66.29	72.91



CITY OF SCANDIA STATEMENT OF REVENUES AND EXPENDITURES-
UPTOWN SEWER FUND SUMMARY BUDGET AND PROJECTIONS

ACTUAL FOR YEAR ENDED DECEMBER 31, 2019 AND 2020, PERIOD TO DATE JULY 31, 2021 AND BUDGET FOR THE YEARS ENDED DECEMBER 31, 2021 & 2022, AND PROJECTIONS THRU YRS 2023-2026

Fund 612	Actual		YTD Actual	Budget		Projected				
	2019	2020	7/31/2021	2021	2022	2023	2024	2025	2026	
REVENUE										
Charges for services	20,535	12,546	3,393	23,000	24,150	(1)	25,358	27,893	30,683	32,217
Special assessments	-	-	-	-	-		-	-	-	-
Intergovernmental	11	11	-	-	-		-	-	-	-
Interest earnings	-	241	-	-	242		279	385	459	526
Miscellaneous	-	-	-	-	-	(2)	545,667	-	-	-
Bond Proceeds	-	-	-	-	-		-	-	-	-
Transfer In	-	-	-	-	-		-	-	-	-
TOTAL REVENUES	20,546	12,799	3,393	23,000	24,392		571,303	28,278	31,142	32,743
EXPENDITURES										
Wages	4,636	4,805	2,471	10,235	10,920	(3)	10,920	11,138	11,361	11,588
Materials	257	139	-	545	500	(3)	500	510	520	530
Professional Services	579	1,119	728	700	700	(3)	700	714	728	743
Repair and Maintenance	1,206	80	(260)	3,300	3,300	(3)	3,300	3,366	3,433	3,502
Other	2,625	1,277	935	3,950	3,950	(3)	3,950	4,029	4,110	4,192
Depreciation	4,877	4,877	-	4,877	5,100	(3)	5,100	5,202	5,306	5,412
Debt Service Expense	-	-	-	-	-		-	-	-	-
Capital Outlay	-	-	-	4,000	2,600	(3)	545,667	4,499	7,604	3,042
Transfer Out	2,640	-	-	-	-		-	-	-	-
TOTAL EXPENDITURES	(16,819)	(12,296)	(3,873)	(27,607)	(27,070)		(570,137)	(29,458)	(33,062)	(29,009)
NET REVENUE OVER										
(UNDER) EXPENSE	3,727	503	(480)	(4,607)	(2,678)		1,166	(1,180)	(1,920)	3,734
ENDING BALANCE	19,332	15,893	20,307	16,163	18,585		24,851	28,873	32,259	41,405

- (1) Projected 5% increase in 2022 & 2023, Projected 10% increase in 2024 & 2025, then return to 5% increases
- (2) Estimated \$500k revenue to expand drainfields for SHA Watertower Barn Arts and Heritage Center
- (3) Operational Budget Details can be found in the line-item budget, capital outlay is on the schedule sheet.



