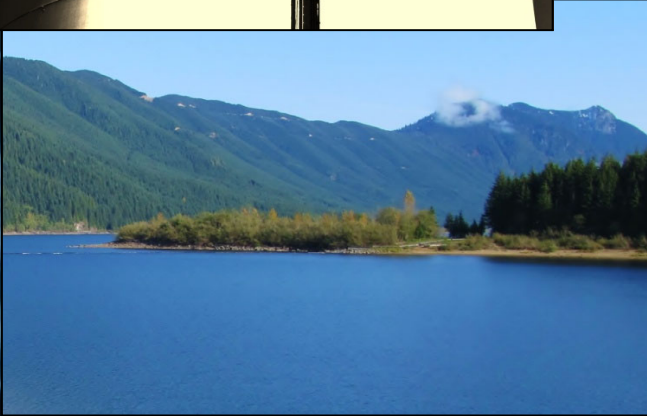
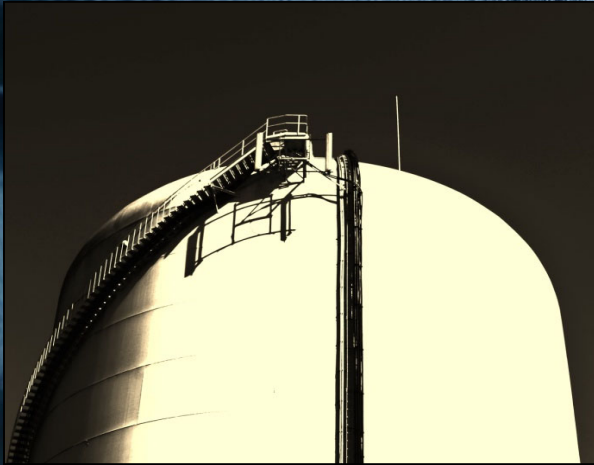


NORTH CITY Water District



2023 Budget

PO Box 55367 | 1519 NE 177th Street | Shoreline, WA 98155 | p. 206.362.8100 | f. 206.361.0629 | www.northcitywater.org

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December 20, 2022

Commissioners:

Ron Ricker

Charlotte Haines

Patricia Hale

District Manager:

Diane Pottinger, P.E.

Commissioners Hale, Ricker and Haines -

Attached please find North City Water District's Proposed Budget for 2023. We had previously adopted a three-year budget for 2021-2023. However, with the impact of COVID, especially the suspension of late fees and holding the 2021 water rates at the 2020 levels, the recent increase in new development, the salary survey conducted in 2021 that resulted in salary increases across the board for staff, and the substantial increase in the Consumer Price Index over the last two years, we recognized that we needed to update our 2023 budget. It took some "pencil sharpening" but we are proud to say, that even with all these changes, the District is only required to adopt a modest rate increase of 4% for 2023.

The world has been changing very quickly over the last couple of years and there is no reason to think this pattern will not continue. Therefore, we are proposing the District continue the practice of updating our budget on an annual basis. This will allow us to more closely monitor the impacts of shifting usage patterns, inflation, and new development on our utility.

2022 was busy a busy year and we expect 2023 to be even more so.

2022 ACHIEVEMENTS

The District accomplished the following items in 2022:

On-going accomplishments:

- (1) Continued to receive multiple calls and emails complimenting staff (both in the office and the field) on their exceptional customer service,
- (2) On-going cross training of staff,
- (3) Another year of clean audits (three in 2023 – 2020 and 2021 State audits and one with the Department of Retirement for 2021),
- (4) Completion of a 2023 operating and capital budget,
- (5) Reviews with staff and commissioner to update portions of the District's Code,
- (6) On-going educational meetings with our legislators,
- (7) Continued working and meeting with Shoreline Fire District staff and elected officials,
- (8) Continued to proactively provide maintenance and replacement of District system components,
- (9) Continued to update the maintenance activities of the District's hydrant, valves, meters, and services,
- (10) Participated in the National AWWA Benchmarking survey,
- (11) Continued to educate our community about water supply in newsletters.

New or one-time accomplishments:

- (1) Reorganized of the office staff to match the organization of the field staff more closely,
- (2) Hired and trained new employees for both the office and field staff,
- (3) Completed a multi-year effort to update our Employee Handbook,
- (4) Completed our 90 year look back at the District,
- (5) Complete the construction of the new maintenance facility,
- (6) Sold the old maintenance facility,

- (7) Changed the purchase order, inventory, and work order system,
- (8) Negotiate an update to our lease with T-Mobile at our 3.7 MG reservoir,
- (9) Made improvements to the individual radios as part of the fixed based meter reading system,
- (10) Completed replacing/upgrading nearly 30 service lines as part of the City of Shoreline's sidewalk project,
- (11) Made improvements to the 2.0 MG reservoir,
- (12) Signed five Water System Extension Agreements (WSEAs) in 2022, closed four WSEAs and continue to work on five additional active WSEAs.

In 2023, the District expects to:

On-going goals:

- (1) Continue on with all that is shown above for 2022, and more, with the same excellent level of service.

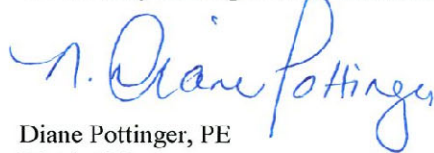
New or one-time goals:

- (1) Recruit and train an additional office staff person,
- (2) Purchase and install an in-house integrated payroll system,
- (3) Update the District's Connection Charge,
- (4) Perform a cost-of-service rate study,
- (5) Track and report system efficiencies gained by the new meter reading system,
- (6) Successfully complete negotiate a new wholesale contract with SPU,
- (7) Expand our public outreach efforts including hosting Savvy Gardener classes, and multiple community events,
- (9) Work with others regarding the Fircrest Campus potential redevelopment, changes to the Fircrest water system and renegotiate Fircrest Agreement with Department of Social and Health Services,
- (10) Begin gathering information for the lead service line inventory project,
- (11) Complete initial entry of electronic tracking of District operations and maintenance of hydrant and valves; begin scheduling maintenance of system components,
- (12) Clean, maintain, and paint district hydrants to AWWA standards,
- (13) Begin a multi-year process to update District's GIS system and reconcile to the Fixed Asset schedule,
- (14) Complete the review and update District's easements. Identify/obtain, if the District is missing any easements. Begin a multi-year inspection of easements.
- (15) Complete ten and start an additional six capital projects as defined in more detail within the capital budget detail pages of the budget.

Impact to Rate Payers

Seattle Public Utilities (SPU) will not be increasing the wholesale water rates in 2023. Rate increases from SPU over the next several years are yet unknown, which is the biggest reason the District only needs a 4% rate increase for 2023. The District has the practice of raising rates modestly each year so that the needs of the rate payers can be met without affecting them adversely in any given year.

We are truly looking forward to another successful year in 2023.

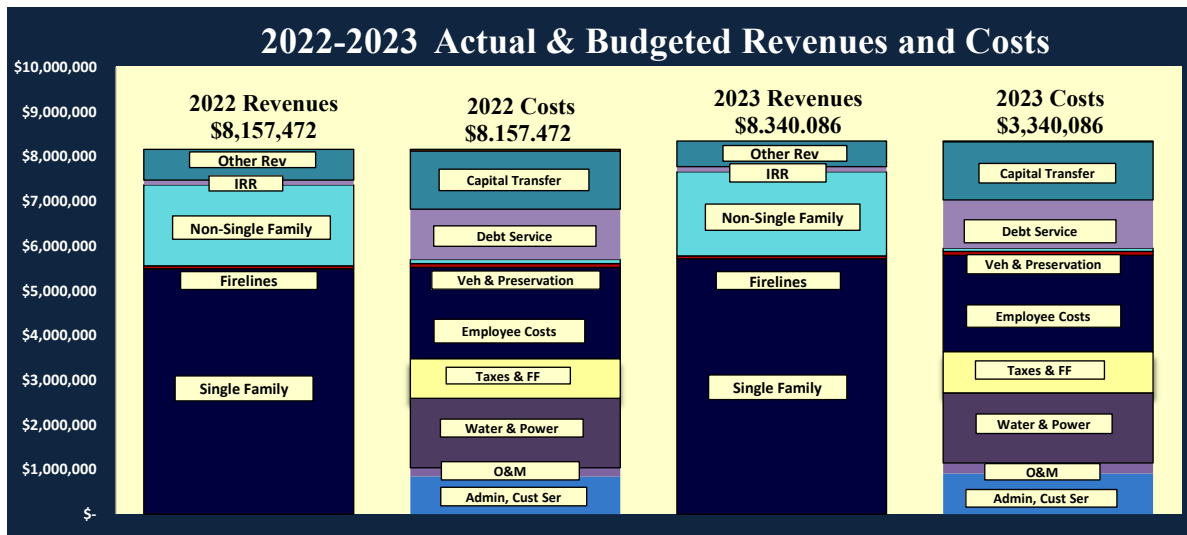


Diane Pottinger, PE
District Manager



Budget at a Glance

	Budget at a Glance			
	2023 Budget			
	2022 YE Projected	2023 Budget	2023 Bud - 2022 YE Actual	Percent Change
Revenue				
SERVICE REVENUE:				
SINGLE FAMILY	\$ 5,488,767	\$ 5,708,317	\$ 219,550	4.0%
NON-SINGLE FAMILY	1,807,997	1,880,317	72,320	4.0%
IRRIGATION	109,926	114,323	4,397	4.0%
FIRELINES	62,042	64,523	2,482	4.0%
TOTAL SERVICE REVENUE	7,468,733	7,767,481	298,748	4.0%
OTHER REVENUE	688,739	572,605	(116,134)	-16.9%
Total Revenue	8,157,472	8,340,086	182,614	2.2%
Net Use of Reserves			-	
Total Revenues	\$ 8,157,472	\$ 8,340,086	\$ 182,614	2.2%
Costs				
Operating Costs				
BUSINESS ADMINISTRATION	297,769	307,930	10,161	3.4%
PLANNING AND DEVELOPMENT	10,000	10,000	-	0.0%
PUBLIC AND REGIONAL OUTREACH	49,926	58,750	8,824	17.7%
OFFICE AND RECORDS MANAGEMENT	357,330	389,460	32,130	9.0%
CUSTOMER SERVICE AND BILLING	129,660	141,340	11,680	9.0%
PURCHASED WATER	1,516,270	1,523,740	7,470	0.5%
PURCHASED POWER	34,358	37,450	3,092	9.0%
OPERATIONS AND MAINTENANCE	194,332	238,950	44,618	23.0%
TAXES AND FRANCHISE FEES	887,839	924,289	36,450	4.1%
PASS-THRU COSTS	1,447	1,580	133	9.2%
PAYROLL COSTS (Net Capitalization)	2,037,556	2,151,818	114,262	5.6%
Total Operating Costs	5,516,486	5,785,306	268,820	4.9%
Capital Costs				
DEBT SERVICE (Net of capitalization)	1,128,363	1,083,019	(45,344)	-4.0%
CAPITAL TRANSFERS	1,300,000	1,300,000	-	0.0%
VEHICLE REPLACEMENT TRANSFER	85,000	88,000	3,000	3.5%
Total Capital Costs	2,513,363	2,471,019	(42,344)	-1.7%
TRANSFER TO PRESERVATION ACCT	50,000	50,000	-	0.0%
TRANSFER TO EXTRAORDINARY MAINT ACCT	40,000	20,000	(20,000)	-50.0%
Total Before Additions to Reserves	8,119,850	8,326,325	206,475	2.5%
Net Additions to Reserves	37,622	13,761	(23,861)	n/a
Total Costs	\$ 8,157,472	\$ 8,340,086	\$ 182,614	2.2%





Operating Costs



Operating Costs by Object (Type) and Function (Purpose)

2023 - Budget - Summary

	2021 Actual	2022 Year- End Projected	2023 Budget	Business Admin	Cust Service & Billing	O&M General & Admin	Source of Supply & Pump	Storage	Meters & Services	Dist System	Hydrants
BUSINESS ADMINISTRATION											
Legal Services	68,070	60,826	66,300	66,300	-	-	-	-	-	-	-
Financial Services	15,449	18,238	26,630	26,630	-	-	-	-	-	-	-
Insurance	149,929	170,640	186,010	185,250	-	760	-	-	-	-	-
Elections	-	42,707	19,220	19,220	-	-	-	-	-	-	-
Miscellaneous & Other	10,665	5,358	9,770	7,300	-	2,470	-	-	-	-	-
TOTAL BUSINESS ADMINISTRATION	244,105	297,769	307,930	304,700	-	3,230	-	-	-	-	-
PLANNING & DEVELOPMENT											
Professional Services	-	10,000	10,000	10,000	-	-	-	-	-	-	-
TOTAL PLANNING & DEVELOPMENT	-	10,000	10,000	10,000	-	-	-	-	-	-	-
PUBLIC & REGIONAL OUTREACH											
Regional Dues & Memberships	21,423	19,845	21,630	21,630	-	-	-	-	-	-	-
Newsletters/Website/Special Events	30,360	29,070	36,020	36,020	-	-	-	-	-	-	-
Other Public Outreach	425	1,011	1,100	1,100	-	-	-	-	-	-	-
TOTAL PUBLIC & REGIONAL OUTREACH	52,208	49,926	58,750	58,750	-	-	-	-	-	-	-
OFFICE & RECORDS MANAGEMENT											
General Office Expense	14,971	14,817	16,150	16,150	-	-	-	-	-	-	-
Office Supplies & Equipment	21,202	18,333	19,980	17,130	-	2,850	-	-	-	-	-
Computer Systems	151,655	160,215	174,620	123,460	-	51,160	-	-	-	-	-
Phones & Internet	45,169	44,380	48,360	26,170	-	22,190	-	-	-	-	-
Building & Grounds Maint & Repair	116,032	119,586	130,350	58,760	-	71,590	-	-	-	-	-
TOTAL OFFICE & RECORDS MANAGEMENT	349,029	357,330	389,460	241,670	-	147,790	-	-	-	-	-
CUSTOMER SERVICE & BILLING											
Billing	112,264	121,764	132,730	-	132,730	-	-	-	-	-	-
Reporting	3,018	7,896	8,610	-	8,610	-	-	-	-	-	-
TOTAL CUSTOMER SERVICE & BILLING	115,282	129,660	141,340	-	141,340	-	-	-	-	-	-
PURCHASED WATER & POWER											
Water	1,588,637	1,516,270	1,523,740	-	-	-	1,523,740	-	-	-	-
Power	28,687	34,358	37,450	-	-	-	37,450	-	-	-	-
TOTAL PURCHASED WATER & POWER	1,617,324	1,550,628	1,561,190	-	-	-	1,561,190	-	-	-	-
OPERATIONS & MAINTENANCE											
Professional & Other Services	61,730	36,600	62,890	-	-	56,520	890	-	1,520	3,960	-
Supplies & Materials	141,680	63,952	87,300	-	-	27,310	3,250	6,130	27,510	20,190	2,910
Small Tools & Equipment	2,814	-	1,170	-	-	1,170	-	-	-	-	-
Telemetry	9,147	18,845	12,890	-	-	-	12,890	-	-	-	-
Field Vehicle Expense	61,336	40,088	35,090	-	-	35,090	-	-	-	-	-
Miscellaneous	34,716	34,848	39,610	-	-	33,930	-	-	3,270	1,480	930
TOTAL OPERATIONS & MAINTENANCE	311,423	194,332	238,950	-	-	154,020	17,030	6,130	32,300	25,630	3,840
TAXES & FRANCHISE FEES											
Taxes	389,823	465,080	484,620	468,870	-	15,750	-	-	-	-	-
Franchise fees	415,999	422,758	439,669	439,669	-	-	-	-	-	-	-
TOTAL TAXES & FRANCHISE FEES	805,822	887,839	924,289	908,539	-	15,750	-	-	-	-	-
PASS-THRU COSTS											
Charge Point 579120	1,450	1,447	1,580	1,580	-	-	-	-	-	-	-
Charge Point	1,450	1,447	1,580	1,580	-	-	-	-	-	-	-
TOTAL PASS-THRU COSTS	1,450	1,447	1,580	1,580	-	-	-	-	-	-	-
EMPLOYEE COSTS											
Travel & Training	13,645	27,471	40,000	17,430	-	22,570	-	-	-	-	-
Other Employee Costs	42,560	33,573	14,390	-	-	14,390	-	-	-	-	-
Temporary Employee Costs	-	15,421	-	-	-	-	-	-	-	-	-
Direct Payroll Costs	1,386,949	1,488,852	1,614,052	528,870	241,563	472,516	47,413	14,382	92,340	43,566	16,393
Payroll Benefits	598,209	579,115	640,385	177,035	94,275	369,075	-	-	-	-	-
Payroll Allocations to Capital	(101,581)	(106,877)	(157,009)	-	-	-	-	-	-	-	-
TOTAL EMPLOYEE COSTS	1,939,782	2,037,556	2,151,818	723,335	335,838	878,550	47,413	14,382	92,340	43,566	16,393
TOTAL OPERATING COSTS	5,436,427	5,516,486	5,785,306	2,248,574	477,178	1,199,340	1,625,633	20,512	124,640	69,196	20,233

North City WATER DISTRICT																																					
		2021 Actual	2022 Year- End Projected	2023 Budget	Business Admin	Admin- General	Admin- Planning	Public Outreach - Commission	Public Outreach - Programs	Finance - General	Cust Service & Billing	Cust Service - General	Cust Service - Billing	Cust Service - Reporting	Field Customer Service	O&M General & Admin	O&M - General Operations	O&M - Safety	Source of Supply & Pump	Source of Supply	Pumping O&M	Telemetry O&M	Storage	Reservoir O&M	Meters & Services	Water Service O&M	Meter O&M	Meter Reading	Dist System	Main O&M	Valve O&M	Water Quality	Hydrants				
2023 - BUDGET DETAIL						10	11	13	14	20						30	42			41	37	38			39			33	34	43		32	36	40	35		
BUSINESS ADMINISTRATION																																					
Legal Services																																					
	Prof Services - Legal - General 500100	35,580	15,171	18,540	18,540	18,540	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Prof Services - Legal - Meetings 500101	4,440	34,251	37,330	37,330	37,330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Prof Services - Legal - Interlocal/Regional 500102	1,500	3,333	1,630	1,630	1,630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Prof Services - Legal - Personnel 500103	26,550	8,070	1,800	1,800	1,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Prof Services - Legal - Public Records Req 500104	-	-	7,000	7,000	7,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Legal Services		68,070	60,826	66,300	66,300	66,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Financial Services																																					
	Prof Services-Financial 501100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Audit Services 501500	15,449	18,238	26,630	26,630	26,630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Financial Services		15,449	18,238	26,630	26,630	26,630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Insurance																																					
	Insurance Preimium 508100	146,128	169,951	185,250	185,250	185,250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Insurance - Other 508200	3,801	1,500	1,640	-	-	-	-	-	-	-	-	-	-	1,640	1,640	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Insurance - Claims 508300	-	(811)	(880)	-	-	-	-	-	-	-	-	-	-	(880)	(880)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Insurance		149,929	170,640	186,010	185,250	185,250	-	-	-	-	-	-	-	-	760	760	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Elections																																					
	Elections 510100	-	42,707	19,220	19,220	19,220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Elections		-	42,707	19,220	19,220	19,220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Miscellaneous & Other																																					
	Miscellaneous 515100	183	58	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Manager Expense 516100	3,449	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Commissioner's Expense 516200	166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Advertising Expense 517100	6,859	4,499	4,910	2,440	2,440	-	-	-	-	-	-	-	-	2,470	2,470	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Rental Property Expense 518100	-	800	4,800	4,800	4,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	518101	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Miscellaneous & Other		10,665	5,358	9,770	7,300	7,300	-	-	-	-	-	-	-	-	2,470	2,470	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
TOTAL BUSINESS ADMINISTRATION		244,105	297,769	307,930	304,700	304,700	-	-	-	-	-	-	-	-	3,230	3,230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
PLANNING & DEVELOPMENT																																					
	Prof Services - Unspecified Projects 520600	-	10,000	10,000	10,000	-	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Peservation Planning Reserve 520999	-	50,000	50,000	50,000	-	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Transfer to Preservation Reserve Acct	-	(50,000)	(50,000)	(50,000)	-	(50,000)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Professional Services		-	10,000	10,000	10,000	-	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
TOTAL PLANNING & DEVELOPMENT		-	10,000	10,000	10,000	-	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
PUBLIC & REGIONAL OUTREACH																																					
Regional Dues & Memberships																																					
	Dues/Membership/Cert. 523100	21,423	19,845	21,630	21,630	-	-	-	21,630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Regional Dues & Memberships		21,423	19,845	21,630	21,630	-	-	-	21,630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Newsletters/Website/Special Events																																					
	Newsletter Distribution & Other 524100	21,738	18,600	20,270	20,270	-	-	-	20,270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Newsletter Professional Services 524101	4,323	5,700	6,210	6,210	-	-	-	6,210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Website - Other Costs 524200	1,022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									