2022 Draft Scandia Sewer Budget - Presented 9/30/2021

Uptown Sewer

Type	Code	Description	Actual 2019	Actual 2020	Budget 2021	Actual 7/31/2021	Preliminary 2022	<i>dif over PY</i> Budget	Notes
R	612-31000	Washington Cty. Tax Settlement	-	-	-	-	-	-	
R	612-33422	Other State Grants & Aids	11	11	-	-	-	-	
R	612-34105	Sale of Maps and Publications	-	-	-	-	-	-	
R	612-34401	Sewer User Fees & Hookup	20,535	12,546	23,000	3,393	24,150	1,150	
R	612-36210	Interest Income	-	241	-	-	242	242	
R	612-36250	Misc. Refund	-	-	-	-	-	-	
R	612-39203	Transfer from Other Funds	-	-	-	-	-	-	
TOTAL 612 REVENUE			20,546	12,799	23,000	3,393	24,392	1,392	
E	612-43210-101	Regular Wages & Salaries	5,241	5,169	8,700	1,978	9,300	600	Distribution of wages
E	612-43210-102	OT Regular Wages	-	-	-	-	-	-	"
E	612-43210-120	Pension Expense	(1,623)	(1,218)	-	-	-	-	"
E	612-43210-121	PERA Coord. Employer Contribu.	390	388	700	131	700	-	Distribution of Wage Expense
E	612-43210-122	FICA Employer Contribution	306	301	500	115	600	100	"
E	612-43210-126	MEDICARE Employer Contribution	71	70	100	30	100	-	"
E	612-43210-131	Employer Paid Health	-	-	-	-	-	-	Distribution of Benefit Costs
E	612-43210-134	Employer Paid Life	-	-	-	-	-	-	"
E	612-43210-135	Employer Paid Disability	-	-	-	-	-	-	"
E	612-43210-151	Worker s Comp Insurance Prem	251	95	235	217	220	(15)	"
E	612-43210-200	Office Supplies	8	-	100	-	100	-	Office staff pulls from when needed for billing, notices
E	612-43210-210	Operating Supplies	117	-	200	-	200	-	
E	612-43210-221	Equipment Parts	133	139	200	-	200	-	
E	612-43210-240	Small Tools and Minor Equip	-	-	-	-	-	-	
E	612-43210-303	Engineering Fees	260	600	300	600	300	-	annual drawdown testing
E	612-43210-304	Legal Services	-	-	-	-	-	-	
E	612-43210-308	Other Professional Services	319	519	400	128	400	-	PACE testing
E	612-43210-309	Software Support & Maintenance	80	80	-	-	-	-	
E	612-43210-311	Contract Permit Inspections	-	-	-	-	-	-	
E	612-43210-317	Employee Training	76	114	350	-	350	-	
E	612-43210-319	Other Services	-	-	-	-	-	-	
E	612-43210-322	Postage	-	-	45	-	-	(45)	
E	612-43210-334	Licenses & Permits	204	259	400	209	400	-	
E	612-43210-351	Legal Notices Publishing	-	-	-	-	-	-	
E	612-43210-353	Sales& Use Tax	-	-	-	-	-	-	
E	612-43210-361	Liability/Property Ins	257	320	300	370	300	-	
E	612-43210-381	Utilities-Electric & Gas	2,088	584	1,700	426	1,700	-	
E	612-43210-385	Sewer Pumping & Maintenance	1,000	-	1,200	(260)	1,200	-	
E	612-43210-386	Operation & Maintenance	126	-	600	-	600	-	
E	612-43210-404	Repair Machinery/Equipment	-	-	1,500	-	1,500	-	Electrician if bad blower
E	612-43210-420	Depreciation Expense	4,877	4,877	4,877	-	5,100	223	
E	612-43210-438	Misc. Contractual	-	-	1,200	-	1,200	-	
E	612-43210-530	Capital Impr Other Than Bldgs	-	-	4,000	-	2,600	(1,400)	
E	612-43210-570	Office Equipment	-	-	-	-	-	-	
E	612-43210-720	Operating Transfers	2,640	-	-	-	-	-	
TOTAL FUND 612 EXPENDITURES			16,819	12,296	27,607	3,944	27,070	(537)	
NET REVENUE OVER EXPENDITURES			3,727	503	(4,607)	(550)	(2,678)		



Uptown Sewer Fund 612 2022 DRAFT CIP Presented 9-30-2021

CIP Inflation Factor			0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	
Item #	Capital Project Name	Project First Year	2021 Costs	2021 Budget	2022 Budget	2023 Projected	2024	2025	2026	2027	2028	2029	2030	2031
1	Blower replacement	2021	4,000	4,000	-	-	-	-	-	-	-	-	-	-
2	LS	2022	1,000	-	1,040	-	-	-	-	-	-	-	-	-
3	Drainfield LS	2022	500	-	520	-	-	-	-	-	-	-	-	-
4	Pumping	2022	1,000	-	1,040	-	-	-	-	-	-	-	-	-
5	LS	2023	1,000	-	-	1,082	-	-	-	-	-	-	-	-
6	Drainfield LS	2023	2,500	-	-	2,704	-	-	-	-	-	-	-	-
7	Pumping	2023	1,000	-	-	1,082	-	-	-	-	-	-	-	-
8	Drainfield Expansion (2023) SHA Addition	2023	500,000	-	-	540,800	-	-	-	-	-	-	-	-
9	LS	2024	2,500	-	-	-	2,812	-	-	-	-	-	-	-
10	Drainfield LS	2024	500	-	-	-	562	-	-	-	-	-	-	-
11	Pumping	2024	1,000	-	-	-	1,125	-	-	-	-	-	-	-
12	LS	2025	1,000	-	-	-	-	1,170	-	-	-	-	-	-
13	Drainfield LS	2025	500	-	-	-	-	585	-	-	-	-	-	-
14	Blower replacement	2025	4,000	-	-	-	-	4,679	-	-	-	-	-	-
15	Pumping	2025	1,000	-	-	-	-	1,170	-	-	-	-	-	-
16	LS	2026	1,000	-	-	-	-	-	1,217	-	-	-	-	-
17	Drainfield LS	2026	500	-	-	-	-	-	608	-	-	-	-	-
18	Pumping	2026	1,000	-	-	-	-	-	1,217	-	-	-	-	-
19	LS	2027	30,000	-	-	-	-	-	-	37,960	-	-	-	-
20	Drainfield LS	2027	500	-	-	-	-	-	-	633	-	-	-	-
21	Pumping	2027	1,000	-	-	-	-	-	-	1,265	-	-	-	-
22	LS	2028	1,000	-	-	-	-	-	-	-	1,316	-	-	-
23	Drainfield LS	2028	2,500	-	-	-	-	-	-	-	3,290	-	-	-
24	Pumping	2028	1,000	-	-	-	-	-	-	-	1,316	-	-	-
25	LS	2029	1,000	-	-	-	-	-	-	-	-	1,369	-	-
26	Drainfield LS	2029	500	-	-	-	-	-	-	-	-	684	-	-
27	Pumping	2029	1,000	-	-	-	-	-	-	-	-	1,369	-	-
28	LS	2030	1,000	-	-	-	-	-	-	-	-	-	1,423	-
29	Drainfield LS	2030	500	-	-	-	-	-	-	-	-	-	712	-
30	Pumping	2030	1,000	-	-	-	-	-	-	-	-	-	1,423	-
31	LS	2031	1,000	-	-	-	-	-	-	-	-	-	-	1,480
32	Control panel	2031	50,000	-	-	-	-	-	-	-	-	-	-	74,012
33	Drainfield LS	2031	500	-	-	-	-	-	-	-	-	-	-	740
34	Blower replacement	2031	4,000	-	-	-	-	-	-	-	-	-	-	5,921
35	Pumping	2031	1,000	-	-	-	-	-	-	-	-	-	-	1,480
36	Repairs	2031	50,000	-	-	-	-	-	-	-	-	-	-	74,012
37			671,500	4,000	2,600	545,667	4,499	7,604	3,042	39,858	5,922	3,421	3,558	157,646



CITY OF SCANDIA STATEMENT OF REVENUES AND EXPENDITURES-

BIG MARINE SEWER FUND SUMMARY BUDGET AND PROJECTIONS w/o STATE AID BONDING WITH CITY DEBT

ACTUAL FOR YEAR ENDED DECEMBER 31, 2019 AND 2020, PERIOD TO DATE JULY 31, 2021 AND BUDGET FOR THE YEARS ENDED DECEMBER 31, 2021 & 2022, AND PROJECTIONS THRU YRS 2023-2026

Fund 602	Actual		YTD Actual	Budget		Projected				
	2019	2020	7/31/2021	2021	2022	2023	2024	2025	2026	
REVENUE										
Charges for services	81,238	83,175	45,861	88,045	96,850	(1)	106,534	123,047	142,120	164,148
Special assessments	4,824	6,844	139	200	300		-	-	-	-
Intergovernmental	35	47,202	-	-	-		-	-	-	-
Interest earnings	3,226	353	-	700	1,725		6,940	7,224	6,252	4,699
Miscellaneous	-	550	-	-	-		-	-	-	-
City Bond Proceeds	-	-	-	-	-		1,050,000	-	-	600,000
Transfer In	-	-	-	-	441,892	(2)	-	-	-	-
TOTAL REVENUES	89,323	138,124	46,000	88,945	540,767		1,163,474	130,271	148,372	768,847
EXPENDITURES										
Wages	19,476	19,866	6,983	23,455	25,700	(3)	26,214	26,738	27,273	27,818
Materials	996	1,197	625	3,700	3,700	(3)	3,774	3,849	3,926	4,005
Professional Services	20,978	6,850	6,556	10,200	12,600	(3)	12,852	13,109	13,371	13,638
Repair and Maintenance	17,863	36,668	11,639	31,200	33,200	(3)	33,864	34,541	35,232	35,937
Other	19,072	13,772	4,061	18,250	18,050	(3)	18,411	18,779	19,155	19,538
Depreciation	39,630	42,643	-	51,200	52,200	(3)	53,244	54,309	55,395	56,503
Debt Service Expense	-	-	-	-	-		-	84,805	84,805	84,805
Capital Outlay	23,276	-	-	89,000	70,980	(4)	1,050,000	13,217	68,145	510,082
Transfer Out	-	-	-	-	-		-	-	-	-
TOTAL EXPENDITURES	(141,291)	(120,996)	(29,864)	(227,005)	(216,430)		(1,198,359)	(249,347)	(307,302)	(752,326)
NET REVENUE OVER										
(UNDER) EXPENSE	(51,968)	17,128	16,136	(138,060)	324,337		(34,885)	(119,075)	(158,930)	16,521
ENDING BALANCE	63,108	107,982	86,122	86,122	462,658		481,594	416,828	313,294	386,318

(1) Projected 10% increase in 2022 & 2023, Projected 15.5% for all future years. Debt payments projections to increase to \$470K by 2031.

(2) Recommended allocation of ARPA Funds towards addressing financial shortfall in 602

(3) Operational Budget Details can be found in the line-item budget, capital outlay is on the schedule sheet.

(4) There are no changes in 2022 based on either funding senerio. The changes only occur 2023 and forward.