2023 - BUDGET DETAIL		2021	2022 Year-	2023 Budget	Business Admin	Admin-	Admin-	Public	Public	Finance -	Cust Service & Billing	Cust Service -	Cust Service -	Cust Service -	Field Customer	O&M General & Admin	O&M -	O&M -	Source of Supply & Pump	Source of	Pumping	Telemetry	Storage	Reservoir	Meters & Services	Water Service	Meter	Meter	Dist System	Main O&M	Valve	Water	Hydrants
		Actual	End Projected			General	Planning	Outreach - Commission	Outreach - Programs	General		General	Billing	Reporting	Service		General	Billing		Reporting	Customer	Operations		Safety		Supply	O&M	O&M		O&M	O&M	O&M	
						10	11	13	14	20		50	51	53	31		30	42		41	37	38		39		33	34	43		32	36	40	35
OFFICE & RECORDS MANAGEMENT																																	
General Office Expense																																	
Postage	530100	2,540	1,859	2,030	2,030	2,030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Courier Services	530200	217	887	970	970	970	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Miscellaneous Office/Shop Expense	530300	2,489	1,572	1,710	1,710	1,710	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Temp Office Rent Expense	530400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other Services - Payroll	530500	9,725	10,498	11,440	11,440	11,440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
General Office Expense		14,971	14,817	16,150	16,150	16,150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Office Supplies & Equipment				71%																													
Office Supplies	531100	19,995	16,784	18,290	15,440	15,440	-	-	-	-	-	-	-	-	-	2,850	2,850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Publications and Newspapers	531200	-	220	240	240	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Equipment & Small Tools	531300	1,208	1,329	1,450	1,450	1,450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Office Supplies & Equipment		21,202	18,333	19,980	17,130	17,130	-	-	-	-	-	-	-	-	-	2,850	2,850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Computer Systems																																	
Computer Supplies	532120	504	810	880	30	30	-	-	-	-	-	-	-	-	-	850	850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Computers & Printers	532200	468	1,456	1,590	1,590	1,590	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Software	532300	21,340	8,870	9,670	2,960	2,960	-	-	-	-	-	-	-	-	-	6,710	6,710	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Maintenance Agreements	532350	54,126	66,834	72,840	69,880	69,880	-	-	-	-	-	-	-	-	-	2,960	2,960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Professional Services - Computer	532400	75,218	82,244	89,640	49,000	49,000	-	-	-	-	-	-	-	-	-	40,640	40,640	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Computer Systems		151,655	160,215	174,620	123,460	123,460	-	-	-	-	-	-	-	-	-	51,160	51,160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Phones & Internet																																	
Cell Phones	534200	7,382	9,539	10,390	1,830	1,830	-	-	-	-	-	-	-	-	-	8,560	8,560	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Alarm Monitoring	534300	4,930	4,604	5,010	2,450	2,450	-	-	-	-	-	-	-	-	-	2,560	2,560	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Phone System & Internet	534400	32,857	30,237	32,960	21,890	21,890	-	-	-	-	-	-	-	-	-	11,070	11,070	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Phones & Internet		45,169	44,380	48,360	26,170	26,170	-	-	-	-	-	-	-	-	-	22,190	22,190	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Building & Grounds - Maintenance & Operations																																	
Custodial																																	
Kitchen / Custodial Supplies	535200	3,641	3,870	4,220	4,220	4,220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Custodial Services	535300	10,946	8,464	9,230	4,640	4,640	-	-	-	-	-	-	-	-	-	4,590	4,590	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Custodial		14,587	12,335	13,450	8,860	8,860	-	-	-	-	-	-	-	-	-	4,590	4,590	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Utilites																																	
Utilities - Electric	536100	25,075	32,778	35,730	22,200	22,200	-	-	-	-	-	-	-	-	-	13,530	13,530	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Utilities - Garbage	536200	5,530	4,795	5,230	1,750	1,750	-	-	-	-	-	-	-	-	-	3,480	3,480	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Utilities - Sewer	536300	6,525	2,597	2,830	980	980	-	-	-	-	-	-	-	-	-	1,850	1,850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Utilities - Gas	536400	8,168	6,277	6,840	3,600	3,600	-	-	-	-	-	-	-	-	-	3,240	3,240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Utilites		45,298	46,447	50,630	28,530	28,530	-	-	-	-	-	-	-	-	-	22,100	22,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Maintenance & Repairs																																	
Maintenance - Buildings	537100	7,817	13,807	15,050	7,620	7,620	-	-	-	-	-	-	-	-	-	7,430	7,430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Maintenance - Grounds	537200	40,686	35,563	38,760	9,300	9,300	-	-	-	-	-	-	-	-	-	29,460	29,460	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Maint & Repairs - General	537300	7,644	11,434	12,460	4,450	4,450	-	-	-	-	-	-	-	-	-	8,010	8,010	-	-	-	-	-	-	-	-	-	-	-					

North City WATER DISTRICT																																	
		2021 Actual	2022 Year- End Projected	2023 Budget	Business Admin	Admin- General	Admin- Planning	Public Outreach - Commission	Public Outreach - Programs	Finance - General	Cust Service & Billing	Cust Service - General	Cust Service - Billing	Cust Service - Reporting	Field Customer Service	O&M General & Admin	O&M - General Operations	O&M - Safety	Source of Supply & Pump	Source of Supply	Pumping O&M	Telemetry O&M	Storage	Reservoir O&M	Meters & Services	Water Service O&M	Meter O&M	Meter Reading	Dist System	Main O&M	Valve O&M	Water Quality	Hydrants
2023 - BUDGET DETAIL						10	11	13	14	20		50	51	53	31		30	42		41	37	38		39		33	34	43		32	36	40	35
PURCHASED WATER & POWER																																	
Water																																	
SPU	550100	1,588,637	1,516,270	1,523,740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,523,740	1,523,740	-	-	-	-	-	-	-	-	-	-	-	-	-
Water		1,588,637	1,516,270	1,523,740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,523,740	1,523,740	-	-	-	-	-	-	-	-	-	-	-	-	-
Power																																	
Purchased Power	555100	28,687	34,358	37,450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37,450	-	37,450	-	-	-	-	-	-	-	-	-	-	-	-
Power		28,687	34,358	37,450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37,450	-	37,450	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PURCHASED WATER & POWER		1,617,324	1,550,628	1,561,190	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,561,190	1,523,740	37,450	-	-	-	-	-	-	-	-	-	-	-	-
OPERATIONS & MAINTENANCE																																	
Professtional & Other Outside Services																																	
Engineering Services	560100	2,100	1,250	15,000	-	-	-	-	-	-	-	-	-	-	-	15,000	15,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineering Services - CWA	560102	37,900	35,100	40,000	-	-	-	-	-	-	-	-	-	-	-	40,000	40,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other Outside Services	560200	21,730	250	7,890	-	-	-	-	-	-	-	-	-	-	-	1,520	1,520	-	890	-	890	-	-	-	1,520	1,520	-	-	3,960	-	2,610	1,350	-
Professtional & Other Outside Services		61,730	36,600	62,890	-	-	-	-	-	-	-	-	-	-	-	56,520	56,520	-	890	-	890	-	-	-	1,520	1,520	-	-	3,960	-	2,610	1,350	-
				91%																													
Supplies & Materials																																	
Supplies - O&M by Function	565100	121,258	40,987	64,310	-	-	-	-	-	-	-	-	-	-	-	27,310	22,020	5,290	3,250	1,770	810	670	6,130	6,130	10,820	9,310	1,510	-	13,890	5,210	4,950	3,730	2,910
Supplies - Inventory by Function	565110	20,422	22,965	22,990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16,690	8,540	8,150	-	6,300	2,020	4,280	-	-
Supplies & Materials		141,680	63,952	87,300	-	-	-	-	-	-	-	-	-	-	-	27,310	22,020	5,290	3,250	1,770	810	670	6,130	6,130	27,510	17,850	9,660	-	20,190	7,230	9,230	3,730	2,910
Small Tools & Equipment																																	
Small Tools & Equipment	568100	2,814	-	1,170	-	-	-	-	-	-	-	-	-	-	-	1,170	1,170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small Tools & Equipment		2,814	-	1,170	-	-	-	-	-	-	-	-	-	-	-	1,170	1,170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Communications																																	
Telemetry	570100	9,147	18,845	12,890	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,890	-	-	12,890	-	-	-	-	-	-	-	-	-	-	-
Telemetry		9,147	18,845	12,890	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,890	-	-	12,890	-	-	-	-	-	-	-	-	-	-	-
Field Vehicle Expense																																	
Fuel Consumed - Vehicles	572100	18,193	27,183	21,020	-	-	-	-	-	-	-	-	-	-	-	21,020	21,020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oil - field Vehicles	572101	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Repairs & Maint - Vehicles	572200	43,144	12,904	14,070	-	-	-	-	-	-	-	-	-	-	-	14,070	14,070	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Field Vehicle Expense		61,336	40,088	35,090	-	-	-	-	-	-	-	-	-	-	-	35,090	35,090	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous																																	
Locates, Permits & Inspections	574100	7,863	6,643	8,860	-	-	-	-	-	-	-	-	-	-	-	3,180	3,180	-	-	-	-	-	-	-	3,270	3,270	-	-	1,480	1,480	-	-	930
Extraordinary Maintenance (late patches, main breaks, veh repair)	574110	-	40,000	20,000	-	-	-	-	-	-	-	-	-	-	-	20,000	20,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transfer for Extra Maint Acct			(40,000)	(20,000)	-	-	-	-	-	-	-	-	-	-	-	(20,000)	(20,000)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Operating Fee	574200	12,333	12,383	13,500	-	-	-	-	-	-	-	-	-	-	-	13,500	13,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antenna Rental Bldg Costs	574300	14,520	15,822	17,250	-	-	-	-	-	-	-	-	-	-	-	17,250	17,250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous		34,716	34,848	39,610	-	-	-	-	-	-	-	-	-	-	-	33,930	33,930	-	-	-	-	-	-	-	3,270	3,270	-	-	1,480	1,480	-	-	930
TOTAL OPERATIONS & MAINTENANCE		311,423	194,332	238,950	-	-	-	-	-	-	-	-	-	-	-	154,020	148,730	5,290	17,030	1,770	1,700	13,560	6,130	6,130	32,300	22,640	9,660	-	25,630	8,710	11,840	5,080	3,840
TAXES & FRANCHISE FEES																																	
Taxes																																	

North City WATER DISTRICT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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Water Purchased from Seattle Public Utilities (SPU)

2023 BUDGET

2021 Actual							Rates				Water Purchase Costs for 2021		
Month	Old Cons. Allowance	Total Cons.	Old Cons. Remaining	Old Cons. 193 & 194	New Cons. Remaining	New Cons. 193 & 194	New Rate: Remaining	New Rate: 193 & 194	New Cons.: Remaining	New Cons.: 193 & 194	Old Cons.	New Cons.	Total
January	61,134	58,829	58,829	5,423	-	-	\$ 1.67	\$ 0.07	\$ 1.58	\$ 0.07	\$ 98,624	\$ -	\$ 98,624
February	84,437	38,169	38,169	3,810	-	-	\$ 1.67	\$ 0.07			\$ 64,009	\$ -	\$ 64,009
March	76,583	50,255	50,255	2,478	-	-	\$ 1.67	\$ 0.07			\$ 84,099	\$ -	\$ 84,099
April	64,987	60,931	60,931	4,263	-	-	\$ 1.67	\$ 0.07			\$ 102,053	\$ -	\$ 102,053
May	75,759	60,537	54,275	-	6,262	10,322	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ 90,638	\$ 16,379	\$ 107,017
June	105,157	70,182	-	-	70,182	7,882	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ -	\$ 176,007	\$ 176,007
July	135,512	100,242	-	-	100,242	6,007	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ -	\$ 251,025	\$ 251,025
August	208,555	89,905	-	-	89,905	9,225	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ -	\$ 225,408	\$ 225,408
September	65,399	77,095	2,662	-	74,433	18,042	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ 4,445	\$ 187,346	\$ 191,791
October	79,523	63,248	63,248	16,713	-	-	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ 106,794	\$ -	\$ 106,794
November	74,845	56,180	56,180	12,748	-	-	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ 94,713	\$ -	\$ 94,713
December	74,029	56,821	56,821	6,915	-	-	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ 95,375	\$ -	\$ 95,375
TOTAL	1,105,920	782,394	441,369	52,350	341,025	51,478					\$ 740,751	\$ 856,165	\$ 1,596,916

2022 YE Projected							Rates				Water Costs Projected for 2022		
Month	Old Cons. Allowance	Total Cons.	Old Cons. Remaining	Old Cons. 193 & 194	New Cons. Remaining	New Cons. 193 & 194	New Rate: Remaining	New Rate: 193 & 194	New Cons.: Remaining	New Cons.: 193 & 194	Old Cons.	New Cons.	Total
January	61,134	56,496	56,496	3,060	-	-	\$ 1.67	\$ 0.07	\$ 1.58	\$ 0.07	\$ 94,563	\$ -	\$ 94,563
February	84,437	38,903	38,903	10	-	-	\$ 1.67	\$ 0.07	\$ -	\$ -	\$ 64,969	\$ -	\$ 64,969
March	76,583	53,132	53,132	5,899	-	-	\$ 1.67	\$ 0.07	\$ -	\$ -	\$ 89,143	\$ -	\$ 89,143
April	64,987	50,617	50,617	6,601	-	-	\$ 1.67	\$ 0.07	\$ -	\$ -	\$ 84,992	\$ -	\$ 84,992
May	75,759	50,520	45,246	-	5,274	8,235	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ 75,561	\$ 13,761	\$ 89,322
June	105,157	54,631	-	-	54,631	8,989	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ -	\$ 137,207	\$ 137,207
July	135,512	76,422	-	-	76,422	8,290	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ -	\$ 191,635	\$ 191,635
August	208,555	97,896	-	-	97,896	8,374	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ -	\$ 245,326	\$ 245,326
September	65,399	86,261	10,864	-	75,397	8,062	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ 18,142	\$ 189,058	\$ 207,200
October	79,523	64,248	64,248	16,713	-	-	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ 108,464	\$ -	\$ 108,464
November	74,845	64,180	64,180	12,748	-	-	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ 108,073	\$ -	\$ 108,073
December	74,029	56,821	56,821	6,915	-	-	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ 95,375	\$ -	\$ 95,375
TOTAL	1,105,920	750,127	440,507	51,946	309,620	41,950					\$ 739,283	\$ 776,987	\$ 1,516,270

2023 Budget							Rates				Water Costs Projected for 2023		
Month	Old Cons. Allowance	Total Cons.	Old Cons. Remaining	Old Cons. 193 & 194	New Cons. Remaining	New Cons. 193 & 194	New Rate: Remaining	New Rate: 193 & 194	New Cons.: Remaining	New Cons.: 193 & 194	Old Cons.	New Cons.	Total
January	61,134	56,496	56,496	3,060	-	-	\$ 1.67	\$ 0.07	\$ -	\$ -	\$ 94,563	\$ -	\$ 94,563
February	84,437	38,903	38,903	10	-	-	\$ 1.67	\$ 0.07	\$ -	\$ -	\$ 64,969	\$ -	\$ 64,969
March	76,583	53,132	53,132	5,899	-	-	\$ 1.67	\$ 0.07	\$ -	\$ -	\$ 89,143	\$ -	\$ 89,143
April	64,987	50,617	50,617	6,601	-	-	\$ 1.67	\$ 0.07	\$ -	\$ -	\$ 84,992	\$ -	\$ 84,992
May	75,759	50,520	45,246	-	5,274	8,235	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ 75,561	\$ 13,761	\$ 89,322
June	105,157	54,631	-	-	54,631	8,989	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ -	\$ 137,207	\$ 137,207
July	135,512	76,422	-	-	76,422	8,290	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ -	\$ 191,635	\$ 191,635
August	208,555	97,896	-	-	97,896	8,374	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ -	\$ 245,326	\$ 245,326
September	65,399	95,261	10,864	-	84,397	8,062	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ 18,142	\$ 211,558	\$ 229,700
October	79,523	63,248	63,248	16,713	-	-	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ 106,794	\$ -	\$ 106,794
November	74,845	56,180	56,180	12,748	-	-	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ 94,713	\$ -	\$ 94,713
December	74,029	56,821	56,821	6,915	-	-	\$ 1.67	\$ 0.07	\$ 2.50	\$ 0.07	\$ 95,375	\$ -	\$ 95,375
TOTAL	1,105,920	750,127	431,507	51,946	318,620	41,950					\$ 724,253	\$ 799,487	\$ 1,523,740



Employee Costs



2023 Salaries & Wages

2023 Budget

MANAGEMENT						
TITLE	Steps	Step 1	Step 2	Step 3	Step 4	Step 5
District Manager	1	\$ 164,942.74	\$ 173,189.88	\$ 181,849.37	\$ 190,941.84	\$ 200,488.93
Director of Finance	5	\$ 131,077.06	\$ 145,061.51	\$ 152,626.72	\$ 160,618.62	\$ 168,720.44
Director of Operations	5	\$ 131,077.06	\$ 145,034.40	\$ 152,626.72	\$ 160,618.62	\$ 168,720.44
FINANCE						
TITLE	Steps	Step 1	Step 2	Step 3	Step 4	
Utility Office Supervisor rate per hour	4	\$ 100,914.68 \$ 48.5167	\$ 105,960.42 \$ 50.9425	\$ 111,258.44 \$ 53.4896	\$ 116,821.36 \$ 56.1641	
Utility Office Person !!! rate per hour	2	\$ 91,532.59 \$ 44.0061	\$ 96,109.22 \$ 46.2064			
Utility Office Person !! rate per hour	2	\$ 82,815.20 \$ 39.8150	\$ 86,955.96 \$ 41.8058			
Utility Office Person I rate per hour	2	\$ 75,115.83 \$ 36.1134	\$ 78,871.62 \$ 37.9190			
OPERATIONS						
TITLE		Step 1	Step 2	Step 3		
Field Inspector/Project Manager rate per hour	3	\$ 125,062.68 \$ 60.1263	\$ 131,276.79 \$ 63.1138	\$ 137,801.60 \$ 66.2508		
Senior Field Inspector/GIS/Mapping rate per hour	3	\$ 106,196.85 \$ 51.0562	\$ 111,506.69 \$ 53.6090	\$ 117,082.03 \$ 56.2894		
Field Inspector/GIS/Mapping rate per hour	3	\$ 90,350.52 \$ 43.4378	\$ 94,868.05 \$ 45.6096	\$ 101,139.86 \$ 48.6249		
TITLE		YEAR 1	YEAR 2+			
Operations Lead rate per hour	2	\$ 108,981.47 \$ 52.3949	\$ 116,821.36 \$ 56.1641			
Utility Person V / Water Quality rate per hour	2	\$ 106,196.85 \$ 51.0562	\$ 111,506.69 \$ 53.6090			
Utility Person IV rate per hour	2	\$ 94,868.05 \$ 45.6096	\$ 101,139.86 \$ 48.6249			
Utility Person III rate per hour	2	\$ 83,891.28 \$ 40.3323	\$ 88,594.76 \$ 42.5936			
Utility Person II rate per hour	2	\$ 76,049.67 \$ 36.5623	\$ 80,754.87 \$ 38.8245			
Utility Person I rate per hour	2	\$ 68,681.51 \$ 33.0200	\$ 72,914.50 \$ 35.0550			
On-Call Pay - rate per week		\$ 479.5409				