		CIP Inflation Factor												
		0.00% 4.00% 4.00% 4.00% 4.00% 4.00% 4.00% 4.00% 4.00% 4.00% 4.00%												
Item #	Capital Project Name	Project First Year	2021 Costs	2021 Budget	2022 Budget	2023 Projected	2024	2025	2026	2027	2028	2029	2030	2031
1	A/E Drainfield		300,000	-	-	-	-	-	-	-	-	-	-	-
2	A/E Drainfield engineering	2025	50,000	-	-	-	-	58,493	-	-	-	-	-	-
3	Bless nitrate treatment equipment	2023	967,000	-	-	1,045,907	-	-	-	-	-	-	-	-
4														
5	Test well	2021	60,000	-	62,400	-	-	-	-	-	-	-	-	-
6	LS 1 Control Panel	2027	10,000	-	-	-	-	-	-	12,653	-	-	-	-
7	LS 2 Control Panel	2026	10,000	-	-	-	-	-	12,167	-	-	-	-	-
8	LS 2 Control Panel	2031	1,500	-	-	-	-	-	-	-	-	-	-	2,220
9	LS #1 (Layton Ave)	2022	500	-	520	-	-	-	-	-	-	-	-	-
10	LS #1 (Layton Ave)	2023	500	-	-	541	-	-	-	-	-	-	-	-
11	LS #1 (Layton Ave)	2024	2,500	-	-	-	2,812	-	-	-	-	-	-	-
12	LS #1 (Layton Ave)	2025	500	-	-	-	-	585	-	-	-	-	-	-
13	LS #1 (Layton Ave)	2026	500	-	-	-	-	-	608	-	-	-	-	-
14	LS #1 (Layton Ave)	2027	350,000	-	-	-	-	-	-	442,862	-	-	-	-
15	LS #1 (Layton Ave)	2028	500	-	-	-	-	-	-	-	658	-	-	-
16	LS #1 (Layton Ave)	2029	500	-	-	-	-	-	-	-	-	684	-	-
17	LS #1 (Layton Ave)	2030	500	-	-	-	-	-	-	-	-	-	712	-
18	LS #1 (Layton Ave)	2031	500	-	-	-	-	-	-	-	-	-	-	740
19	LS #2 (189th - Main Station)	2022	500	-	520	-	-	-	-	-	-	-	-	-
20	LS #2 (189th - Main Station)	2023	2,500	-	-	2,704	-	-	-	-	-	-	-	-
21	LS #2 (189th - Main Station)	2024	500	-	-	-	562	-	-	-	-	-	-	-
22	LS #2 (189th - Main Station)	2025	500	-	-	-	-	585	-	-	-	-	-	-
23	LS #2 (189th - Main Station)	2026	355,000	-	-	383,968	-	-	-	-	-	-	-	-
24	LS #2 (189th - Main Station)	2027	500	-	-	-	-	-	-	633	-	-	-	-
25	LS #2 (189th - Main Station)	2028	500	-	-	-	-	-	-	-	658	-	-	-
26	LS #2 (189th - Main Station)	2029	500	-	-	-	-	-	-	-	-	684	-	-
27	LS #2 (189th - Main Station)	2030	500	-	-	-	-	-	-	-	-	-	712	-
28	LS #2 (189th - Main Station)	2031	2,500	-	-	-	-	-	-	-	-	-	-	3,701
29	LS #3 Pump 1 Replacement	2021	6,000	6,000	-	-	-	-	-	-	-	-	-	-
30	LS #3 Pump 2 Replacement	2021	6,000	6,000	-	-	-	-	-	-	-	-	-	-
31	LS #3 (Dosage Tanks)	2022	500	-	520	-	-	-	-	-	-	-	-	-
32	LS #3 (Dosage Tanks)	2023	500	-	-	541	-	-	-	-	-	-	-	-
33	LS #3 (Dosage Tanks)	2024	500	-	-	-	562	-	-	-	-	-	-	-
34	LS #3 (Dosage Tanks)	2025	500	-	-	-	-	585	-	-	-	-	-	-
35	LS #3 (Dosage Tanks)	2026	2,500	-	-	-	-	-	3,042	-	-	-	-	-
36	LS #3 (Dosage Tanks)	2027	500	-	-	-	-	-	-	633	-	-	-	-
37	LS #3 (Dosage Tanks)	2028	500	-	-	-	-	-	-	-	658	-	-	-
38	LS #3 (Dosage Tanks)	2029	500	-	-	-	-	-	-	-	-	684	-	-
39	LS #3 (Dosage Tanks)	2030	70,000	-	-	-	-	-	-	-	-	-	99,632	-
40	LS #3 (Dosage Tanks)	2031	2,500	-	-	-	-	-	-	-	-	-	-	3,701
41	LS #4 Pump 1 Replacement	2021	6,000	6,000	-	-	-	-	-	-	-	-	-	-
42	LS #4 Pump 2 Replacement	2021	6,000	6,000	-	-	-	-	-	-	-	-	-	-
43	LS #4 (Dosage Tanks)	2022	500	-	520	-	-	-	-	-	-	-	-	-
44	LS #4 (Dosage Tanks)	2023	500	-	-	541	-	-	-	-	-	-	-	-
45	LS #4 (Dosage Tanks)	2024	500	-	-	-	562	-	-	-	-	-	-	-
46	LS #4 (Dosage Tanks)	2025	500	-	-	-	-	585	-	-	-	-	-	-
47	LS #4 (Dosage Tanks)	2026	500	-	-	-	-	-	608	-	-	-	-	-
48	LS #4 (Dosage Tanks)	2027	2,500	-	-	-	-	-	-	3,163	-	-	-	-
49	LS #4 (Dosage Tanks)	2028	500	-	-	-	-	-	-	-	658	-	-	-
50	LS #4 (Dosage Tanks)	2029	500	-	-	-	-	-	-	-	-	684	-	-
51	LS #4 (Dosage Tanks)	2030	500	-	-	-	-	-	-	-	-	-	712	-
52	LS #4 (Dosage Tanks)	2030	70,000	-	-	-	-	-	-	-	-	-	-	99,632
53	Repairs	2022	2,500	-	2,600	2,704	2,812	2,925	3,042	3,163	3,290	3,421	3,558	3,701
54	Foreceman	2021	5,000	5,000	-	-	-	-	-	-	-	-	-	-
55	Foreceman	2022	500	-	520	541	562	585	-	-	-	-	-	-
56	Foreceman	2026	50,000	-	-	-	-	-	63,266	-	-	-	-	-
57	Foreceman	2028	500	-	-	-	-	-	-	-	658	-	-	-
58	Foreceman	2030	50,000	-	-	-	-	-	-	-	-	71,166	-	-
59	Foreceman	2028	5,000	-	-	-	-	-	-	-	6,580	-	-	-
60	Foreceman	2031	500	-	-	-	-	-	-	-	-	-	740	-
61	Connection metering	2028	120,000	-	-	-	-	-	-	-	-	157,912	-	-
62	Connection meter equipment	2028	25,000	-	-	-	-	-	-	-	-	32,898	-	-
63	A/E control panel	2029	50,000	-	-	-	-	-	-	-	-	-	68,428	-
64	A/E LS	2022	1,000	-	1,040	1,082	-	-	-	-	-	-	-	-
65	A/E LS	2024	2,500	-	-	-	2,812	-	-	-	-	-	-	-
66	A/E LS	2025	1,000	-	-	-	-	-	1,217	1,265	1,316	-	-	-
67	A/E LS	2029	350,000	-	-	-	-	-	-	-	-	-	478,999	-
68	A/E LS	2030	1,000	-	-	-	-	-	-	-	-	-	-	1,480
69	A/E repairs	2022	1,750	-	1,820	1,893	1,969	2,047	2,129	2,214	2,303	2,395	2,491	2,590
70	A/E foreceman	2022	500	-	520	541	562	585	608	633	658	-	-	-
71	A/E foreceman	2029	50,000	-	-	-	-	-	-	-	-	68,428	-	-
72	A/E foreceman	2030	500	-	-	-	-	-	-	-	-	-	740	-
73	A/E connection metering and software	2030	65,000	-	-	-	-	-	-	-	-	-	-	92,515
74	TOTALS		3,079,750	29,000	70,980	1,440,963	13,217	66,975	23,421	530,484	207,589	625,093	370,417	20,353



CITY OF SCANDIA STATEMENT OF REVENUES AND EXPENDITURES-

BIG MARINE SEWER FUND SUMMARY BUDGET AND PROJECTIONS w/ STATE AID BONDING

ACTUAL FOR YEAR ENDED DECEMBER 31, 2019 AND 2020, PERIOD TO DATE JULY 31, 2021 AND BUDGET FOR THE YEARS ENDED DECEMBER 31, 2021 & 2022, AND PROJECTIONS THRU YRS 2023-2026

Fund 602	Actual		YTD Actual	Budget		Projected				
	2019	2020	7/31/2021	2021	2022	2023	2024	2025	2026	
REVENUE										
Charges for services	86,418	85,518	45,861	88,045	96,850	(1)	106,534	117,188	128,907	141,797
Special assessments	1,367	611	139	200	300		-	-	-	-
Intergovernmental	7	138	-	-	-	(2)	715,000	-	-	-
Interest earnings	550	770	-	700	1,725		5,942	6,563	5,857	4,463
Miscellaneous	-	-	-	-	-		-	-	-	-
City Bond Proceeds	-	-	-	-	-	(3)	750,000	-	-	250,000
Transfer In	-	-	-	-	441,852	(4)	-	-	-	-
TOTAL REVENUES	88,342	87,037	46,000	88,945	540,727		1,577,476	123,751	134,764	396,260
EXPENDITURES										
Wages	19,476	19,866	6,983	23,455	25,700	(5)	26,214	26,738	27,273	27,818
Materials	996	1,197	625	3,700	3,700	(5)	3,774	3,849	3,926	4,005
Professional Services	20,978	6,850	6,556	10,200	12,600	(5)	12,852	13,109	13,371	13,638
Repair and Maintenance	17,863	36,668	11,639	31,200	33,200	(5)	33,864	34,541	35,232	35,937
Other	19,072	13,772	4,061	18,250	18,050	(5)	18,411	18,779	19,155	19,538
Depreciation	39,630	42,643	-	51,200	52,200	(5)	53,244	54,309	55,395	56,503
Debt Service Expense	-	-	-	-	-	(6)	-	60,575	60,575	60,575
Capital Outlay	23,276	-	-	89,000	70,980	(7)	1,440,963	13,217	68,145	84,254
Transfer Out	-	-	-	-	-		-	-	-	-
TOTAL EXPENDITURES	(141,291)	(120,996)	(29,864)	(227,005)	(216,430)	(8)	(1,589,322)	(225,117)	(283,072)	(302,268)
NET REVENUE OVER										
(UNDER) EXPENSE	(52,949)	(33,959)	16,136	(138,060)	324,297		(11,846)	(101,366)	(148,308)	93,992
ENDING BALANCE	19,332	15,893	20,307	(70,967)	305,530		346,928	299,870	206,957	357,452