 North City WATER DISTRICT 2023 Budget				Direct Pay																												
Labor and Benefits				Reg Hrs	Vac Hrs	Hol Hrs	Sick Hrs	Other	2023 Total Hours	Alternative to PERS Pay														2023 Total Gross Pay								
				Reg CO Hours	Vac CO Amount	Oncall	Per Deim / Other	Vacation Pay	Holiday Pay	Sick Pay	Reg OT	OTW	Regular Pay																			
Commissioner				360.00	-	-	-	-	360.00	-	\$	-	\$	-	\$	-						\$	10,239.98									
Commissioner				355.50	-	-	-	-	355.50	-	\$	-	\$	-	\$	-						\$	10,111.98									
Commissioner				436.50	-	-	-	-	436.50	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	12,415.98									
District Manager				Prior Year	With COLA	With Step																										
				Salary	\$ 183,935	\$ 200,489	\$ 200,489																									
				Effective Hourly	\$ 88.43	\$ 96.39	\$ 96.39																									
				1,912.00	64.00	72.00	-	24.00	2,072.00	88.00	\$	8,482.22	\$	-	\$	-	\$	6,168.89	\$	9,253.34	\$	-	\$	-	\$	185,066.66	\$	208,971.11				
Director of Finance				Prior Year	With COLA	With Step																										
				Effective Salary	\$ 154,789	\$ 168,720	\$ 168,720																									
				Hourly	\$ 74.42	\$ 81.12	\$ 81.12																									
				1,960.00	8.00	72.00	8.00	24.00	2,072.00	-	\$	-	\$	-	\$	-	\$	648.92	\$	7,787.08	\$	648.92	\$	-	\$	-	\$	159,635.09	\$	14,750.93	\$	183,470.96
Director of Operations				Prior Year	With COLA	With Step																										
				Salary	\$ 147,026	\$ 160,258	\$ 168,271																									
				Effective Hourly	\$ 70.69	\$ 77.05	\$ 80.90																									
				1,936.00	24.00	72.00	8.00	32.00	2,072.00	88.00	\$	6,234.32	\$	-	\$	-	\$	1,849.13	\$	7,715.18	\$	616.38	\$	-	\$	-	\$	146,852.30	\$	163,267.31		
Utility Office Person I				Prior Year	With COLA	With Step																										
				Effective Salary	\$ 68,914	\$ 75,116	\$ 78,872																									
				Hourly	\$ 33.13	\$ 36.11	\$ 37.92																									
				1,976.00	-	72.00	-	24.00	2,072.00	-	\$	-	\$	-	\$	-	\$	-	\$	2,109.02	\$	-	\$	-	\$	-	\$	72,515.58	\$	74,624.60		
Utility Office Person II				Prior Year	With COLA	With Step																										
				Effective Salary	\$ 77,877	\$ 84,886	\$ 87,008																									
				Hourly	\$ 37.44	\$ 40.81	\$ 41.83																									
				1,761.50	125.50	72.00	81.00	32.00	2,075.25	-	\$	-	\$	-	\$	-	\$	5,112.43	\$	4,109.49	\$	3,278.68	\$	198.95	\$	-	\$	70,036.67	\$	82,736.23		
Utility Office Supervisor				Prior Year	With COLA	With Step																										
				Effective Salary	\$ 102,072	\$ 111,259	\$ 116,821																									
				Hourly	\$ 49.07	\$ 53.49	\$ 56.16																									
				1,762.00	171.00	72.00	43.00	24.00	2,119.00	-	\$	-	\$	-	\$	-	\$	9,237.67	\$	5,263.38	\$	2,337.50	\$	3,820.17	\$	-	\$	96,324.21	\$	116,982.93		
Utility Office Person 1				Prior Year	With COLA	With Step																										
				Effective Salary	\$ 68,914	\$ 75,116	\$ 78,872																									
				Hourly	\$ 33.13	\$ 36.11	\$ 37.92																									
				968.00	8.00	48.00	-	16.00	1,040.00	-	\$	-	\$	-	\$	-	\$	-	\$	1,733.44	\$	-	\$	-	\$	-	\$	34,651.65	\$	36,385.09		
Inspector/				Prior Year	With COLA	With Step																										
				Salary	\$ 97,428	\$ 106,197	\$ 111,507																									
				Effective Hourly	\$ 46.84	\$ 51.06	\$ 53.61																									
				1,795.50	107.00	72.00	57.50	32.00	2,124.50	48.00	\$	2,573.23	\$	4,350.54	\$	305.22	\$	5,646.81	\$	5,473.22	\$	3,037.84	\$	3,132.29	\$	1,920.17	\$	93,856.51	\$	120,295.82		
Operations Lead				Prior Year	With COLA	With Step																										
				Effective Salary	\$ 107,176	\$ 116,821	\$ 116,821																									
				Hourly	\$ 51.53	\$ 56.16	\$ 56.16																									
				1,769.00	59.00	72.00	116.00	56.00	2,101.00	48.00	\$	2,695.88	\$	1,826.84	\$	-	\$	3,313.69	\$	7,189.01	\$	6,515.04	\$	2,106.16	\$	405.49	\$	99,354.40	\$	123,406.52		
Utility Person I				With COLA	With Step																											
				Effective Salary	\$ 63,010	\$ 68,681	\$ 72,115																									
				Hourly	\$ 30.29	\$ 33.02	\$ 34.67																									
				1,916.00	42.50	72.00	17.50	24.00	2,105.00	-	\$	-	\$	1,370.13	\$	-	\$	1,473.51	\$	3,301.99	\$	606.74	\$	1,696.40	\$	-	\$	65,201.12	\$	73,649.90		
Utility Person II				Prior Year	With COLA	With Step																										
				Effective Salary	\$ 74,087	\$ 80,755	\$ 80,755																									
				Hourly	\$ 35.62	\$ 38.8244	\$ 38.8244																									
				1,912.00	43.00	72.00	21.00	24.00	2,116.00	-	\$	-	\$	4,567.10	\$	-	\$	1,669.45	\$	3,727.14	\$	815.31	\$	1,485.03	\$	1,394.22	\$	74,232.28	\$	87,890.54		
Utility Person II				Prior Year	With COLA	With Step																										
				Effective Salary	\$ 74,087	\$ 80,755	\$ 80,755																									
				Hourly	\$ 35.62	\$ 38.82	\$ 38.82																									
				1,778.50	113.00	72.00	68.50	24.00	2,092.50	-	\$	-	\$	3,196.97	\$	-	\$	4,387.15	\$	3,727.14	\$	2,659.47	\$	1,310.32	\$	1,055.08	\$	69,049.06	\$	85,385.19		
Utility Person V / Water Quality Person				Prior Year	With COLA	With Step																										
				Effective Salary	\$ 97,428	\$ 106,197	\$ 111,507																									
				Hourly	\$ 46.84	\$ 51.06	\$ 53.61																									
				1,811.50	83.50	72.00	74.50	24.00	2,099.50	48.00	\$	2,573.23	\$	3,983.64	\$	-	\$	4,278.50	\$	5,023.92	\$	3,867.50	\$	1,912.69	\$	913.23	\$	94,512.58	\$	117,065.29		
Utility Person IV				With COLA	With Step																											
				Effective Salary	\$ 92,789	\$ 101,140	\$ 101,140																									
				Hourly	\$ 44.61	\$ 48.62	\$ 48.62																									
				1,731.65	166.50	75.00	38.00	64.00	2,107.65	-	\$	-	\$	3,655.39	\$	-	\$	8,096.04	\$	6,758.86	\$	1,847.75	\$	1,422.28	\$	1,170.83	\$	84,201.28	\$	107,152.43		
Net Payroll Costs for 2023				26,142	1,015	987	533	424	29,420	320	\$	22,559	\$	22,951	\$	305	\$	51,882	\$	73,172	\$	26,231	\$	17,084	\$	6,859	\$	1,378,257	\$	14,751	\$	1,614,052

North City WATER DISTRICT 2023 Budget				Employer Paid Taxes and Benefits											Combined
				\$ 500	\$ 70.00	\$ 1,700 J-J									
Labor and Benefits				Clothing	Phone	VEBA	ER PERS 2 Amt	ER PERS 3 Amt	Medicare	Soc Sec	L&I	PMFT	SUI Unemploy	2023 Total Benefits	2023 LABOR AND BENEFITS
Commissioner				\$ -	\$ -	\$ 20,400	\$ -	\$ -	\$ 148.48	\$ 634.88	\$ 45.77			\$ 21,229.13	\$ 31,469.12
Commissioner				\$ -	\$ -	\$ 20,400	\$ -	\$ -	\$ 146.62	\$ 626.94	\$ 45.20			\$ 21,218.77	\$ 31,330.75
Commissioner				\$ -	\$ -	\$ 20,400	\$ -	\$ -	\$ 180.03	\$ 769.79	\$ 55.50			\$ 21,405.32	\$ 33,821.30
District Manager		Prior Year	With COLA												
	Salary	\$ 183,935	\$ 200,489												
	Effective Hourly	\$ 88.43	\$ 96.39												
				\$ 500	\$ -	\$ 20,400	\$ -	\$ 20,831	\$ 3,030.08	\$ 9,323	\$ 243	\$ 918	\$ 1,049	\$ 56,294.14	\$ 265,265.25
Director of Finance		Prior Year	With COLA												
	Effective Salary	\$ 154,789	\$ 168,720												
	Hourly	\$ 74.42	\$ 81.12												
				\$ 500	\$ 840	\$ 20,400	\$ -	\$ -	\$ 2,660.33	\$ 9,259	\$ 249	\$ 809	\$ 905	\$ 35,621.87	\$ 219,092.84
Director of Operations		Prior Year	With COLA												
	Salary	\$ 147,026	\$ 160,258												
	Effective Hourly	\$ 70.69	\$ 77.05												
				\$ 500	\$ -	\$ 20,400	\$ 16,316	\$ -	\$ 2,352.33	\$ 10,058	\$ 483	\$ 720	\$ 827	\$ 51,655.51	\$ 214,922.82
Utility Office Person I		Prior Year	With COLA												
	Effective Salary	\$ 68,914	\$ 75,116												
	Hourly	\$ 33.13	\$ 36.11												
				\$ 500	\$ 840	\$ 20,400	\$ 7,753	\$ -	\$ 1,096.41	\$ 4,653	\$ 251	\$ 333	\$ 548	\$ 36,375.08	\$ 110,999.68
Utility Office Person II		Prior Year	With COLA												
	Effective Salary	\$ 77,877	\$ 84,886												
	Hourly	\$ 37.44	\$ 40.81												
				\$ 500	\$ 840	\$ 20,400	\$ 8,596	\$ -	\$ 1,199.68	\$ 5,130	\$ 224	\$ 366	\$ 613	\$ 37,869.55	\$ 120,605.79
Utility Office Supervisor		Prior Year	With COLA												
	Effective Salary	\$ 102,072	\$ 111,259												
	Hourly	\$ 49.07	\$ 53.49												
				\$ 500	\$ 840	\$ 20,400	\$ -	\$ 12,155	\$ 1,696.25	\$ 7,253	\$ 230	\$ 517	\$ 867	\$ 44,456.88	\$ 161,439.81
Utility Office Person 1		Prior Year	With COLA												
	Effective Salary	\$ 68,914	\$ 75,116												
	Hourly	\$ 33.13	\$ 36.11												
				\$ -	\$ 420	\$ 10,200	\$ -	\$ 3,780	\$ 527.58	\$ 2,326	\$ 123	\$ 161	\$ 269	\$ 17,806.76	\$ 54,191.85
Inspector/		Prior Year	With COLA												
	Salary	\$ 97,428	\$ 106,197												
	Effective Hourly	\$ 46.84	\$ 51.06												
				\$ 500	\$ 960	\$ 20,400	\$ 12,231	\$ -	\$ 1,744.29	\$ 7,458	\$ 1,183	\$ 531	\$ 892	\$ 45,900.04	\$ 166,195.86
Operations Lead		Prior Year	With COLA												
	Effective Salary	\$ 107,176	\$ 116,821												
	Hourly	\$ 51.53	\$ 56.16												
				\$ 500	\$ 840	\$ 20,400	\$ 12,542	\$ -	\$ 1,784.21	\$ 7,629	\$ 1,146	\$ 545	\$ 914	\$ 46,300.12	\$ 169,706.64
Utility Person I		With COLA	With Step												
	Effective Salary	\$ 63,010	\$ 68,681												
	Hourly	\$ 30.29	\$ 33.02												
				\$ 500	\$ 840	\$ 20,400	\$ 7,652	\$ -	\$ 1,066.00	\$ 4,571	\$ 859	\$ 327	\$ 545	\$ 36,760.16	\$ 110,410.06
Utility Person II		Prior Year	With COLA												
	Effective Salary	\$ 74,087	\$ 80,755												
	Hourly	\$ 35.62	\$ 38.8244												
				\$ 500	\$ 840	\$ 20,400	\$ 9,132	\$ -	\$ 1,267.10	\$ 5,418	\$ 1,247	\$ 389	\$ 651	\$ 39,843.78	\$ 127,734.32
Utility Person II		Prior Year	With COLA												
	Effective Salary	\$ 74,087	\$ 80,755												
	Hourly	\$ 35.62	\$ 38.82												
				\$ 500	\$ 840	\$ 20,400	\$ 8,872	\$ -	\$ 1,238.09	\$ 5,294	\$ 1,157	\$ 378	\$ 633	\$ 39,310.94	\$ 124,696.13
Utility Person V / Water Quality Person		Prior Year	With COLA												
	Effective Salary	\$ 97,428	\$ 106,197												
	Hourly	\$ 46.84	\$ 51.06												
				\$ 500	\$ 840	\$ 20,400	\$ -	\$ 11,896	\$ 1,692.47	\$ 7,237	\$ 1,176	\$ 517	\$ 867	\$ 45,125.49	\$ 162,190.79
Utility Person IV		With COLA	With Step												
	Effective Salary	\$ 92,789	\$ 101,140												
	Hourly	\$ 44.61	\$ 48.62												
				\$ 500	\$ 840	\$ 20,400	\$ 11,133	\$ -	\$ 1,506.21	\$ 6,440	\$ 1,125	\$ 473	\$ 794	\$ 43,211.45	\$ 150,363.88
Net Payroll Costs for 2023				\$ 6,500	\$ 9,780	\$ 336,600	\$ 94,227	\$ 48,661	\$ 23,336	\$ 94,080	\$ 9,843	\$ 6,982	\$ 10,375	\$ 640,385	\$ 2,254,437



Capital Costs

	Capital Plan Summary						
	2022-2032 - Forecast						
	2022	2023	2024	2025	2026	2027	2022-2027
SOURCES:							
Capital Account Beginning Balance	\$ 5,771,840	\$ 8,645,898	\$ 4,907,340	\$ 4,344,241	\$ 6,641,150	\$ 6,021,972	\$ 5,771,840
Transfers from the Maintenance Fund	1,300,000	1,300,000	1,500,000	1,500,000	1,500,000	1,600,000	8,700,000
Interest Earnings	70,000	104,856	59,515	52,686	80,543	73,034	440,634
Bond Proceeds	-	-	-	-	-	-	-
Connection Fees	1,505,032	121,220	121,220	2,620,595	233,342	66,671	4,668,080
Sale of Old Maintenance Property	2,106,885	-	-	-	-	-	2,106,885
TOTAL SOURCES	10,753,757	10,171,974	6,588,076	8,517,522	8,455,035	7,761,677	21,687,439
USES:							
1 Maintenance Building	575,372	-	-	-	-	-	575,372
2 2.0 MG Reservoir Improvements	356,891	-	-	-	-	15,558	372,449
3 Repl 8" wm @ 25th Ave West of Ballinger	338,261	-	-	-	-	-	338,261
4 Upgrade services at 18807 30th Ave NE	97,507	-	-	-	-	-	97,507
5 Repl pax mixer in 3.7 MG reservoir	-	-	-	-	25,099	-	25,099
6 Repl water main on Beach Drive	40,575	219,805	735,363	-	-	-	995,742
7 131a-Install a new 12" wm on NE 200th St	196,363	-	-	-	-	-	196,363
8 114 -Bothell Way Crossing	60,408	61,467	729,628	-	-	-	851,503
9 Emergency Response Plan	6,377	6,000	-	-	-	-	12,377
10 WM on 18th Ave & 168th Ave NE (1f)	36,737	672,031	-	-	-	-	708,769
11 5th Ave NE, NE 155th & 168th St WM	25,000	2,458,414	-	-	-	-	2,483,414
12 3rd Ave NE (Non-Motorized walkway) projec	11,426	989,447	-	-	-	-	1,000,874
13 Alarms & Cameras at four buildings	1,019	456,905	-	-	-	-	457,924
14 GIS Project	12,869	5,174	72,358	116,577	115,750	88,221	410,950
15 Communications	-	50,000	-	-	-	-	50,000
16 ShakeAlert projects	-	-	38,202	-	-	-	38,202
17 Shunt trip breakers for BS 1 and 2	-	-	87,174	-	-	-	87,174
18 Telemetry	-	15,000	109,272	-	-	-	124,272
19 Admin Building - Long-Term Maint	-	-	54,895	11,971	-	-	66,866
20 Repl 2" w/ 4" wm on 182nd 25th Ave NE	-	-	57,960	133,796	-	-	191,756
21 System-wide - R&R PRV Stations	-	-	-	90,281	93,831	63,155	247,267
22 Vactor Truck	-	-	-	551,200	-	-	551,200
23 101-Install new 8" main to connect 590 Zone	-	-	-	156,783	457,752	-	614,535
24 102-Connect northern end of 25th Ave	-	-	-	29,007	45,360	-	74,367
25 103-Remove PRV-5	-	-	-	17,959	-	-	17,959
26 129-Upize main at 19th & Ballinger Way	-	-	-	101,689	260,771	-	362,460
27 139-Replace 6" on NE 155th St & 27th Ave N	-	-	-	290,327	797,306	-	1,087,633
28 Asset Management	-	-	-	107,216	107,994	46,899	262,109
29 119a-New BS2	-	-	-	-	128,040	1,262,155	1,390,194
30 104-Install 8" water mains for looping	-	-	-	-	-	-	-
31 105a-Install new 8" main - 32rd/NE 158	-	-	-	-	-	-	-
32 105b-Install new 8" main - 33rd/NE 158	-	-	-	-	-	-	-
33 106-Relocate PRV-2	-	-	-	-	-	-	-
34 Additional land	-	-	-	-	-	-	-
35 117-Install 8" main at NE 158th Street	-	-	-	-	-	-	-
36 118-Install new suction line from Tolt	-	-	-	-	-	-	-
37 119-Install new BS, piping & 1.5 MG res	-	-	-	-	-	-	-
38 3.7 MG Reservoir Improvements	-	-	-	-	-	-	-
39 107-install new 12" main thrU Hamlin	-	-	-	-	-	-	-
40 108-Install new n/s 520 pressure zone	-	-	-	-	-	-	-
41 100-Install indiv PRVs in new 520 zone	-	-	-	-	-	-	-
42 Meter Replacement	166,021	96,619	34,298	35,670	37,034	38,451	408,093
43 Service Replacement	88,582	106,087	112,183	116,670	121,190	125,885	670,597
44 Hydrant Replacement	26,672	27,983	29,588	30,772	31,962	33,198	180,175
45 Valve Replacement	89	28,292	29,922	31,119	32,327	33,582	155,331
46 Technology Additions & Replacement	5,366	26,560	14,250	23,250	14,025	22,775	106,226
47 Tools & Equipment	62,323	19,717	20,900	21,736	22,606	23,510	170,792
48 Engineering and Modeling Reports	-	25,131	117,844	10,351	142,018	-	295,344
49 Water System Plan	-	-	-	-	-	273,243	273,243
50 Additional Projects not shown above	-	-	-	-	-	-	-
TOTAL USES	2,107,859	5,264,634	2,243,835	1,876,372	2,433,063	2,026,632	15,952,395
ENDING BALANCE	\$8,645,898	\$4,907,340	\$4,344,241	\$6,641,150	\$6,021,972	\$5,735,044	\$5,735,044