(1) Projected 10% increase Projected for all future years. Debt payments projections to increase to \$220K by 2031.

(2) Receipt of State Bond for Bliss Nitrate and Bliss Main Lift Station #2 Upgrade. Projected half the cost of project.

(3) Receipt of Bond proceeds from bonds issued by the City. Debt to be paid by users.

(4) Recommended allocation of ARPA Funds towards addressing financial shortfall in 602

(5) Small inflationary and market adjustments to operational expenses. See budget detail page.

(6) Debt service payments projected to being in 2024 for Big Marine Sewer

(7) See attached DRAFT Capital Outlay for details. Test well must be installed this year @ Bliss of added \$60k expense.

(8) There are no changes in 2022 based on either funding senerio. The changes only occur 2023 and forward.

		CIP Inflation Factor												
		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%		
Item #	Capital Project Name	Project First Year	2021 Costs	2021 Budget	2022 Budget	2023 Projected	2024	2025	2026	2027	2028	2029	2030	2031
1	A/E Drainfield	2021	300,000	-	-	-	-	-	-	-	-	-	-	-
2	A/E Drainfield engineering	2025	50,000	-	-	-	-	58,493	-	-	-	-	-	-
3	Bios nitrate treatment equipment	2023	967,000	-	-	1,045,007	-	-	-	-	-	-	-	-
4	Flow meters	2021	12,000	-	-	-	-	-	-	-	-	-	-	-
5	Test well	2021	60,000	62,400	-	-	-	-	-	-	-	-	-	-
6	LS #1 Control Panel	2027	10,000	-	-	-	-	-	-	12,653	-	-	-	-
7	LS 2 Control Panel	2026	10,000	-	-	-	-	-	12,167	-	-	-	-	-
8	LS 2 Control Panel	2031	1,500	-	-	-	-	-	-	-	-	-	-	2,220
9	LS #1 (Layton Ave)	2022	500	520	-	-	-	-	-	-	-	-	-	-
10	LS #1 (Layton Ave)	2023	500	-	541	-	-	-	-	-	-	-	-	-
11	LS #1 (Layton Ave)	2024	2,500	-	-	2,812	-	-	-	-	-	-	-	-
12	LS #1 (Layton Ave)	2025	500	-	-	585	-	-	-	-	-	-	-	-
13	LS #1 (Layton Ave)	2026	500	-	-	608	-	-	-	-	-	-	-	-
14	LS #1 (Layton Ave)	2027	350,000	-	-	-	-	-	442,862	-	-	-	-	-
15	LS #1 (Layton Ave)	2028	500	-	-	-	-	-	-	658	-	-	-	-
16	LS #1 (Layton Ave)	2029	500	-	-	-	-	-	-	-	684	-	-	-
17	LS #1 (Layton Ave)	2030	500	-	-	-	-	-	-	-	-	712	-	-
18	LS #1 (Layton Ave)	2031	500	-	-	-	-	-	-	-	-	-	740	-
19	LS #2 (189th - Main Station)	2022	500	520	-	-	-	-	-	-	-	-	-	-
20	LS #2 (189th - Main Station)	2023	2,500	-	2,704	-	-	-	-	-	-	-	-	-
21	LS #2 (189th - Main Station)	2024	500	-	-	562	-	-	-	-	-	-	-	-
22	LS #2 (189th - Main Station)	2025	500	-	-	585	-	-	-	-	-	-	-	-
23	LS #2 (189th - Main Station)	2023	355,000	-	-	383,968	-	-	-	-	-	-	-	-
24	LS #2 (189th - Main Station)	2027	500	-	-	-	-	-	-	633	-	-	-	-
25	LS #2 (189th - Main Station)	2028	500	-	-	-	-	-	-	-	658	-	-	-
26	LS #2 (189th - Main Station)	2029	500	-	-	-	-	-	-	-	-	684	-	-
27	LS #2 (189th - Main Station)	2030	500	-	-	-	-	-	-	-	-	-	712	-
28	LS #2 (189th - Main Station)	2031	2,500	-	-	-	-	-	-	-	-	-	-	3,701