	Capital Plan Summary						
	2022-2032 - Forecast						
	2028	2029	2030	2031	2032	2028-2032	2022-2032
SOURCES:							
Capital Account Beginning Balance	\$ 5,735,044	\$ 4,739,022	\$ 4,772,325	\$ 22,771,562	\$ 15,038,783	\$ 5,735,044	\$ 5,771,840
Transfers from the Maintenance Fund	1,500,000	1,500,000	1,500,000	1,400,000	1,400,000	7,300,000	16,000,000
Interest Earnings	69,554	57,474	57,878	276,170	276,170	737,246	1,177,880
Bond Proceeds	-	-	20,000,000	-	-	20,000,000	20,000,000
Connection Fees	73,338	946,146	73,338	73,338	1,001,529	2,167,689	6,835,769
Sale of Old Maintenance Property	-	-	-	-	-	-	2,106,885
TOTAL SOURCES	7,377,936	7,242,643	26,403,541	24,521,070	17,716,481	35,939,980	51,892,375
USES:							
1 Maintenance Building	-	-	-	-	-	-	575,372
2 2.0 MG Reservoir Improvements	-	-	-	-	18,616	18,616	391,066
3 Repl 8" wm @ 25th Ave West of Ballinger	-	-	-	-	-	-	338,261
4 Upgrade services at 18807 30th Ave NE	-	-	-	-	-	-	97,507
5 Repl pax mixer in 3.7 MG reservoir	-	-	-	30,293	-	30,293	55,392
6 Repl water main on Beach Drive	-	-	-	-	-	-	995,742
7 131a-Install a new 12" wm on NE 200th St	-	-	-	-	-	-	196,363
8 114 -Bothell Way Crossing	-	-	-	-	-	-	851,503
9 Emergency Response Plan	-	-	-	-	-	-	12,377
10 WM on 18th Ave & 168th Ave NE (1f)	-	-	-	-	-	-	708,769
11 5th Ave NE, NE 155th & 168th St WM	-	-	-	-	-	-	2,483,414
12 3rd Ave NE (Non-Motorized walkway) projec	-	-	-	-	-	-	1,000,874
13 Alarms & Cameras at four buildings	-	-	-	-	-	-	457,924
14 GIS Project	2,737	-	2,682	-	-	5,419	416,369
15 Communications	-	-	-	-	-	-	50,000
16 ShakeAlert projects	-	-	-	-	-	-	38,202
17 Shunt trip breakers for BS 1 and 2	-	-	-	-	-	-	87,174
18 Telemetry	-	-	-	-	-	-	124,272
19 Admin Building - Long-Term Maint	-	66,744	-	-	-	66,744	133,609
20 Repl 2" w/ 4" wm on 182nd 25th Ave NE	-	-	-	-	-	-	191,756
21 System-wide - R&R PRV Stations	-	-	-	-	-	-	247,267
22 Vactor Truck	-	-	-	697,444	-	697,444	1,248,644
23 101-Install new 8" main to connect 590 Zone	-	-	-	-	-	-	614,535
24 102-Connect northern end of 25th Ave	-	-	-	-	-	-	74,367
25 103-Remove PRV-5	-	-	-	-	-	-	17,959
26 129-Upize main at 19th & Ballinger Way	-	-	-	-	-	-	362,460
27 139-Replace 6" on NE 155th St & 27th Ave N	-	-	-	-	-	-	1,087,633
28 Asset Management	-	-	-	-	-	-	262,109
29 119a-New BS2	2,076,429	1,496,881	-	-	-	3,573,310	4,963,505
30 104-Install 8" water mains for looping	-	86,250	227,016	-	-	313,266	313,266
31 105a-Install new 8" main - 32rd/NE 158	-	41,009	93,381	-	-	134,389	134,389
32 105b-Install new 8" main - 33rd/NE 158	-	38,634	83,515	-	-	122,149	122,149
33 106-Relocate PRV-2	-	106,328	296,940	-	-	403,268	403,268
34 Additional land	-	-	710,856	-	-	710,856	710,856
35 117-Install 8" main at NE 158th Street	-	-	214,730	813,869	-	1,028,598	1,028,598
36 118-Install new suction line from Tolt	-	-	814,548	2,213,584	-	3,028,132	3,028,132
37 119-Install new BS, piping & 1.5 MG res	-	200,000	411,727	3,103,776	4,668,044	8,383,546	8,383,546
38 3.7 MG Reservoir Improvements	-	-	224,969	1,548,274	-	1,773,243	1,773,243
39 107-install new 12" main thrU Hamlin	-	-	-	351,685	1,019,549	1,371,234	1,371,234
40 108-Install new n/s 520 pressure zone	-	-	-	-	884,024	884,024	884,024
41 100-Install indiv PRVs in new 520 zone	-	-	-	-	14,507	14,507	14,507
42 Meter Replacement	39,922	41,449	43,035	44,682	46,392	215,480	623,573
43 Service Replacement	130,762	135,830	141,094	146,563	152,244	706,492	1,377,089
44 Hydrant Replacement	34,483	35,817	37,204	38,644	40,140	186,287	366,462
45 Valve Replacement	34,886	36,240	37,648	39,110	40,629	188,512	343,843
46 Technology Additions & Replacement	4,975	15,230	26,900	20,050	20,975	88,130	194,356
47 Tools & Equipment	24,450	25,428	26,445	27,503	28,603	132,430	303,223
48 Engineering and Modeling Reports	30,427	144,478	10,256	168,673	-	353,834	649,178
49 Water System Plan	259,843	-	-	-	-	259,843	533,087
50 Additional Projects not shown above	-	-	229,033	238,139	247,608	714,780	714,780
TOTAL USES	2,638,914	2,470,318	3,631,979	9,482,288	7,181,331	25,404,829	41,357,224
ENDING BALANCE	\$4,739,022	\$4,772,325	\$22,771,562	\$15,038,783	\$10,535,150	\$10,535,150	\$10,535,150

	Capital Plan - Project
	2023-2043 - Budget / Forecast
	Maintenance Building

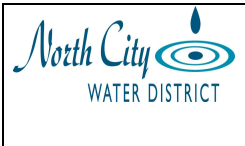
Status:	Ongoing	Locations:	15555 15th Ave NE
Funding Source:	Rates 2016 Bond Proceeds Sale of existing maintenance building	Permits:	Special Use Permit, Building, Electrical, Plumbing, Fire, Sewer & ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	\$ 938,739
Site Work	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 2,656,693
Retainage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 115,550
Building Costs	574,131	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 6,660,518
Retainage													-	-	\$ -
Furnishings													-	-	\$ 104,446
Permit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 85,000
Crew time - design/const & mov	1,241	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 96,474
Project management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 219,236
Management review	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 17,889
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 151,819
Capitalized Interest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 1,054,896
Total Costs	\$ 575,372	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,101,259

Project description: Purchase land, design and construct a new maintenance facility. Project assumes to include: Special Use Permt for both reusing existing building and construct new buildings, \$1,160,000 for design costs, three design contracts - a site work contract for \$2,5500,000, a second contract for admin and shops building and decant building plus generator in 2019, the expanded shops are assumed to be constructed in 2019/2020 for \$6,100,000. A second construction contract for \$560,000 occurred in 2021/2022 to construct of a vehicle bay that was not included in the original construction contract due to funding.

Rationale: North City Water District has purchased property for a new facility. The costs for operating the existing maintenance building have increased and is becoming unsafe for the crews to be located at. When the District first contracted with Driftmeier Architects, the Architects identified that "*the existing Operations facility is completely inadequate for the District's needs and should be replaced*". The District attempted to share in the cost of co-locating with the City of Shoreline's purchase of Brugger's Bog property but was unsuccessful. The District worked with an Architect to do the project in phases: Master Plan for the site, Design and Construction. The District had a second year of construction to complete some additional work on the site.

GL Code: 1-00-189876
Other project names: CIP 2012-09



Capital Plan - Project

2023-2043 - Budget / Forecast

2.0 MG Reservoir Misc Capital Improvements

Status: Projected

Locations: 2.0 MG resevoir site

Funding Source: Rates

Permits: None

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,000
Construction	326,848	-	-	-	-	4,769	-	-	-	-	5,803	-	4,769	5,803	353,070
Inspection	-	-	-	-	-	1,578	-	-	-	-	1,874	-	1,578	1,874	9,544
Crew time	5,043	-	-	-	-	7,889	-	-	-	-	9,369	-	7,889	9,369	50,457
Project management	-	-	-	-	-	1,322	-	-	-	-	1,570	-	1,322	1,570	9,425
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Total Costs	\$ 356,891	\$ -	\$ -	\$ -	\$ -	\$ 15,558	\$ -	\$ -	\$ -	\$ -	\$ 18,616	\$ -	\$ 15,558	\$ 18,616	\$ 477,496

Project description: The 2.0 MG Reservoir had leak repairs and an epoxy coating added in 2022. Need to inspect/clean reservoir every 5 years

Rationale: Repair and replacement of infrastructure and equipment assures the District will continue to provide a consistent level of of high-level service to its customers.

GL Code: 1-00-189880

Other project names: CIP 2021-01



Capital Plan - Project

2023-2043 - Budget / Forecast

Replace 8" water main on NE 25th Street

Status: Projected

Locations: 25 Ave NE from Forest Park Drive NE to Ballinger Way

Funding Source: Rates

Permits: ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,000
Construction	319,245	-	-	-	-	-	-	-	-	-	-	-	-	-	319,244.89
Inspection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	455.11
Crew time	7,016	-	-	-	-	-	-	-	-	-	-	-	-	-	7,015.81
Project management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94.34
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00
Total Costs	\$ 338,261	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 348,810

Project description: Replace 300 feet of 8" water mains on 25th Ave NE between Forest Park Drive NE and Ballinger Way.

Rationale: Water main had previously been broken and had a temporary repair. This project replaced the water main which is now good for an additional 50+ years.

GL Code: 1-00-189881

Other project names: CIP 2021-02



Capital Plan - Project

2023-2043 - Budget / Forecast

Upgrade water services @ 18815 Ballinger Way

Status: Projected

Locations: 18815, 18901, 18807, 18737, 18731, 18578 Ballinger Way NE

Funding Source: Rates

Permits: ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45,000
Construction	97,430	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 97,430
Inspection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 7,310
Crew time	77	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 2,922
Project management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 1,321
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -
Total Costs	\$ 97,507	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 153,982

Project description: Upgrade water services for 6 residences off Ballinger Way with long side services. Project options will consider either installing a bank of meters and providing long side services to residences or replacing the existing 2" with a 4" water main.

Rationale: The 2" 1949 cast iron water main has had multiple breaks over the past several years and should be repaired.

GL Code: 1-00-189882

Other project names: CIP 2021-03



Capital Plan - Project
2023-2043 - Budget / Forecast
Replace Pax Mixer in 3.7 MG Reservoir

Status: **Locations:** 18012 15th Ave NE

Funding Source: **Permits:** ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Construction	\$ -	\$ -	\$ -	\$ -	\$ 16,710	\$ -	\$ -	\$ -	\$ -	\$ 20,330	\$ -	\$ -	\$ 16,710	\$ 20,330	\$ 51,616
Inspection					1,524					1,811			1,524	1,811	4,473
Crew time	\$ -				6,098					7,242			6,098	7,242	17,891
Project management					766					910			766	910	2,243
Legal & other					-					-			-	-	0
Total Costs	\$ -	\$ -	\$ -	\$ -	\$ 25,099	\$ -	\$ -	\$ -	\$ -	\$ 30,293	\$ -	\$ -	\$ 25,099	\$ 30,293	\$ 76,222

Project description: Replace Pax Mixer in 3.7 MG Reservoir every 5 years

Rationale: Pax Mixer helps maintain higher water quality coming out of the 3.7 MG Reservoir

GL Code: 1-00-189885
Other project names: CIP 2021-06



Capital Plan - Project

2023-2043 - Budget / Forecast

Replace 100 ft of 12" water main at 16598 Beach Drive (McAleer Creek Crossing)

Status: Projected

Locations: 16598 & 16733 Beach Drive

Funding Source: Rates

Permits: ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design/Permitting	\$ 40,000	\$ 168,000	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 180,000	\$ -	\$ 180,000
Construction	-	50,000	713,200	-	-	-	-	-	-	-	-	-	763,200	-	763,200
Inspection	-	674	4,957	-	-	-	-	-	-	-	-	-	5,631	-	5,631
Crew time	575	-	2,832	-	-	-	-	-	-	-	-	-	2,832	-	2,832
Project management	-	1,130	2,374	-	-	-	-	-	-	-	-	-	3,504	-	3,504
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Costs	\$ 40,575	\$ 219,805	\$ 735,363	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 955,167	\$ -	\$ 955,167

Project description: Replace 100 feet of 8" water mains on Beach Drive NE between 16598 & 16733. This water main goes under McAleer Creek and the City of Lake Forest Park prefers a boring project under the creek

Rationale: The project will connect the water mains under McAleer Creek and improve fire flow in the area.

GL Code: 1-00-189883

Other project names: CIP 2021-04



Capital Plan - Project

2023-2043 - Budget / Forecast

CIP 131a -Install a 12" main on NE 200th Street between 24th and 25th Ave NE

Status: Projected

Location: 25th Ave & NE 200th St

Funding Source: Rates

Permits: ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ 28,910	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 97,982
Construction	158,180	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 158,180
Inspection	9,273	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 9,899
Crew time	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -
Project management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 283
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 21,348
Total Costs	\$ 196,363	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 287,692

Project description: Adding a 12" transmission main at 25th Ave NE & NE 200th.

Rationale: To meet fire flow velocity criteria

GL Code: 1-00-189884

Other project names: CIP 2021-05



Capital Plan - Project

2023-2043 - Budget / Forecast

CIP 114 - Bothell Way Crossing

Status: Projected

Location: SR 522/Bothell Way NE & NE 170th Street

Funding Source: Rates

Permits: ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ 60,000	\$ 60,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110,000	\$ -	\$ 110,000
Construction	-	-	667,800	-	-	-	-	-	-	-	-	-	667,800	-	667,800
Inspection	-	337	4,249	-	-	-	-	-	-	-	-	-	4,586	-	4,586
Crew time	-	-	2,832	-	-	-	-	-	-	-	-	-	2,832	-	2,832
Project management	408	1,130	4,747	-	-	-	-	-	-	-	-	-	5,877	-	6,285
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Total Costs	\$ 60,408	\$ 61,467	\$ 729,628	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 791,095	\$ -	\$ 791,503

Project description: Jack & bore 8" pipe under Bothell Way to loop dead-end piping. Install approximately 150 feet of 8" main from bore to existing main in Sheridan Beach. Replace approximately 100 feet of 8" main and install a new fire hydrant along Brookside Blvd north of the fire station.

Rationale: Required for fire flow and water quality.

GL Code: 1-00-189886

Other project names: CIP 2022-01



Capital Plan - Project
2023-2043 - Budget / Forecast
CIP nn - Emergency Response Plan

Status: Projected

Location:

Funding Source: Rates

Permits: ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ 6,377	\$ 6,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,000	\$ -	\$ 6,000
Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Inspection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Crew time	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Project management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Total Costs	\$ 6,377	\$ 6,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,000	\$ -	\$ 6,000

Project description: Update the District's Emergency Response Plan. Complete annual table top exercises to make improvements as needed.

Rationale: The District wants to prepare all employees and elected officials to know what has to be done in the event of an emergency. Regular review and practice will help everyone know their role.

GL Code: 1-00-189887

Other project names: CIP 2021-08



Capital Plan - Project

2023-2043 - Budget / Forecast

Install water main on 18th Ave NE and NE 168th St (Project 1f)

Status: Projected

Locations: 18th Ave NE between NE 168th and 169th Street, and NE 168th Street between existing system and 18th Ave NE

Funding Source: Rates

Permits: ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design/Permitting	\$ 36,000	\$ 60,061	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,061	\$ -	\$ 96,061
Construction	-	600,939	-	-	-	-	-	-	-	-	-	-	600,939	-	600,939
Inspection	737	5,395	-	-	-	-	-	-	-	-	-	-	5,395	-	6,132
Crew time	-	2,698	-	-	-	-	-	-	-	-	-	-	2,698	-	2,698
Project management	-	2,939	-	-	-	-	-	-	-	-	-	-	2,939	-	2,939
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Costs	\$ 36,737	\$ 672,031	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 672,031	\$ -	\$ 708,769

Project description: Install approximately 900 ft of 8" water main on 18th Ave NE between NE 165 and 168th Street and on NE 168th Street between 18 and 22 Ave NE for redundancy and to improve fire flow availability.

Rationale: This project was first identified in the District 2011 Water System Plan. The project has been expanded to improve water quality by extending the water main along NE 168th St. This will improve water quality throughout the entire water service area.

GL Code: 1-00-189888

Other project names: CIP 2022-02



Capital Plan - Project

2023-2043 - Budget / Forecast

5th Ave NE, NE 155th and 168th Street

Status: Projected

Locations: on 5th Ave NE between NE 145th & 155th Street, along NE 155th between 8th and 15th Ave NE and along NE 168th Street between 23rd and 25th Ave NE

Funding Source: Rates

Permits: ROW

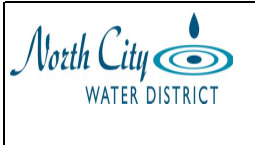
Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design/Permitting	\$ 25,000	\$ 155,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 155,000	\$ -	\$ 155,000
Construction	-	2,261,798	-	-	-	-	-	-	-	-	-	-	2,261,798	-	2,261,798
Inspection	-	26,976	-	-	-	-	-	-	-	-	-	-	26,976	-	26,976
Crew time	-	9,441	-	-	-	-	-	-	-	-	-	-	9,441	-	9,441
Project management	-	5,199	-	-	-	-	-	-	-	-	-	-	5,199	-	5,199
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Total Costs	\$ 25,000	\$ 2,458,414	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,458,414	\$ -	\$ 2,458,414

Project description: Replace 2700 ft of 6" watermain along 5th Ave NE with 12" mains, 2100 ft of 6" on NE 155th and 300 ft of 6" NE 168th St with 8" mains.

Rationale: The District anticipates seven different multi-family developments around the Shoreline South Transit station which will require significant additional fire flow in this area. The City of Shoreline also expects to declare a moratorium on cutting into the right of way on NE 145th to 148th Streets. Upsizing the District's water mains in this area now instead of during the moratorium will significantly reduce the cost to connect to the District's water system. The District looked at the hydraulic impacts of these seven developments in this area and have identified three areas that will require upsizing.

GL Code: 1-00-189889

Other project names: CIP 2022-03



Capital Plan - Project

2023-2043 - Budget / Forecast

Install a water main on 3rd Ave NE north of Shoreline South Transit Station

Status: Projected

Locations: North of Shoreline South Light Rail Station

Funding Source: Rates

Permits: ROW

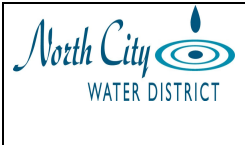
Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2022-2027	2028-2033	Project Total
Design/Permitting	\$ 10,000	\$ 95,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 95,000	\$ -	\$ 95,000
Construction	-	879,588	-	-	-	-	-	-	-	-	-	-	879,588	-	879,588
Inspection	-	8,093	-	-	-	-	-	-	-	-	-	-	8,093	-	8,093
Crew time	-	2,698	-	-	-	-	-	-	-	-	-	-	2,698	-	2,698
Project management	1,426	4,069	-	-	-	-	-	-	-	-	-	-	4,069	-	5,495
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Total Costs	\$ 11,426	\$ 989,447	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 989,447	\$ -	\$ 990,874

Project description: Install 400ft of 12" water main along edge of walkway from NE 149th to 151st Street. Replace 315ft of 8" water main with 12" water main

Rationale: Installing a watermain to connect several dead end streets will improve both the water quality and fire flow on those streets.

GL Code: 1-00-189890

Other project names: CIP 2022-04



Capital Plan - Project

2023-2043 - Budget / Forecast

New Cameras/Alarms at Administration Offices, Maintenance Facility and 3.7 MG Reservoir Site

Status: Projected

Locations: 1519 NE 177th St, 15555 15th Ave NE, 18012 15th Ave NE

Funding Source: Rates

Permits: None

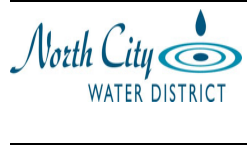
Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ 439,794	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 439,794	\$ -	\$ 439,794
Inspection	-	1,349	-	-	-	-	-	-	-	-	-	-	1,349	-	1,349
Crew time	-	2,698	-	-	-	-	-	-	-	-	-	-	2,698	-	2,698
Project management	1,019	6,781	-	-	-	-	-	-	-	-	-	-	6,781	-	7,800
Legal & other	-	6,283	-	-	-	-	-	-	-	-	-	-	6,283	-	6,283
Total Costs	\$ 1,019	\$ 456,905	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 456,905	\$ -	\$ 457,924

Project description: New cameras and alarm system are needed for each of the district buildings.

Rationale: Repair and replacement of infrastructure and equipment assures the District will continue to provide a consistent level of of high-level service to its customers.

GL Code: 1-00-189891

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

GIS/Mapping Update

Status: Ongoing

Locations: District wide

Funding Source: Rates

Permits: None

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Arials / Maps	\$ 3,582	\$ -	\$ -	\$ 2,205	\$ -	\$ -	\$ -	\$ -	\$ 2,682	\$ -	\$ -	\$ -	\$ 2,205	\$ 2,682	\$ 4,887
Equipment				-	-	-	-	-	-	-	-	-	-	-	0
ESRI software	9,072	4,500	4,500	-	-	-	-	-	-	-	-	-	9,000	-	18,072
Mapping/GIS Consultant	-	-	30,000	75,000	75,000	75,000	-	-	-	-	-	-	255,000	-	255,000
District labor	215	674	21,243	22,093	22,866	-	-	-	-	-	-	-	66,877	-	67,092
Project management / review	-	-	16,615	17,279	17,884	13,221	2,737	-	-	-	-	-	64,999	2,737	67,736
Total Costs	\$ 12,869	\$ 5,174	\$ 72,358	\$ 116,577	\$ 115,750	\$ 88,221	\$ 2,737	\$ -	\$ 2,682	\$ -	\$ -	\$ -	\$ 398,081	\$ 5,419	\$ 412,787

Project description: Purchase ESRI software. Annual costs will depend on the version purchased. North City Water District staff will work on verifying locations of District assets

Rationale: North City Water District will update the GIS in-house over several years to more evenly distribute the project costs. Some assistance with an outside agency or consultant may be utilized but unknown at this time.

GL Code: 1-00-189350 / 1-00-189960

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

Communications/PSERN

Status: On-going

Locations: Various

Funding Source: Rates

Permits: N/A

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Equipment	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ 50,000
Total Costs	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ 50,000

Project description: The District will be updating the communications equipment for each vehicle and the base stations.

Rationale: Preparing for an emergency communications with local agencies will help District.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

Shake Alert

Status: Projected

Locations: Misc

Funding Source: Rates

Permits: Pending Conditional Use Permit

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ 7,208	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,208	\$ -	\$ 7,208
Construction	-	-	28,620	-	-	-	-	-	-	-	-	-	28,620	-	28,620
Inspection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Crew time	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Project management	-	-	2,374	-	-	-	-	-	-	-	-	-	2,374	-	2,374
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Total Costs	\$ -	\$ -	\$ 38,202	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 38,202	\$ -	\$ 38,202

Project description: Installation of monitors on key district structures to monitor ground vibrations.

Rationale: The District is an active participant in the regional ShakeAlert program by USGS. This project will help monitor the integrity of the structure before and after an event.

GL Code: 1-00-239206

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

Shunt Trip Breakers for Booster Stations 1 and 2

Status: Projected

Locations: Booster stations 1 and 2

Funding Source: Rates

Permits: ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	84,800	-	-	-	-	-	-	-	-	-	84,800	-	84,800
Inspection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Crew time	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Project management	-	-	2,374	-	-	-	-	-	-	-	-	-	2,374	-	2,374
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Total Costs	\$ -	\$ -	\$ 87,174	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 87,174	\$ -	\$ 87,174

Project description: The existing boost stations will have breakers installed to shut off the pump in the event of an earthquake.

Rationale: In the event of an earthquake, the pumps could continue to run if there is a broken water main in the system. By installing these breakers, we will be able to shut off the pumps automatically until the crews can assess the damage.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

Telemetry Improvements and Upgrade

Status: Projected

Locations: Phase I - Upgrade Telemetry Software, Phase II MLT-17, MLT - 19

Funding Source: Rates

Permits: Phase I - none, Phase II - ROW

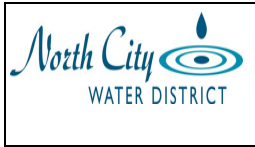
Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ 5,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,300	\$ -	\$ 5,300
Construction	-	15,000	95,400	-	-	-	-	-	-	-	-	-	110,400	-	110,400
Inspection	-	-	708	-	-	-	-	-	-	-	-	-	708	-	708
Crew time	-	-	1,416	-	-	-	-	-	-	-	-	-	1,416	-	1,416
Project management	-	-	3,798	-	-	-	-	-	-	-	-	-	3,798	-	3,798
Legal & other	-	-	2,650	-	-	-	-	-	-	-	-	-	2,650	-	2,650
Total Costs	\$ -	\$ 15,000	\$ 109,272	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 124,272	\$ -	\$ 124,272

Project description: The District will be changing to wireless communications at each station. Upgrade telemetry software and add telemetry to two emergency supply stations with Mountlake Terrace. Schedule software updates every 10 years thereafter.

Rationale: The District needs to have constant, reliable communication to be able to operate the system 24 hours per day/365 days per year.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

Ongoing Capital Maintenance of Administration Building

Status: Projected

Locations: 1519 NE 177th Street, Shoreline

Funding Source: Rates

Permits: N/A

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ -	\$ -	\$ -
Construction	-	-	53,000	10,000	-	-	-	64,483	-	-	-	-	63,000	64,483	301,386
Inspection	-	-	708	736	-	-	-	845	-	-	-	-	1,445	845	4,485
Crew time	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Project management	-	-	1,187	1,234	-	-	-	1,416	-	-	-	-	2,421	1,416	7,517
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Total Costs	\$ -	\$ -	\$ 54,895	\$ 11,971	\$ -	\$ -	\$ -	\$ 66,744	\$ -	\$ -	\$ -	\$ -	\$ 66,866	\$ 66,744	\$ 313,388

Project description: Ongoing capital expenses related to the Admin building such as painting the parking lot, painting the building.

Rationale: The District needs to regularly do improvements to the building as it ages.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

Replace watermain in NE 182st St

Status: Projected

Locations: 18203 25th Ave NE, 2456, 2450, 2444, 2434, 2441 NE 182nd St

Funding Source: Rates

Permits: ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ 53,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 53,000	\$ -	\$ 53,000
Construction	-	-	-	121,264	-	-	-	-	-	-	-	-	121,264	-	\$ 121,264
Inspection	-	-	-	4,419	-	-	-	-	-	-	-	-	4,419	-	\$ 4,419
Crew time	-	-	-	5,891	-	-	-	-	-	-	-	-	5,891	-	\$ 5,891
Project management	-	-	1,780	2,222	-	-	-	-	-	-	-	-	4,002	-	\$ 4,002
Legal & other	-	-	3,180	-	-	-	-	-	-	-	-	-	3,180	-	\$ 3,180
Total Costs	\$ -	\$ -	\$ 57,960	\$ 133,796	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 191,756	\$ -	\$ 191,756

Project description: Replace water main and services in NE 182nd St.

Rationale: The 360 feet of 2" 1949 cast iron water main was installed in 1949 and has had several leaks.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

System-wide Rebuild/Replace PRV Stations

Status: Ongoing

Locations: Various

Funding Source: Rates

Permits: Not required unless vault is replaced, then ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Construction	\$ -	\$ -	\$ -	\$ 78,000	\$ 81,120	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 209,120	\$ -	\$ 209,120
Crew time	-	-	-	11,047	11,433	11,833	-	-	-	-	-	-	34,313	-	34,313
Project management	-	-	-	1,234	1,277	1,322	-	-	-	-	-	-	3,834	-	3,834
Total Costs	\$ -	\$ -	\$ -	\$ 90,281	\$ 93,831	\$ 63,155	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 247,267	\$ -	\$ 247,267

Project description: This ongoing program consists of the rehabilitation or replacement of old and deteriorating pressure reducing valves (PRVs) throughout the service area. The number of pressure reducing valves that are rehabilitated is estimated to be 2 to 3 per year based on the annual program budget and the rehabilitation costs. Replacement criteria includes service requirements, safety, maintenance history, age and availability of replacement parts. In 2011, PRV 5 was rebuilt. In 2014, PRVs 7 and 9 were replaced. In 2016, PRV was rebuilt.

Rationale: North City Water District includes 13 PRVs that supply water throughout the District. During normal operation, they may sustain the water pressure to homes and businesses in service areas of similar elevation, known as pressure zones. When they sense a drop in system pressure, these valves open wide to provide additional water to fight fires or in response to their supply deficiencies. PRVs require rehabilitation or replacement every 25 years, as parts become obsolete and mechanical wear leads to unreliable performance. The PRVs have small vaults with difficult access. These vaults make the increased maintenance and repair work problematic; are too small to accommodate newer valves and fitting, and in some cases raise safety concerns for personnel. Permits may be required if the vaults are replaced.

GL Code: 2-00-189102, 1-00-189300

Other project names: CIP 2011-03, PRV #5 rebuild
CIP 2014-01, Rebuild PRV 7 and 9
CIP 2016-01, Rebuild PRV 1



Capital Plan - Project

2023-2043 - Budget / Forecast

Vactor Truck Replacement

Status: Projected

Locations: Districtwide

Funding Source: Rates

Permits: N/A

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	551,200	-	-	-	-	-	697,444	-	-	551,200	697,444
Inspection	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crew time	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Project management	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Costs	\$ -	\$ -	\$ -	\$ 551,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 697,444	\$ -	\$ -	\$ 551,200	\$ 697,444

Project description: Replace District Vactor Truck every 7 years

Rationale: Vehicle maintenance costs increase substantially overtime. There are also rental costs that the District may incur should the vactor be needed when it is out for repairs.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

CIP 101 - Install 8" pipe to connect 590 Zone dead-end piping created by zone separation

Status: Projected

Locations: NE 160th St/15th & 28th Ave

Funding Source: Rates

Permits: ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ -	\$ 150,037	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,037	\$ -	\$ 150,037
Construction	-	-	-	-	431,926	-	-	-	-	-	-	-	431,926	-	\$ 431,926
Inspection	-	-	-	-	9,909	-	-	-	-	-	-	-	9,909	-	\$ 9,909
Crew time	-	-	-	-	9,147	-	-	-	-	-	-	-	9,147	-	\$ 9,147
Project management	-	-	-	1,234	6,770	-	-	-	-	-	-	-	8,005	-	\$ 8,005
Legal & other	-	-	-	5,512	-	-	-	-	-	-	-	-	5,512	-	\$ 5,512
Total Costs	\$ -	\$ -	\$ -	\$ 156,783	\$ 457,752	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 614,535	\$ -	\$ 614,535

Project description: Install 1000 lf of 8" water main NE 160th St/15th & 28th Ave connecting 590 Pressure Zone

Rationale: As part of the creation of a new 520 pressure zone, several projects have been identified to separate the area from a 590 to a 520 pressure zone.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

CIP 102 - Connect northern end of 25th Avenue main to 520 Zone

Status: Projected

Locations: 18th Ave NE & Perkins Way

Funding Source: Rates

Permits: ROW

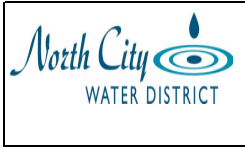
Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ -	\$ 28,266	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 28,266	\$ -	\$ 28,266
Construction	-	-	-	-	42,459	-	-	-	-	-	-	-	42,459	-	\$ 42,459
Inspection	-	-	-	-	915	-	-	-	-	-	-	-	915	-	\$ 915
Crew time	-	-	-	-	1,220	-	-	-	-	-	-	-	1,220	-	\$ 1,220
Project management	-	-	-	741	766	-	-	-	-	-	-	-	1,507	-	\$ 1,507
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -
Total Costs	\$ -	\$ -	\$ -	\$ 29,007	\$ 45,360	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 74,367	\$ -	\$ 74,367

Project description: Install 8" water main to connect 590 Zone dead-end piping created by zone separation.

Rationale: As part of the creation of a new 520 pressure zone, several projects have been identified to separate the area from a 590 to a 520 pressure zone.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

CIP 103 - Remove PRV-5

Status: Projected

Location: IVE 10000
Street

Funding Source: Rates

Permits: ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Engineering	\$ -	\$ -	\$ -	\$ 6,136	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,136	\$ -	\$ 6,136
Construction	-	-	-	15,793	-	-	-	-	-	-	-	-	15,793	-	\$ 15,793
Inspection	-	-	-	442	-	-	-	-	-	-	-	-	442	-	\$ 442
Crew time	-	-	-	736	-	-	-	-	-	-	-	-	-	-	\$ -
Project management	-	-	-	987	-	-	-	-	-	-	-	-	-	-	\$ -
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -
Total Costs	\$ -	\$ -	\$ -	\$ 17,959	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,235	\$ -	\$ 22,371

Project description: Remove PRV-5

Rationale: As part of the creation of a new 520 pressure zone, several projects have been identified to separate the area from a 590 to a 520 pressure zone.

GL Code:

Other project names:



Capital Plan - Project 2023-2043 - Budget / Forecast

CIP 129 - Replace existing 6" & 8" mains on 19th Ave NE & Ballinger Way NE

Status: Projected

Location:

Funding Source: Rates

Permits:

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ -	\$ 89,184	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 89,184	\$ -	\$ 89,184
Construction	-	-	-	-	256,168	-	-	-	-	-	-	-	-	256,168	256,168
Inspection	-	-	-	-	1,524	-	-	-	-	-	-	-	-	1,524	1,524
Crew time	-	-	-	-	2,439	-	-	-	-	-	-	-	-	2,439	2,439
Project management	-	-	-	1,481	639	-	-	-	-	-	-	-	1,481	639	2,120
Legal & other	-	-	-	11,024	-	-	-	-	-	-	-	-	11,024	-	11,024
Total Costs	\$ -	\$ -	\$ -	\$ 101,689	\$ 260,771	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 101,689	\$ 260,771	\$ 362,460

Project description: Replace existing 6" & 8" mains with 12" mains on 19th Ave NE & Ballinger Way NE

Rationale: To meet fire flow velocity criteria. The City of Shoreline will be doing a roadway project along 19th Ave NE the following year and we would like to have this project completed before they commence with their project.

GL Code:

Other project names:



Capital Plan - Project

2023-2044 - Budget / Forecast

CIP 139 - Replace 6" main at NE 155th Street & 27th Ave NE in 520 zone

Status: Projected

Location: NE 155th Street & 27 Ave NE

Funding Source: Rates

Permits: ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033
Design	\$ -	\$ -	\$ -	\$ 259,064	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 259,064	\$ -
Construction	-	-	-	-	775,428	-	-	-	-	-	-	-	775,428	-
Inspection	-	-	-	-	10,671	-	-	-	-	-	-	-	10,671	-
Crew time	-	-	-	-	6,098	-	-	-	-	-	-	-	6,098	-
Project management	-	-	-	3,703	5,110	-	-	-	-	-	-	-	8,812	-
Legal & other	-	-	-	27,560	-	-	-	-	-	-	-	-	27,560	-
Total Costs	\$ -	\$ -	\$ -	\$ 290,327	\$ 797,306	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,087,633	\$ -

Project description: Replace 6" main with 8" (355') and 12" (965') to meet 2,500 gpm fire flow

Rationale: To meet 2,500 gpm fire flow velocity criteria. The Seattle Public Utilities will be doing a project in this area. The District would like to coordinate doing their project with the District's project so as to minimize the impact on the ratepayers and share in the overlay costs.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

Asset Management

Status: Ongoing

Locations: District wide

Funding Source: Rates

Permits: None

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Asset Management Software	\$ -	\$ -	\$ -	10,000	10,000	10,000	-	-	-	-	-	-	\$ 30,000	\$ -	\$ 30,000
AM Consultant	-	-	-	75,000	75,000	25,000	-	-	-	-	-	-	175,000	-	\$ 175,000
District labor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -
Project management / review	-	-	-	22,216	22,994	11,899	-	-	-	-	-	-	57,109	-	\$ 57,109
Total Costs	\$ -	\$ -	\$ -	\$ 107,216	\$ 107,994	\$ 46,899	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 262,109	\$ -	\$ 262,109

Project description: Purchase Asset Management software for for the District. Annual costs will depend on the version purchased. Initial outlay is to be in capital with ongoing costs included in Operations Budget

Rationale: North City Water District takes pride in reinvesting into its system. Once the District maps are updated, the District expects to have a consultant help get asset management identified.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

CIP 118 - Install new Booster Station 1 and associated piping, and new 1.5 MG concrete reservoir

Status: Projected

Location: 15555 15th Ave NE

Funding Source: Rates

Permits: Building

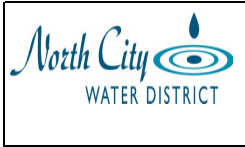
Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 750,000	\$ 437,730	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 850,000	\$ 437,730	\$ 1,287,730
Construction	-	-	-	-	-	500,000	1,614,159	1,465,817	-	-	-	-	500,000	3,079,975	\$ 3,579,975
Inspection	-	-	-	-	-	-	9,798	10,141	-	-	-	-	-	19,939	\$ 19,939
Crew time	-	-	-	-	-	-	1,578	6,532	-	-	-	-	1,578	13,293	\$ 14,870
Project management	-	-	-	-	5,110	10,577	8,210	14,163	-	-	-	-	15,687	22,373	\$ 38,060
Legal & other	-	-	-	-	22,930	-	-	-	-	-	-	-	22,930	-	\$ 22,930
Total Costs	\$ -	\$ -	\$ -	\$ -	\$ 128,040	\$ 1,262,155	\$ 2,076,429	\$ 1,496,881	\$ -	\$ -	\$ -	\$ -	\$ 1,390,194	\$ 3,573,310	\$ 4,963,505

Project description: Install new BS-2 and associated yard piping.

Rationale: A new Booster Station 2 with redundant pumping, 2,000 gpm w/ approximately 600 Total Design Head capacity.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

CIP 104 - Install 8" water mains for looping

Status: Projected

Locations: NE 155th Wt between 30th and 32nd Ave, 32nd Ave NE @ NE 158th Street, 33rd Ave NE @ NE 158th Street

Funding Source: Rates

Permits: ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 81,893	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 81,893	\$ 81,893
Construction	-	-	-	-	-	-	-	-	219,252	-	-	-	-	219,252	\$ 219,252
Inspection	-	-	-	-	-	-	-	-	3,499	-	-	-	-	3,499	\$ 3,499
Crew time	-	-	-	-	-	-	-	-	2,799	-	-	-	-	2,799	\$ 2,799
Project management	-	-	-	-	-	-	-	1,133	1,466	-	-	-	-	2,599	\$ 2,599
Legal & other	-	-	-	-	-	-	-	3,224	-	-	-	-	-	3,224	\$ 3,224
Total Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 86,250	\$ 227,016	\$ -	\$ -	\$ -	\$ -	\$ 313,266	\$ 313,266

Project description: Install 400 feet of 8" water mains on NE 155th Street between 30th and 32nd Ave NE.