29	LS #3 Pump 1 Replacement	2021	6,000	6,000	-	-	-	-	-	-	-	-	-	-
30	LS #3 Pump 2 Replacement	2021	6,000	6,000	-	-	-	-	-	-	-	-	-	-
31	LS #3 (Dosage Tanks)	2022	500	520	-	-	-	-	-	-	-	-	-	-
32	LS #3 (Dosage Tanks)	2023	500	-	541	-	-	-	-	-	-	-	-	-
33	LS #3 (Dosage Tanks)	2024	500	-	-	562	-	-	-	-	-	-	-	-
34	LS #3 (Dosage Tanks)	2025	500	-	-	585	-	-	-	-	-	-	-	-
35	LS #3 (Dosage Tanks)	2026	2,500	-	-	-	-	3,042	-	-	-	-	-	-
36	LS #3 (Dosage Tanks)	2027	500	-	-	-	-	-	633	-	-	-	-	-
37	LS #3 (Dosage Tanks)	2028	500	-	-	-	-	-	-	658	-	-	-	-
38	LS #3 (Dosage Tanks)	2029	500	-	-	-	-	-	-	-	684	-	-	-
39	LS #3 (Dosage Tanks)	2030	70,000	-	-	-	-	-	-	-	-	99,632	-	-
40	LS #3 (Dosage Tanks)	2031	2,500	-	-	-	-	-	-	-	-	-	3,701	-
41	LS #4 Pump 1 Replacement	2021	6,000	6,000	-	-	-	-	-	-	-	-	-	-
42	LS #4 Pump 2 Replacement	2021	6,000	6,000	-	-	-	-	-	-	-	-	-	-
43	LS #4 (Dosage Tanks)	2022	500	520	-	-	-	-	-	-	-	-	-	-
44	LS #4 (Dosage Tanks)	2023	500	-	541	-	-	-	-	-	-	-	-	-
45	LS #4 (Dosage Tanks)	2024	500	-	-	562	-	-	-	-	-	-	-	-
46	LS #4 (Dosage Tanks)	2025	500	-	-	585	-	-	-	-	-	-	-	-
47	LS #4 (Dosage Tanks)	2026	500	-	-	608	-	-	-	-	-	-	-	-
48	LS #4 (Dosage Tanks)	2027	2,500	-	-	-	-	3,163	-	-	-	-	-	-
49	LS #4 (Dosage Tanks)	2028	500	-	-	-	-	-	658	-	-	-	-	-
50	LS #4 (Dosage Tanks)	2029	500	-	-	-	-	-	-	684	-	-	-	-
51	LS #4 (Dosage Tanks)	2031	500	-	-	-	-	-	-	-	-	-	740	-
52	LS #4 (Dosage Tanks)	2030	70,000	-	-	-	-	-	-	-	-	-	99,632	-
53	Repairs	2022	2,500	2,600	2,704	2,812	2,925	3,042	3,163	3,290	3,421	3,558	3,701	-
54	Forecman	2021	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
55	Forecman	2022	500	520	-	-	-	-	-	-	-	-	-	-
56	Forecman	2026	50,000	-	-	541	562	585	-	-	-	-	-	-
57	Forecman	2028	500	-	-	-	-	-	63,266	-	-	-	-	-
58	Forecman	2030	80,000	-	-	-	-	-	-	-	684	-	-	-
59	Forecman	2028	5,000	-	-	-	-	-	-	-	6,580	-	-	71,166
60	Forecman	2031	500	-	-	-	-	-	-	-	-	-	740	-
61	Connection metering	2028	120,000	-	-	-	-	-	-	-	157,912	-	-	-
62	Connection meter equipment	2028	25,000	-	-	-	-	-	-	-	32,898	-	-	-
63	A/E control panel	2029	50,000	-	-	-	-	-	-	-	-	68,428	-	-
64	A/E LS	2022	1,000	1,040	1,082	-	-	-	-	-	-	-	-	-
65	A/E LS	2024	2,500	-	2,812	-	-	-	-	-	-	-	-	-
66	A/E LS	2025	1,000	-	-	-	-	1,217	1,265	1,316	-	-	-	-
67	A/E LS	2029	350,000	-	-	-	-	-	-	-	-	478,999	-	-
68	A/E LS	2030	1,000	-	-	-	-	-	-	-	-	-	1,480	-
69	A/E repairs	2022	1,750	1,820	1,893	1,969	2,047	2,129	2,214	2,303	2,395	2,491	2,590	-
70	A/E Forecman	2022	500	520	541	562	585	608	633	658	-	-	-	-
71	A/E Forecman	2029	30,000	-	-	-	-	-	-	-	68,428	-	-	-
72	A/E Forecman	2030	500	-	-	-	-	-	-	-	-	-	740	-
73	A/E connection metering and software	2030	65,000	-	-	-	-	-	-	-	-	-	92,515	-
74	TOTALS		3,079,750	36,500	70,980	1,440,963	13,217	66,975	23,421	530,484	207,589	625,093	370,417	20,353