Rationale: As part of the creation of a new 520 pressure zone, several projects have been identified to separate the area from a 590 to a 520 pressure zone.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

CIP 105a - Install 8" water mains for looping

Status: Projected

Locations: 32nd Ave NE at NE 158th St

Funding Source: Rates

Permits: ROW

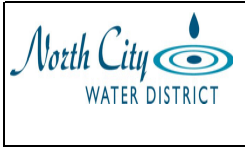
Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 39,592	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 39,592	\$ 39,592
Construction	-	-	-	-	-	-	-	-	89,296	-	-	-	-	89,296	\$ 89,296
Inspection	-	-	-	-	-	-	-	-	1,399	-	-	-	-	1,399	\$ 1,399
Crew time	-	-	-	-	-	-	-	-	2,099	-	-	-	-	2,099	\$ 2,099
Project management	-	-	-	-	-	-	-	1,416	586	-	-	-	-	2,003	\$ 2,003
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -
Total Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41,009	\$ 93,381	\$ -	\$ -	\$ -	\$ -	\$ 134,389	\$ 134,389

Project description: Install 100 feet of 8" water mains on 32nd Ave NE at NE 158th St

Rationale: As part of the creation of a new 520 pressure zone, several projects have been identified to separate the area from a 590 to a 520 pressure zone.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

CIP 105b - Install 8" water mains for looping

Status: Projected

Locations: 33rd Ave NE at NE 158th St

Funding Source: Rates

Permits: ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,368	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,368	\$ 36,368
Construction	-	-	-	-	-	-	-	-	79,543	-	-	-	-	79,543	\$ 79,543
Inspection	-	-	-	-	-	-	-	-	1,749	-	-	-	-	1,749	\$ 1,749
Crew time	-	-	-	-	-	-	-	-	1,050	-	-	-	-	1,050	\$ 1,050
Project management	-	-	-	-	-	-	-	2,266	1,173	-	-	-	-	3,439	\$ 3,439
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -
Total Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 38,634	\$ 83,515	\$ -	\$ -	\$ -	\$ -	\$ 122,149	\$ 122,149

Project description: Install 80 feet of 8" water mains on 33rd Ave at NE 158th Street

Rationale: As part of the creation of a new 520 pressure zone, several projects have been identified to separate the area from a 590 to a 520 pressure zone.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

CIP 106 - Relocate PRV-2

Status: Projected

Locations: 25th and 28th Ave NE & NE 178th Street

Funding Source: Rates

Permits: ROW

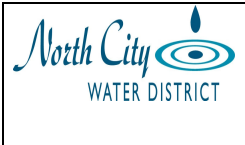
Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 98,143	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 98,143	\$ 98,143
Construction	-	-	-	-	-	-	-	-	280,297	-	-	-	-	280,297	\$ 280,297
Inspection	-	-	-	-	-	-	-	-	5,248	-	-	-	-	5,248	\$ 5,248
Crew time	-	-	-	-	-	-	-	-	6,997	-	-	-	-	6,997	\$ 6,997
Project management	-	-	-	-	-	-	-	4,249	4,398	-	-	-	-	8,646	\$ 8,646
Legal & other	-	-	-	-	-	-	-	3,936	-	-	-	-	-	3,936	\$ 3,936
Total Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 106,328	\$ 296,940	\$ -	\$ -	\$ -	\$ -	\$ 403,268	\$ 403,268

Project description: Relocate PRV from 25th to 28th Ave NE and NE 178th Street to maintain 432 hydraulic grade line for piping loop.

Rationale: As part of the creation of a new 520 pressure zone, several projects have been identified to separate the area from a 590 to a 520 pressure zone.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

Acquire Additional Land

Status: Projected

Locations: Misc

Funding Source: Rates

Permits: Pending Conditional Use Permit

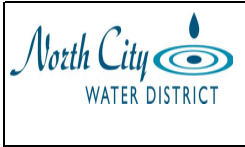
Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 704,150	\$ -	\$ -	\$ -	\$ -	\$ 704,150	\$ 704,150
Inspection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Crew time	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Project management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Legal & other	-	-	-	-	-	-	-	-	6,706	-	-	-	-	6,706	6,706
Total Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 710,856	\$ -	\$ -	\$ -	\$ -	\$ 710,856	\$ 710,856

Project description: The District will be relocating both booster stations to above ground locations.

Rationale: The booster stations are located below grade within the right of way. Backup power options are not readily available in their current locations.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

CIP 117 - Install 8" main at NE 158th Street

Status: Projected

Location: NE 158th St

Funding Source: Rates

Permits: ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 201,448	\$ -	\$ -	\$ -	\$ -	\$ 201,448	\$ 201,448
Construction	-	-	-	-	-	-	-	-	-	774,280	-	-	-	774,280	774,280
Inspection	-	-	-	-	-	-	-	-	-	18,105	-	-	-	18,105	18,105
Crew time	-	-	-	-	-	-	-	-	-	10,863	-	-	-	10,863	10,863
Project management	-	-	-	-	-	-	-	-	2,932	10,620	-	-	-	13,552	13,552
Legal & other	-	-	-	-	-	-	-	-	10,350	-	-	-	-	10,350	10,350
Total Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 214,730	\$ 813,869	\$ -	\$ -	\$ -	\$ 1,028,598	\$ 1,028,598

Project description: Install 8" 590 Zone piping to connect dead-end.

Rationale: To mitigate fire flow velocity deficiencies created by zone separation.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

CIP 118 - Install 12" gravity discharge line from SPU Tolt water main to relocate Booster Station 1

Status: Projected

Location: NE 10th St/10th Ave NE & NE 158th St

Funding Source: Rates

Permits: ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 717,106	\$ -	\$ -	\$ -	\$ -	\$ 717,106	\$ 717,106
Construction	-	-	-	-	-	-	-	-	-	2,171,891	-	-	-	2,171,891	2,171,891
Inspection	-	-	-	-	-	-	-	-	-	18,105	-	-	-	18,105	18,105
Crew time	-	-	-	-	-	-	-	-	-	14,484	-	-	-	14,484	14,484
Project management	-	-	-	-	-	-	-	-	10,261	9,103	-	-	-	19,364	19,364
Legal & other	-	-	-	-	-	-	-	-	87,180	-	-	-	-	87,180	87,180
Total Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 814,548	\$ 2,213,584	\$ -	\$ -	\$ -	\$ 3,028,132	\$ 3,028,132

Project description: Install 2900 ft of 12" discharge line from SPU/Tolt pipeline connection to relocated BS=1

Rationale: To relocate Booster Station 1

GL Code:

Other project names:



Capital Plan - Project 2023-2043 - Budget / Forecast

CIP 118 - Install new Booster Station 1 and associated piping, and new 1.5 MG concrete reservoir

Status: Projected

Location: 15555 15th Ave NE

Funding Source: Rates

Permits: Building

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 400,000	\$ 700,000	\$ 205,777	\$ -	\$ -	\$ 1,505,777	\$ 1,505,777
Construction	-	-	-	-	-	-	-	-	-	2,000,000	4,383,962	2,215,348	-	8,599,310	\$ 8,599,310
Inspection	-	-	-	-	-	-	-	-	-	21,726	22,487	-	-	21,726	\$ 21,726
Crew time	-	-	-	-	-	-	-	-	-	9,053	14,991	-	-	9,053	\$ 9,053
Project management	-	-	-	-	-	-	-	-	11,727	24,275	40,827	-	-	36,002	\$ 36,002
Legal & other	-	-	-	-	-	-	-	-	-	348,722	-	-	-	348,722	\$ 348,722
Total Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 411,727	\$ 3,103,776	\$ 4,668,044	\$ 2,215,348	\$ -	\$ 10,520,589	\$ 10,520,589

Project description: Install new BS-1 and associated yard piping. Install new 1.5 MG concrete reservoir.

Rationale: New Booster Station 1 with redundant pumping, 2,000 gpm w/ approximately 600 Total Design Head capacity. Install new 1.5 MG concrete reservoir.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

CIP 107 - Install 12" water main across Hamlin Park

Status: Projected

Location: from Fircrest to 25th Ave NE

Funding Source: Rates

Permits: ROW

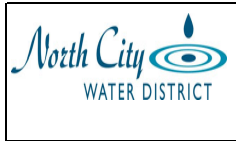
Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 326,822	\$ -	\$ -	\$ -
Construction	-	-	-	-	-	-	-	-	-	-	978,271	-	-
Inspection	-	-	-	-	-	-	-	-	-	1,811	13,117	-	-
Crew time	-	-	-	-	-	-	-	-	-	-	18,739	-	-
Project management	-	-	-	-	-	-	-	-	-	9,103	9,422	-	-
Legal & other	-	-	-	-	-	-	-	-	-	13,949	-	-	-
Total Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 351,685	\$1,019,549	\$ -	\$ -

Project description: Install 12" water main to create southern 590 Zone loop for water quality and to maintain fire flow capacity. Install check valve and 8" fire flow PRV (#14) at 590-520 Zone boundary at 25th & NE 160th St.

Rationale: For water quality and to maintain fire flow capacity. As part of the creation of a new 520 pressure zone, several projects have been identified to separate the area from a 590 to a 520 pressure zone.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

CIP 108 - Install new 12" main to create North/South 520 zone

Status: Projected

Location: Ave NE/NE

Funding Source: Rates

Permits: ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 779,278	\$ -	\$ -	\$ 779,278	\$ 779,278
Construction	-	-	-	-	-	-	-	-	-	-	-	2,337,297	-	2,337,297	2,337,297
Inspection	-	-	-	-	-	-	-	-	-	-	-	15,516	-	15,516	15,516
Crew time	-	-	-	-	-	-	-	-	-	-	-	19,395	-	19,395	19,395
Project management	-	-	-	-	-	-	-	-	-	-	-	29,254	-	29,254	29,254
Legal & other	-	-	-	-	-	-	-	-	-	-	104,746	-	-	104,746	104,746
Total Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 884,024	\$ 2,401,462	\$ -	\$3,285,486	\$ 3,285,486

Project description: Create new north-south 520 Zone transmission, replacing 4" & 6" pipe in existing 520 Zone and paralleling 6" 590 Zone pipe to the south. Required for hydraulic and fire flow capacity

Rationale: As part of the creation of a new 520 pressure zone, several projects have been identified to separate the area from a 590 to a 520 pressure zone.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

CIP 100 - Install individual PRVs for new 520 zone

Status: Projected

Locations:

Funding Source: Rates

Permits:

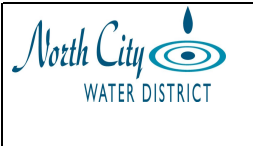
Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,507	\$ -	\$ -	\$ 14,507	\$ 14,507
Construction	-	-	-	-	-	-	-	-	-	-	-	520,505	-	520,505	520,505
Inspection	-	-	-	-	-	-	-	-	-	-	-	19,395	-	19,395	19,395
Crew time	-	-	-	-	-	-	-	-	-	-	-	1,939	-	1,939	1,939
Project management	-	-	-	-	-	-	-	-	-	-	-	6,501	-	6,501	6,501
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,507	\$ 548,340	\$ -	\$ 562,847	\$ 562,847

Project description: Install individual PRVs to 400 properties to form new pressure zone.

Rationale: Individual PRVs will help keep the service pressures in the appropriate range for all the homes in the new pressure zone. As part of the creation of a new 520 pressure zone, several projects have been identified to separate the area from a 590 to a 520 pressure zone. This is the final project that needs to be completed before the new 520 zone can go live.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

3.7 MG Reservoir Misc Capital Improvements

Status: Projected

Locations: 3.7 MG resevoir site

Funding Source: Rates

Permits: None

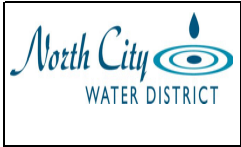
Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 214,598	\$ -	\$ -	\$ -	\$ -	\$ 214,598	\$ 616,536
Construction	-	-	-	-	-	-	-	-	-	1,534,376	-	-	-	1,534,376	4,408,235
Inspection	-	-	-	-	-	-	-	-	-	9,053	-	-	-	9,053	24,750
Crew time	-	-	-	-	-	-	-	-	-	1,811	-	-	-	1,811	4,950
Project management	-	-	-	-	-	-	-	-	3,665	3,034	-	-	-	6,699	18,315
Legal & other	-	-	-	-	-	-	-	-	6,706	-	-	-	-	6,706	19,267
Total Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 224,969	#####	\$ -	\$ -	\$ -	#####	#####

Project description: The 3.7 MG Reservoir was painted in 2014. It is expected to be repainted again in 2031.

Rationale: Repair and maintenance of infrastructure and equipment assures the District will continue to provide a consistent level of of high-level service to its customers.

GL Code: 1-00-176700

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

Meter Replacement

Status: Projected
Funding Source: Rates

Locations: Various
Permits: ROW

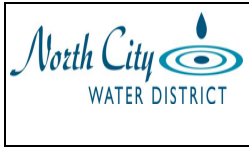
Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Materials	\$ 163,885	\$ 76,388	\$ 22,260	\$ 23,150	\$ 24,076	\$ 25,039	\$ 26,041	\$ 27,083	\$ 28,166	\$ 29,293	\$ 30,464	\$ 31,683	\$ 170,914	\$ 172,730	\$ 958,378
District Labor	2,136	20,232	12,038	12,519	12,958	13,411	13,880	14,366	14,869	15,390	15,928	16,486	71,158	90,919	400,623
Total Costs	\$ 166,021	\$ 96,619	\$ 34,298	\$ 35,670	\$ 37,034	\$ 38,451	\$ 39,922	\$ 41,449	\$ 43,035	\$ 44,682	\$ 46,392	\$ 48,169	\$ 242,072	\$ 263,649	\$ 1,359,001

Project description: The replacement of smaller capital infrastructure, such as meters, services, and hydrants, equipment, and computers and software, is an on-going capital cost for the District. Maintenance projects that potentially increase the life of existing infrastructure are also classified as capital costs. Assume a new base station in the southwest corner of the District.

Rationale: Repair and replacement of infrastructure and equipment assures the District will continue to provide a consistent level of high-level service to its customers.

GL Code: 1-00-176300

Other project names:



Capital Plan - Project

2023-2044 - Budget / Forecast

Service Replacement

Status: Projected
Funding Source: Rates

Locations: Various
Permits: ROW

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Materials	\$ 72,580	\$ 79,112	\$ 83,858	\$ 87,213	\$ 90,701	\$ 94,329	\$ 98,103	\$ 102,027	\$ 106,108	\$ 110,352	\$114,766	\$119,357	\$ 435,214	\$ 650,711	\$ 2,751,566
District Labor	16,002	26,976	28,324	29,457	30,488	31,555	32,660	33,803	34,986	36,211	37,478	38,790	146,801	213,927	890,130
Total Costs	\$ 88,582	\$ 106,087	\$ 112,183	\$ 116,670	\$ 121,190	\$ 125,885	\$ 130,762	\$ 135,830	\$ 141,094	\$ 146,563	\$152,244	\$158,146	\$ 582,015	\$ 864,639	\$ 3,641,697

Project description: The replacement of smaller capital infrastructure, such as meters, services, and hydrants, equipment, and computers and software, is an on-going capital cost for the District. Maintenance projects that potentially increase the life of existing infrastructure are also classified as capital costs.

Rationale: Repair and replacement of infrastructure and equipment assures the District will continue to provide a consistent level of high-level service to its customers.

GL Code: 1-00-176200

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

Hydrant Replacement

Status: On-going

Locations: Various

Funding Source: Rates

Permits: Not required

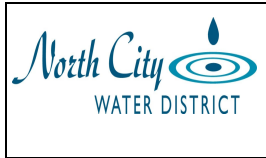
Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033
Materials	\$ 26,138	\$ 20,565	\$ 21,799	\$ 22,671	\$ 23,578	\$ 24,521	\$ 25,502	\$ 26,522	\$ 27,582	\$ 28,686	\$ 29,833	\$ 31,027	\$ 113,133	\$ 169,151
District Labor	534	7,418	7,789	8,101	8,384	8,678	8,981	9,296	9,621	9,958	10,306	10,667	40,370	58,830
Total Costs	\$ 26,672	\$ 27,983	\$ 29,588	\$ 30,772	\$ 31,962	\$ 33,198	\$ 34,483	\$ 35,817	\$ 37,204	\$ 38,644	\$ 40,140	\$ 41,694	\$ 153,503	\$ 227,981

Project description: The replacement of smaller capital infrastructure, such as meters, services, and hydrants, equipment, and computers and software, is an on-going capital cost for the District. Maintenance project that potentially increase the life of existing infrastructure are also classified as capital costs.

Rationale: Repair and replacement of infrastructure and equipment assures the District will continue to provide a consistent level of high-level service to its customers.

GL Code: 1-00-176400

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

Valve Replacement

Status: On-going

Locations: Various

Funding Source: Rates

Permits:

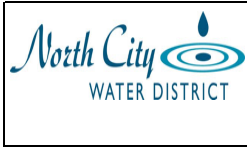
Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033
Air Valves - Materials and Labor	\$ -	\$ 17,939	\$ 19,015	\$ 19,776	\$ 20,567	\$ 21,389	\$ 22,245	\$ 23,135	\$ 24,060	\$ 25,023	\$ 26,023	\$ 27,064	\$ 98,686	\$ 147,550
Valves - Materials	-	3,609	3,826	3,979	4,138	4,304	4,476	4,655	4,841	5,035	5,236	5,445	19,856	29,687
Valves - District Labor	89	6,744	7,081	7,364	7,622	7,889	8,165	8,451	8,747	9,053	9,369	9,697	36,700	53,482
Total Costs	\$ 89	\$ 28,292	\$ 29,922	\$ 31,119	\$ 32,327	\$ 33,582	\$ 34,886	\$ 36,240	\$ 37,648	\$ 39,110	\$ 40,629	\$ 42,207	\$ 155,241	\$ 230,719

Project description: The replacement of smaller capital infrastructure, such as meters, services, and hydrants, equipment, and computers and software, is an ongoing capital cost for the District. Maintenance projects that potentially increase the life of existing infrastructure are also classified as capital costs.

Rationale: Repair and replacement of infrastructure and equipment assures the District will continue to provide a consistent level of high-level service to its customers.

GL Code: 1-00-176500

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

Technology Additions & Replacement

Status: On-going

Locations: Various

Funding Source: Rates

Permits: N/A

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Technology Additions & Replc	5,366	26,560	14,250	23,250	14,025	22,775	4,975	15,230	26,900	20,050	\$ 20,975	\$ 10,050	\$ 100,860	\$ 98,180	\$ 747,525
Total Costs	\$ 5,366	\$ 26,560	\$ 14,250	\$ 23,250	\$ 14,025	\$ 22,775	\$ 4,975	\$ 15,230	\$ 26,900	\$ 20,050	\$ 20,975	\$ 10,050	\$ 100,860	\$ 98,180	\$ 747,525

Project description: The replacement of smaller capital infrastructure, such as meters, services, and hydrants, equipment, and computers and software, is an on-going capital cost for the District. Maintenance projects that potentially increase the life of existing infrastructure are also classified as capital costs. Includes cyber security projects

Rationale: Repair and replacement of infrastructure and equipment assures the District will continue to provide a consistent level of high-level service to its customers.