2022 Draft Scandia Sewer Budget - Presented 9/30/2021

Big Marine Sewer - with or w/o Bonding or State Aid - Bliss & Anderson/Erikson Systems

Type Code	Description	Actual 2019	Actual 2020	Budget 2021	Actual 7/31/2021	Preliminary 2022	dif over PY Budget	Notes
FUND 602 SEWER - BIG MARINE FUND								
R 602-31951	Special Assessments Principal	-	-	-	-	-	-	- NOTE CHANGES DUE TO STATE BOND AID ARE NOT ANTICIPATED UNTIL 2023 BUDGET YR
R 602-31952	SA Penalties & Interest	777	3,575	200	139	-	(200)	BUDGETS ARE TO BE THE SAME BETWEEN BOTH OPTIONS IN 2022
R 602-33422	Other State Grants & Aids	35	47,202	-	-	-	-	2020 Revenue was a FEMA reimbursement + \$30,173 rec'd Sept. 2020
R 602-34401	Sewer User Fees & Hookup	81,238	83,175	88,045	45,861	96,850	8,805	
R 602-36100	Special Assessments	4,047	3,269	-	-	300	300	
R 602-36210	Interest Income	3,226	353	700	-	1,725	1,025	
R 602-36250	Misc. Refund	-	550	-	-	-	-	
R 602-39200	Interfund Transfers In	-	-	10,000	-	441,892	431,892	
TOTAL 602 REVENUE		89,322	138,124	98,945	46,001	540,767	441,822	
Fund 602 EXPENSES								
E 602-43210-101	Regular Wages & Salaries	17,996	19,129	20,000	5,541	21,600	1,600	
E 602-43210-102	OT Regular Wages	1,354	106	-	220	-	-	
E 602-43210-120	Pension Expense	(2,714)	(3,054)	-	-	-	-	
E 602-43210-121	PERA Coord. Employer Contribu.	1,444	1,443	1,500	378	1,600	100	
E 602-43210-122	FICA Employer Contribution	1,131	1,128	1,200	334	1,300	100	
E 602-43210-126	MEDICARE Employer Contribution	265	260	300	87	300	-	
E 602-43210-151	Worker s Comp Insurance Prem	585	854	455	422	900	445	
E 602-43210-200	Office Supplies	134	-	200	75	200	-	
E 602-43210-210	Operating Supplies	642	803	2,400	550	2,400	-	Additives to help break down the nitrogen - add to lift Station #2 -proposal
E 602-43210-240	Small Tools and Minor Equip	20	147	550	-	550	-	
E 602-43210-303	Engineering Fees	18,522	4,200	8,000	5,146	10,400	2,400	
E 602-43210-304	Legal Services	-	-	-	-	-	-	
E 602-43210-308	Other Professional Services	2,456	2,651	2,200	1,410	2,200	-	PACE testing
E 602-43210-309	Software Support & Maintenance	1,439	716	1,200	-	1,200	-	SCADA computer system
E 602-43210-311	Contract Permit Inspections	-	-	-	-	-	-	
E 602-43210-317	Employee Training	351	508	1,400	130	1,400	-	
E 602-43210-321	Telephone	2,290	2,255	2,100	1,305	2,100	-	SCADA caller
E 602-43210-322	Postage	200	247	550	-	550	-	
E 602-43210-331	Travel Expenses	156	-	200	-	200	-	
E 602-43210-334	Licenses & Permits	1,949	754	1,600	714	1,600	-	
E 602-43210-361	Liability/Property Ins	841	1,052	1,100	900	900	(200)	
E 602-43210-381	Utilities-Electric & Gas	2,209	1,793	2,500	1,012	2,500	-	
E 602-43210-385	Sewer Pumping & Maintenance	7,243	10,000	9,000	-	11,000	2,000	
E 602-43210-386	Operation & Maintenance	4,434	9,772	5,000	1,574	5,000	-	
E 602-43210-404	Repair Machinery/Equipment	4,746	16,180	16,000	10,065	16,000	-	
E 602-43210-413	Equipment Rental	-	-	350	-	350	-	
E 602-43210-420	Depreciation Expense	39,630	42,643	51,200	-	52,200	1,000	
E 602-43210-438	Misc. Contractual	10,691	7,410	9,000	-	9,000	-	
E 602-43210-439	Refunds Issued	-	-	-	-	-	-	
E 602-43210-530	Capital Impr Other Than Bldgs	-	104,435	89,000	-	70,980	(18,020)	Amendment to 2021 for Test Well Replacement +\$60k over original budget
E 602-43210-570	Office Equipment	-	-	-	-	-	-	
E 602-43210-611	Interest Expense	-	-	-	-	-	-	
E 602-43210-720	Operating Transfers	-	-	-	-	-	-	
TOTAL FUND 602 EXPENDITURES		118,013	225,430	227,005	29,863	216,430	(10,575)	
NET REVENUE OVER EXPENDITURES		(28,690)	(87,306)	(68,060)	(68,060)	(68,060)		