GL Code:

Other project names:



Capital Plan - Project
2023-2043 - Budget / Forecast
Tools and Equipment

Status: On-going Locations: Various
Funding Source: Rates Permits: N/A

Project Elements	Pre 2017	2017	2018	2016-2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Tools, Equipment and Furniture				\$ -	\$ 17,324	\$ 16,421	\$ 16,749	\$ 62,323	\$ 19,717	\$ 20,900	\$ 21,736	\$ 22,606	\$ 23,510	\$ 24,450	\$ 25,428	\$ 26,445	\$ 27,503	\$ 28,603	\$ 29,747	\$ 157,847	\$ 149,942	#####
Total Costs	\$ -		\$ -	\$ -	\$ 17,324	\$ 16,421	\$ 16,749	\$ 62,323	\$ 19,717	\$ 20,900	\$ 21,736	\$ 22,606	\$ 23,510	\$ 24,450	\$ 25,428	\$ 26,445	\$ 27,503	\$ 28,603	\$ 29,747	\$ 157,847	\$ 149,942	#####

Project description: The replacement of smaller capital infrastructure, such as equipment, and computers and software, is an on-going capital cost for the District. Maintenance projects that potentially increase the life of existing infrastructure are also classified as capital costs. Specific replacement projects include (1) bagging station at North City/Denny Clouse Pump Station and 2.0 MG Reservoir in 2019, (2) Upgrading alarm system at the Administration building and installing new alarm at NC/DC PS in 2020, and (3) new cameras for Administration office, NC/DC PS and Maintenance Facility site in 2023.

Rationale: Repair and replacement of infrastructure and equipment assures the District will continue to provide a consistent level of high-level service to its customers.

GL Code:
Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

Misc. Engineering Reports and Upgrade Hydraulic Model

Status: Projected

Locations: District wide

Funding Source: Rates

Permits: N/A

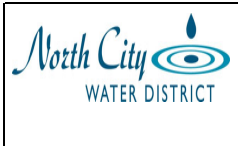
Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Report	\$ -	\$ 25,131	\$ 106,000	\$ -	\$ 142,018	\$ -	\$ 30,427	\$ 130,343	\$ -	\$ 168,673	\$ -	\$ 36,137	\$ 273,149	\$ 365,580	\$ 2,564,063
Crew time	-	-	4,249	2,946	-	-	-	5,070	875	-	-	-	7,194	5,945	\$ 32,243
Project management	-	-	7,595	7,405	-	-	-	9,064	9,382	-	-	-	15,001	18,446	\$ 87,960
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -
Total Costs	\$ -	\$ 25,131	\$ 117,844	\$ 10,351	\$ 142,018	\$ -	\$ 30,427	\$ 144,478	\$ 10,256	\$ 168,673	\$ -	\$ 36,137	\$ 295,344	\$ 389,971	\$ 2,684,266

Project description: Upgrade Cross Connection Control Plan, Hazard Mitigation, WIFA Risk and Resiliency Plan, Emergency Response Plans

Rationale: The Washington State Department of Health and the US EPA have regulations to operate a water utility. For those reports or projects that the District can not do inhouse, the District will contract out that work to a consultant.

GL Code:

Other project names:



Capital Plan - Project

2023-2043 - Budget / Forecast

Water System Plan & Conservation Plan

Status:

Locations: District wide

Funding Source:

Permits: None; DOH and King County approval required

Project Elements	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2023-2027	2028-2033	Project Total
Consulting	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000	\$ 1,656,142
Crew time	-	-	-	-	-	4,733	1,633	-	-	-	-	-	4,733	1,633	\$ 15,347
Project management / review	-	-	-	-	-	7,933	2,737	-	-	-	-	-	7,933	2,737	\$ 30,459
Management review	-	-	-	-	-	10,577	5,474	-	-	-	-	-	10,577	5,474	\$ 53,927
Legal & other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 20,000
Total Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 273,243	\$ 259,843	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 273,243	\$ 259,843	\$ 1,775,875

Project description: North City Water District's water system plan was adopted by the Board of Commissioners in 2011. The District made changes to the plan based on review comments and was approved by King County in December 2013 and DOH in January 2014. The District calibrated and update its hydraulic model in 2018. The District will also be updating the Coliform Monitoring Plan (CMP). The CIP and CMP will be submitted to DOH and King County for approval in 2019. The District will be requesting to DOH that we move from the 6 year to the 10 year approval cycle with the submission of this plan. The Coliform Monitoring Plan and ShakeAlert was also updated as part of this plan. The District will be updating the Water Shortage Contingency Plan and Cross Connection Control Plan in 2020.

Rationale: North City Water District supports the public health and safety, a healthy and sustainable environment and economy by providing a reliable source of safe, high-quality drinking water that meets all the District customers in an economic and environmentally responsible needs. During a WSP update, the District considered: (1) operating policies and customer level of service, (2) system vulnerabilities and emergency preparedness; and (3) water system needs of the next 20 years to meet anticipated population and employment growth and changing water regulation. Given that there has been a short time period since the last WSP was approved, it is likely DOH and King County will allow North City Water District to do an amendment and only update those portions of the plan that require updating. The City of Shoreline is changing their comprehensive plan to allow for redevelopment of the areas near the NE 145th and 185th Street light rail stations adjacent to the I5 corridor. Water service for redeveloping properties in these areas will be part of any developer extension agreements. It is unknown of many feet and what diameter of water mains will be required to support these redevelopment areas. The total cost and funding sources of these redevelopment areas are unknown as this time.

GL Code: 1-00-239206

Other project names:



Capital Plan - Project
2023-2043 - Budget / Forecast
ADDITIONAL CIPs

Status:

Location: Various

Funding Source:

Permits: ROW

Project Elements	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2027-2050
114a-Replace wm in Sheraton Beach	0	0	0	0	0	0	0	0	0	0	0	0	0	974,034	3,038,078	7,158,723
116-Replace mains in Sheraton Beach	0	0	0	0	0	0	0	0	0	0	0	1,069,519	2,927,290	0	0	3,996,810
120-Install new hydrant on 520 Zone pipin	0	0	0	0	0	0	0	0	30,787	70,403	0	0	0	0	0	101,190
121a-Replace lines on Forest Park Drive	0	0	0	0	0	0	0	0	294,327	751,695	0	0	0	0	0	1,046,021
121b-Replace lines on Forest Park Drive	0	0	0	0	0	0	0	0	129,023	333,919	0	0	0	0	0	462,942
122-Replace mains on 28th Ave NE	0	0	0	0	0	0	0	0	0	395,188	1,108,465	0	0	0	0	1,503,654
123-Replace 11th Ave NE	0	0	0	0	0	0	0	0	0	0	407,457	1,180,444	0	0	0	1,587,900
124-Repalce 4" main on NE 185th St	0	0	0	0	0	0	0	0	0	0	0	0	349,423	961,603	0	1,311,026
125-Replace 4" main on NE 183rd St	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,477,399
126-Replace 4" main on 36th Ave NE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,888,692
127-Replace 4" main on 24th Ave NE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,991,254
128-Replace 6" line on NE 171st St	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	635,349
130-Install new hydrant on NE 185th St	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	187,104
131b-Install water main between 21st and	0	0	0	0	0	0	0	0	292,401	725,424	0	0	0	0	0	1,017,825
132-Replace 6" on NE 165th St	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92,714
133-Install new hydrant on 15th Ave NE-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72,571
134-Install new hydrant on NE 169th St	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93,628
135-Replace 6" on NE Serpent PL/10th Av	0	0	0	0	0	0	0	0	0	0	0	0	72,822	180,635	0	253,457
136 - Replace 6" main on NE Serpentine F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	585,567
137-Replace 6" on NE 146th St	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,415,703
138-Replace 8" on 20th Ave NE & 145th S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	183,581
140-Install new hydrant on 15th Ave-615 z	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77,604
141-Replace 6" on 14th Ave NE/NE 195th	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,323,633
142-Connect dead ends on 20th PL NE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,188,720
143-Replace 6" on 14th Ave NE/Forest Pa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,881,992
144-Replace 6" on NE 172nds St	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	895,816
145-Install 8" on Ballinger Way in 432 zon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,144,131
Replace Low & Med flow pump @ NCDC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	274,390
Replace Source meters	0	0	0	0	0	0	0	0	0	0	0	0	0	239,193	0	239,193
Replace Individual meters	0	0	0	229,033	238,139	247,608	287,627	4,423,047	1,106,138	0	0	0	0	0	0	6,553,643
TOTAL	\$ -	\$ -	\$ -	\$ 229,033	\$ 238,139	\$ 247,608	\$ 287,627	\$ 4,423,047	\$ 1,852,676	\$ 2,276,630	\$ 1,515,922	\$ 2,249,963	\$ 3,349,535	\$ 2,355,466	\$ 3,038,078	\$ 31,486,701

Project description: Project identified in comprehensive water system plan outside the 12 year CIP budget. They are shown here to give flexibility in planning for future construction and to assure inclusion in computing the connections fees.



Vehicle Replacement Plan

	Vehicle Replacement Plan									
	2023 Budget									
Vehicle Replacement Plan	Year in Service	Life	Initial Repl Yr	2022	2023	2024	2025	2026	2027	TOTAL
Unit # 25 2018 -Forklift	2020	30	2050	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 28,721
Unit # 2 2010 F-150 P/U - Unit 28	2010	7	2022	39,461	-	-	-	-	-	39,461
Unit # 3 2010 F-150 P/U - Unit 26	2010	7	2020	-	-	-	-	-	45,000	31,690
Unit # 4 Rpl Unit 21 2015 F-150 PU	2000	7	2023	-	55,000	-	-	-	-	55,000
Unit # 5 GMC 10 Yard Dump	1997	20	2023	-	150,000	-	-	-	-	150,000
Unit # 8 2010 F-150 4x4	2012	7	2024	-	-	45,000	-	-	-	45,000
Unit # 15 Repl Unit 22 2015 F-150 PU	2001	7	2024	-	-	45,000	-	-	-	45,000
Unit # 17 2007 Interl 5 Yard Dump	2007	20	2027	-	-	-	-	-	110,000	-
Unit # 18 2013 F-350 Service Body - Box T	2013	10	2024	-	-	65,000	-	-	-	65,000
Unit # 19 2013 F-150 P/U	2013	7	2023	-	45,000	-	-	-	-	45,000
Unit # 20 F-550 Service Van	2013	15	2028	-	-	-	-	-	-	-
Unit 23 2015 Ford Explorer	2000	8	2025	-	-	-	60,000	-	-	-
Unit 24 2015 Ford Explorer	2015	8	2025	-	-	-	60,000	-	-	-
Unit Air Compressor	1991	8	2023	-	25,000	-	-	-	-	25,000
TR-1 Backhoe 1991	2003	30	2026	-	-	-	-	120,000	-	-
TR-2 Backhoe 2003	2021	30	2033	-	-	-	-	-	-	-
TOTAL				\$ 39,461	\$ 275,000	\$ 155,000	\$ 120,000	\$ 120,000	\$ 155,000	\$ 529,871
Vehicle Replacement Acct				2022	2023	2024	2025	2026	2027	Total
BEGINNING BALANCE				\$ 591,550	\$ 672,805	\$ 474,597	\$ 393,652	\$ 349,128	\$ 303,927	\$ 591,550
<u>Sources:</u>										
Net Interest Earnings				4,859	5,526	3,898	3,233	2,868	2,496	22,881
Revenue from Surplus Sales				30,857	30,291	18,362	14,926	15,374	20,454	130,263
Transfer from Operating Revenues				85,000	88,000	92,000	96,000	100,000	104,000	565,000
Total Sources				\$ 712,266	\$ 796,622	\$ 588,856	\$ 507,811	\$ 467,370	\$ 430,877	\$ 1,309,694
<u>Uses:</u>										
Unit # 25 2018 -Forklift				-	-	-	-	-	-	\$ -
Unit # 2 2010 F-150 P/U				(39,461)	-	-	-	-	-	(39,461)
Unit # 3 2010 F-150 P/U - Unit 26 2020 Ranger				-	-	-	-	-	(63,130)	(63,130)
Unit # 4 2000 Dodge P/U - Unit 21 2015 F-150 P/U				-	(65,346)	-	-	-	-	(65,346)
Unit # 5 GMC 10 Yard Dump				-	(178,215)	-	-	-	-	(178,215)
Unit # 8 2010 F-150 4x4				-	-	(56,672)	-	-	-	(56,672)
Unit # 15 2001 Chevy P/U - Unit 22 2015 F-150 P/U				-	-	(56,672)	-	-	-	(56,672)
Unit # 17 2007 International 5 Yard Dump				-	-	-	-	-	(154,318)	(154,318)
Unit # 18 2013 F-350 Service Body Box Truck				-	-	(81,860)	-	-	-	(81,860)
Unit # 19 2013 F-150 P/U				-	(53,465)	-	-	-	-	(53,465)
Unit # 20 F-550 Service Van				-	-	-	-	-	-	-
2000 Durango - Unit 23 2015 Ford Explorer				-	-	-	(79,341)	-	-	(79,341)
District Manager Vehicle - Unit 24 2015 Ford Explorer				-	-	-	(79,341)	-	-	(79,341)
Unit Air Compressor				-	(25,000)	-	-	-	-	(25,000)
TR-1 Backhoe 1991				-	-	-	-	(163,443)	-	(163,443)
TR-2 Backhoe 2001				-	-	-	-	-	-	-
Total Uses				\$ (39,461)	\$ (322,025)	\$ (195,205)	\$ (158,683)	\$ (163,443)	\$ (217,447)	\$ (1,096,264)
ENDING BALANCE				\$ 672,805	\$ 474,597	\$ 393,652	\$ 349,128	\$ 303,927	\$ 213,430	\$ 213,430

Plan description: District Operations efficiently maintains and coordinate repairs all District -owned vehicles and equipment which support the District in providing essential services to the District customers. Managing these investments properly to meet their intended life-cycles at a sustainable cost, while reducing the risk of accidents and injuries due to poorly maintained equipment and vehicles, provides the key for our District. The main goal of this fund is to provide safe, reliable, appropriately equipped, readily available vehicles and equipment for daily operations, through cost-effective maintenance and allows the District to provide a healthy and sustainable environment and be prepared as a first responder.

Rationale: The District has a total of 15 vehicles and backhoes that must provide for safe, reliable, and available vehicles and equipment for first responders. District staff have identified a deferred and emergency repair fund to allow for the replacement of vehicles when it is no longer cost effective for the District to own and operate.

	Vehicle Replacement Plan									
	2023 Budget									
Vehicle Replacement Plan	Year in Service	Life	Initial Repl Yr	2028	2029	2030	2031	2032	2033	TOTAL
Unit # 25 2018 -Forklift	2020	30	2050	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit # 2 2010 F-150 P/U - Unit 28	2010	7	2022	-	45,000	-	-	-	-	45,000
Unit # 3 2010 F-150 P/U - Unit 26	2010	7	2020	-	-	-	-	-	-	-
Unit # 4 Rpl Unit 21 2015 F-150 PU	2000	7	2023	-	-	55,000	-	-	-	55,000
Unit # 5 GMC 10 Yard Dump	1997	20	2023	-	-	-	-	-	-	-
Unit # 8 2010 F-150 4x4	2012	7	2024	-	-	-	45,000	-	-	45,000
Unit # 15 Repl Unit 22 2015 F-150 PU	2001	7	2024	-	-	-	45,000	-	-	45,000
Unit # 17 2007 Interl 5 Yard Dump	2007	20	2027	-	-	-	-	-	-	-
Unit # 18 2013 F-350 Service Body - Box T	2013	10	2024	-	-	-	-	-	-	-
Unit # 19 2013 F-150 P/U	2013	7	2023	-	-	45,000	-	-	-	45,000
Unit # 20 F-550 Service Van	2013	15	2028	93,000	-	-	-	-	-	93,000
Unit 23 2015 Ford Explorer	2000	8	2025	-	-	-	-	-	60,000	60,000
Unit 24 2015 Ford Explorer	2015	8	2025	-	-	-	-	-	60,000	60,000
Unit Air Compressor	1991	8	2023	-	-	-	25,000	-	-	25,000
TR-1 Backhoe 1991	2003	30	2026	-	-	-	-	-	-	-
TR-2 Backhoe 2003	2021	30	2033	-	-	-	-	-	120,000	120,000
TOTAL				\$ 93,000	\$ 45,000	\$ 100,000	\$ 115,000	\$ -	\$ 120,000	\$ 473,000
Vehicle Replacement Acct				2028	2029	2030	2031	2032	2033	Total
BEGINNING BALANCE				\$ 213,430	\$ 201,441	\$ 254,420	\$ 233,633	\$ 192,051	\$ 319,628	\$ 213,430
<u>Sources:</u>										
Net Interest Earnings				1,753	1,655	2,090	1,919	1,577	2,625	11,619
Revenue from Surplus Sales				12,640	6,300	14,420	17,080	-	37,816	88,256
Transfer from Operating Revenues				108,000	112,000	116,000	121,000	126,000	131,000	714,000
Total Sources				\$ 335,823	\$ 321,395	\$ 386,930	\$ 373,632	\$ 319,628	\$ 491,070	\$ 1,027,305
<u>Uses:</u>										
Unit # 25 2018 -Forklift				-	-	-	-	-	-	\$ -
Unit # 2 2010 F-150 P/U				-	(66,975)	-	-	-	-	(66,975)
Unit # 3 2010 F-150 P/U - Unit 26 2020 Ranger				-	-	-	-	-	-	-
Unit # 4 2000 Dodge P/U - Unit 21 2015 F-150 P/U				-	-	(84,313)	-	-	-	(84,313)
Unit # 5 GMC 10 Yard Dump				-	-	-	-	-	-	-
Unit # 8 2010 F-150 4x4				-	-	-	(71,053)	-	-	(71,053)
Unit # 15 2001 Chevy P/U - Unit 22 2015 F-150 P/U				-	-	-	(71,053)	-	-	(71,053)
Unit # 17 2007 International 5 Yard Dump				-	-	-	-	-	-	-
Unit # 18 2013 F-350 Service Body Box Truck				-	-	-	-	-	-	-
Unit # 19 2013 F-150 P/U				-	-	(68,984)	-	-	-	(68,984)
Unit # 20 F-550 Service Van				(134,383)	-	-	-	-	-	(134,383)
2000 Durango - Unit 23 2015 Ford Explorer				-	-	-	-	-	(100,507)	(100,507)
District Manager Vehicle - Unit 24 2015 Ford Explorer				-	-	-	-	-	(100,507)	(100,507)
Unit Air Compressor				-	-	-	(39,474)	-	-	(39,474)
TR-1 Backhoe 1991				-	-	-	-	-	-	-
TR-2 Backhoe 2001				-	-	-	-	-	(201,014)	(201,014)
Total Uses				\$ (134,383)	\$ (66,975)	\$ (153,297)	\$ (181,581)	\$ -	\$ (402,029)	\$ (938,264)
ENDING BALANCE				\$ 201,441	\$ 254,420	\$ 233,633	\$ 192,051	\$ 319,628	\$ 89,041	\$ 89,041

Plan description: District Operations efficiently maintains and coordinate repairs all District -owned vehicles and equipment which support the District in providing essential services to the District customers. Managing these investments properly to meet their intended life-cycles at a sustainable cost, while reducing the risk of accidents and injuries due to poorly maintained equipment and vehicles, provides the key for our District. The main goal of this fund is to provide safe, reliable, appropriately equipped, readily available vehicles and equipment for daily operations, through cost-effective maintenance and allows the District to provide a healthy and sustainable environment and be prepared as a first responder.

Rationale: The District has a total of 15 vehicles and backhoes that must provide for safe, reliable, and available vehicles and equipment for first responders. District staff have identified a deferred and emergency repair fund to allow for the replacement of vehicles when it is no longer cost effective for the District to own and operate.



Debt Service



Debt Service Schedule

2023 - Budget

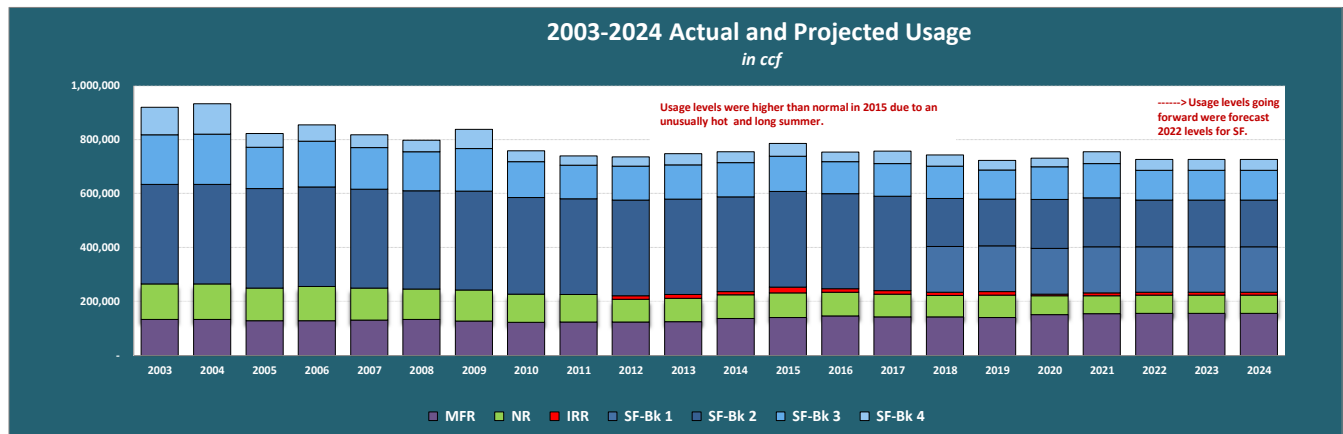
Year	2011 Revenue Bond \$9,865,000		PWTF Loan	DWSRF Loan \$ 4,033,931	2016 Revenue Bond \$7,685,000		2021 Revenue Bond \$4,855,000		COMBINED DEBT	CAPITAL	NET SERVICE
	Principal	Interest	Prin & Int	Est. Prin & Int	Principal	Interest	Principal	Interest	SERVICE	INTEREST	SERVICE
2012	\$ 480,000	\$ 201,014	\$ 84,692						\$ 765,706		\$ 765,706
2013	510,000	256,448	83,536						849,984	(168,177)	681,807
2014	520,000	246,248	50,031						816,279	(147,739)	668,540
2015	525,000	235,848		65,952					826,800	(104,702)	722,097
2016	540,000	225,348		71,308		-			836,656	(155,784)	680,872
2017	555,000	214,548		373,007	-	256,167			1,398,721	(281,884)	1,116,837
2018	565,000	203,448		255,707	-	307,400			1,331,555	(200,000)	1,131,555
2019	580,000	192,148		255,559	-	307,400			1,335,107	(226,472)	1,108,634
2020	395,000	179,098		252,531	-	307,400			1,134,029	(365,000)	769,029
2021	405,000	126,917		249,503	-	307,400		32,321	1,121,141		1,121,141
2022	-	-		246,475	-	307,400	495,000	79,488	1,128,363		1,128,363
2023	-	-		243,447	-	307,400	455,000	77,172	1,083,019		1,083,019
2024	-	-		240,419	-	307,400	460,000	69,119	1,076,937		1,076,937
2025	-	-		237,391	-	307,400	470,000	60,977	1,075,767		1,075,767
2026	-	-		234,363	-	307,400	470,000	52,658	1,064,420		1,064,420
2027	-	-		231,335	-	307,400	480,000	44,339	1,063,073		1,063,073
2028	-	-		228,307	-	307,400	495,000	35,843	1,066,549		1,066,549
2029	-	-		225,279	-	307,400	500,000	27,081	1,059,760		1,059,760
2030	-	-		222,251	-	307,400	510,000	18,231	1,057,882		1,057,882
2031	-	-		219,223	-	307,400	520,000	9,204	1,055,827		1,055,827
2032				216,195	385,000	307,400			908,595		908,595
2033				213,167	400,000	292,000			905,167		905,167
2034				210,139	415,000	276,000			901,139		901,139
2035				180,180	430,000	259,400			869,580		869,580
2036				177,556	450,000	242,200			869,756		869,756
2037					465,000	224,200			689,200		689,200
2038					485,000	205,600			690,600		690,600
2039					505,000	186,200			691,200		691,200
2040					525,000	166,000			691,000		691,000
2041					545,000	145,000			690,000		690,000
2042					570,000	123,200			693,200		693,200
2043					590,000	100,400			690,400		690,400
2044					615,000	76,800			691,800		691,800
2045					640,000	52,200			692,200		692,200
2046					665,000	26,600			691,600		691,600
TOTAL	\$5,075,000	\$2,081,065	\$ 218,260	\$4,849,292	\$7,685,000	\$7,242,967	\$4,855,000	\$ 506,431	\$32,513,015	\$ (1,649,760)	\$30,863,255



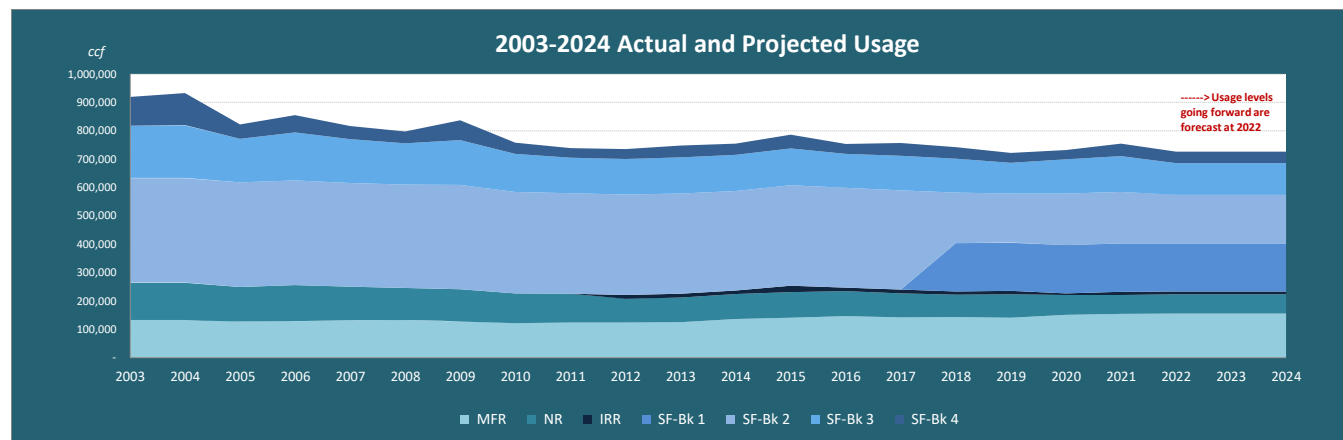
Revenues

Usage History with Forecast - 2003-2024

2023 - Budget



CLASS / BLOCKS	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
IRR				-	-	-	-	-	-	13,000	13,664	11,990	21,972	12,534	13,256	11,630	12,342	5,419	11,301	10,678	10,678	10,678
NR	131,817	131,817	120,507	126,919	118,429	112,958	114,875	104,599	102,056	84,361	86,765	87,732	90,741	88,183	84,111	79,422	83,212	70,110	65,760	67,183	67,183	67,183
MFR	132,773	132,773	128,656	128,546	131,322	132,711	126,857	122,364	123,387	123,648	125,007	136,546	140,688	146,060	142,194	142,572	140,472	151,186	154,774	155,681	155,681	155,681
SF-Bk 4	101,810	113,220	50,760	60,901	47,186	42,603	70,507	39,733	33,782	34,190	41,167	39,981	48,437	35,461	45,453	41,288	34,900	32,456	43,457	40,432	40,432	40,432
SF-Bk 3	184,691	186,385	153,380	169,441	154,214	145,237	158,414	133,506	125,525	125,639	127,160	126,935	129,433	119,142	120,951	119,125	108,194	120,926	126,955	110,955	110,955	110,955
SF-Bk 2	368,741	368,741	368,741	368,824	365,916	364,210	366,723	357,603	354,337	354,277	353,647	351,482	354,780	352,564	350,686	178,046	173,439	181,338	181,494	172,922	172,922	172,922
SF-Bk 1																170,408	169,548	170,087	170,518	168,657	168,657	168,657
TOTAL	919,832	932,937	822,044	854,631	817,067	797,719	837,376	757,805	739,087	735,115	747,410	754,666	786,051	753,944	756,651	742,491	722,107	731,522	754,259	726,508	726,508	726,508



Both of the graphs shown above show the actual water usage by class, and by block within the Single Family class, from 2003 through 2022. After 2022, the usage is projected to remain at approximately the 2022 levels of usage. The lower block graph is shown as a way to depict the trending in water usage more clearly. It shows that water usage was trending down from 2003 through 2010 and then remained fairly flat until 2015 when there was an unusually hot summer. It is generally understood that the downward trend prior to 2010 is a result of efforts made by utilities to educate users about the benefits of conserving water. Usage remained somewhat flat in 2016 through 2018 but was lower again in 2019 due to a cooler summer. During 2020 and 2021 the usage pattern seems to reflect higher year round usage in the lower blocks due to customers remaining at home during the COVID restrictions. 2022 appears to be a return to a more normal usage pattern in the lower blocks, but the summer peak was later in the year. Due to the inconsistent usage patterns over all during the last few years, 2022 will become the base year going forward. No attempt will be made to average in prior year usage patterns.

	Revenue Requirement Increases
	2023 - Budget
Projected Costs (Needs/Uses): Purchased Water and Power Employee Costs (net capitalization) Administration and O&M Taxes and Franchise Fees Debt Service (principal and Interest) Capital Transfer Vehicle Replacement Contribution Transfer to Preservation Account Transfer to Extraordinary Maint. Account Total Projected Costs (Needs/Uses) Less Other Revenue (<i>Interest, Late Fees, Antenna Rents, Hookup Fees</i>) Additions to (Use of) Reserves	2023 \$ 1,523,740 2,151,818 1,185,460 924,289 1,083,019 1,300,000 88,000 50,000 20,000 \$ 8,326,325 (572,605) 13,761
Rate Revenues Required (Revenue Req)	\$ 7,767,481
Less Revenues at Existing Rates	(7,468,732)
Revenue Short Fall	\$ 298,749
% Rate Revenue Increase Needed	4.00%



Rates

North City WATER DISTRICT				Water Rates & Charges				
2023 RATES - 4% INCREASE								
Meter Size		Meter Rate		Usage Rates				ERU Rate
Rate Code	Single Family Residential or Open Air Condominium			Usage	Usage	Usage	Usage	ERU
	BI-MONTHLY			0 - 4 CCF	5 - 10 CCF	11 t- 24 CCF	25 and > CCF	BI-MONTHLY
158	5/8 / 3/4		\$ 55.67	\$ 2.75	\$ 4.32	\$ 5.89	\$ 7.46	\$ 10.05
101	1"		103.13	2.75	4.32	5.89	7.46	10.05
115	1 ½"		178.00	2.75	4.32	5.89	7.46	10.05
102	2"		277.70	2.75	4.32	5.89	7.46	10.05
Rate Code	1" Flow-Through Residential Meters (domestic and fire protection)			Usage	Usage	Usage	Usage	ERU
	Billed Bi-Monthly			0 - 4 CCF	5 - 10 CCF	11 t- 24 CCF	25 and > CCF	BI-MONTHLY
159	1"		\$ 55.67	\$ 2.75	\$ 4.32	\$ 5.89	\$ 7.46	\$ 10.05
Rate Code	Non-Single Family - Multifamily			Usage		Water Use		ERU
	s			Threshold		Charge		BI-MONTHLY
558	5/8 / 3/4		\$ 55.67	0 and > CCF		\$ 4.79		\$ 10.05
501/521	1"		103.13	3 and > CCF		4.79		10.05
515/525	1 ½"		178.00	0 and > CCF		4.79		10.05
502/522	2"		277.70	0 and > CCF		4.79		10.05
503/523	3"		625.78	0 and > CCF		4.79		10.05
Rate Code	Non-Single Family - Multifamily			Usage		Water Use		ERU
	BI-MONTHLY/MONTHLY			Threshold		Charge		BI-MONTHLY
504/524	4"	\$ 920.12	\$ 460.06	0 and > CCF		\$ 4.79		\$ 10.05
506/526	6"	1,716.49	858.24	3 and > CCF		4.79		10.05
Rate Code	Non-Single Family - Commercial			Usage		Water Use		ERU
	BI-MONTHLY			Threshold		Charge		BI-MONTHLY
458	5/8 / 3/4		\$ 55.67	0 and > CCF		\$ 4.79		\$ 10.05
401	1"		103.13	3 and > CCF		4.79		10.05
415	1 ½"		178.00	0 and > CCF		4.79		10.05
402	2"		277.70	0 and > CCF		4.79		10.05
403	3"		625.78	0 and > CCF		4.79		10.05
404	4"		920.12	1 and > CCF		4.79		10.05
406	6"		1,716.49	2 and > CCF		4.79		10.05
408	8"		2,665.77	3 and > CCF		4.79		10.05
Rate Code	Non-Single Family - Municipal			Usage		Water Use		ERU
	BI-MONTHLY/MONTHLY			Threshold		Rate		BI-MONTHLY
118	5/8 / 3/4	\$ 55.67	\$ 27.83	0 and > CCF		\$ 4.79		\$ 10.05
111	1"	103.13	51.57	3 and > CCF		4.79		10.05
119	1 ½"	178.00	88.99	0 and > CCF		4.79		10.05
112	2"	277.70	138.84	0 and > CCF		4.79		10.05
113	3"	625.78	312.90	0 and > CCF		4.79		10.05
114	4"	920.12	460.06	1 and > CCF		4.79		10.05
Rate Code	Non-Single Family - Fircrest			Usage		Water Use		ERU
	BI-MONTHLY/MONTHLY			Threshold		Rate		BI-MONTHLY
626	6"	\$ 1,716.49	\$ 858.24	0 and > CCF		\$ 4.79		\$ 10.05
628	8"	2,665.77	1,332.89	0 and > CCF		4.79		10.05
Rate Code	LIFE SAVING MEDICAL TREATMENT			Usage		Usage		ERU
	Single Family Residential or Open Air Condominium			0 - 4 CCF	5 - 10 CCF	11 t- 24 CCF	25 and > CCF	BI-MONTHLY
358	5/8 / 3/4		\$ 55.67	0 and > CCF		\$ 5.89		\$ 10.05
301	1"		103.13	0 and > CCF		5.89		10.05
315	1 ½"		178.00	0 and > CCF		5.89		10.05
302	2"		277.70	0 and > CCF		5.89		10.05
Rate Code	Fire Sprinkler Service							
	BI-MONTHLY/MONTHLY							
F10	1.0"	\$ 11.14	\$ 5.57					
F15	1.5"	14.32	7.16					
F20	2"	23.07	11.54					
F30	3"	87.52	43.76					
F40	4"	111.39	55.69					
F60	6"	167.09	83.54					
F80	8"	230.74	115.36					
Rate Code	Irrigation			Usage		Water Use		
	BI-MONTHLY/MONTHLY			Threshold		Charge		
258/258	5/8 / 3/4	\$ 48.22	\$ 24.11	0 and > CCF		\$ 8.33		
211/211	1"	84.51	42.26	0 and > CCF		8.33		
215/215	1 ½"	140.75	70.38	0 and > CCF		8.33		
202/202	2"	218.10	109.05	0 and > CCF		8.33		
203/203	3"	506.59	253.30	0 and > CCF		8.33		
204/204	4"	733.88	366.94	0 and > CCF		8.33		
206/206	6"	1,344.02	672.01	0 and > CCF		8.33		
208/208	8"	2,069.81	1,034.91	0 and > CCF		8.33		
There is a 6% City Franchise Fee added to the customers total billing.								



Bi-Monthly Bill Comparisons

2023 - Budget

DISTRICT/CITY	Winter Usage - 11 CCF			Summer Usage - 20 CCF			Annualized
	Base Rate	Usage	Total	Base Rate	Usage	Total	Total
2023							
City of Duval	\$ 63.80	\$ 64.54	\$ 128.34	\$ 63.80	\$ 156.52	\$ 220.32	\$ 159.00
WD 119	\$ 96.00	\$ 34.90	\$ 130.90	\$ 96.00	\$ 111.76	\$ 207.76	\$ 156.52
Seattle Public Utilities-Shoreline & LFP	\$ 47.50	\$ 76.89	\$ 124.39	\$ 47.50	\$ 160.60	\$ 208.10	\$ 152.29
City of Mercer Island	\$ 47.64	\$ 66.16	\$ 113.80	\$ 47.64	\$ 152.28	\$ 199.92	\$ 142.51
City of Bellevue	\$ 64.36	\$ 55.46	\$ 119.82	\$ 64.36	\$ 119.17	\$ 183.53	\$ 141.06
Woodinville Water District	\$ 62.20	\$ 50.22	\$ 112.42	\$ 62.20	\$ 124.92	\$ 187.12	\$ 137.32
North City Water District	\$ 69.66	\$ 45.40	\$ 115.06	\$ 69.66	\$ 101.56	\$ 171.22	\$ 133.78
Seattle Public Utilities-inside Seattle	\$ 39.20	\$ 63.36	\$ 102.56	\$ 39.20	\$ 132.40	\$ 171.60	\$ 125.57
Skyway Water & Sewer District	\$ 44.12	\$ 57.83	\$ 101.95	\$ 44.12	\$ 126.60	\$ 170.72	\$ 124.87
Lake Forest Park Water District	\$ 67.30	\$ 42.97	\$ 110.27	\$ 67.30	\$ 78.13	\$ 145.43	\$ 121.99
Sammamish Plateau	\$ 68.46	\$ 28.96	\$ 97.42	\$ 68.46	\$ 78.43	\$ 146.89	\$ 113.91
City of Kirkland	\$ 49.41	\$ 41.43	\$ 90.84	\$ 49.41	\$ 94.69	\$ 144.11	\$ 108.60
WD 90	\$ 66.90	\$ 24.00	\$ 90.90	\$ 66.90	\$ 62.75	\$ 129.65	\$ 103.82
City of Bothell	\$ 39.04	\$ 43.76	\$ 82.80	\$ 39.04	\$ 94.48	\$ 133.51	\$ 99.70
Coal Creek	\$ 43.91	\$ 40.90	\$ 84.81	\$ 43.91	\$ 83.20	\$ 127.11	\$ 98.91
Highline Water District	\$ 34.07	\$ 46.17	\$ 80.24	\$ 34.07	\$ 95.56	\$ 129.63	\$ 96.70
Northshore Utility District	\$ 32.01	\$ 41.29	\$ 73.30	\$ 32.01	\$ 83.74	\$ 115.75	\$ 87.45
City of Renton	\$ 37.36	\$ 36.12	\$ 73.48	\$ 37.36	\$ 77.25	\$ 114.61	\$ 87.19
Olympic View Water & Sewer District	\$ 47.71	\$ 28.60	\$ 76.31	\$ 47.71	\$ 58.40	\$ 106.11	\$ 86.24

COMPUTATION OF A SINGLE FAMILY BI-MONTHLY WATER BILL FOR NCWD

Base Charge	2022 Bi-Monthly Bill		2023 Bi-Monthly Bill	
	11 CCF	20 CCF	11 CCF	20 CCF
Base Rate 5/8"	\$ 53.63	\$ 53.63	\$ 55.67	\$ 55.67
Fire Protection per 1 ERU	\$ 9.66	\$ 9.66	\$ 10.05	\$ 10.05
Franchise Fee (6% FF)	\$ 3.80	\$ 3.80	\$ 3.94	\$ 3.94
Total Base Charge	\$ 67.09	\$ 67.09	\$ 69.66	\$ 69.66
Consumption Charge (including 6% FF)	\$ 43.61	\$ 97.70	\$ 45.40	\$ 101.56
Total Bi-Monthly Beill	\$ 110.70	\$ 164.79	\$ 115.06	\$ 171.22
Consumption Rates	2022	2022 w FF	2023	2023 w FF
Block 1 = 0-4 ccf	\$ 2.64	\$ 2.80	\$ 2.75	\$ 2.92
Block 2 = 5-10 ccf	\$ 4.15	\$ 4.40	\$ 4.32	\$ 4.58
Block 3 = 11- 24 ccf	\$ 5.67	\$ 6.01	\$ 5.89	\$ 6.24
Block 4 = over 25 ccf	\$ 7.15	\$ 7.58	\$ 7.46	\$ 7.91



Forecast

	Financial Forecast							
	2022-2040							
OPERATING ACCOUNT	2022	2023	2024	2025	2026	2027	2028-2032	2033-2040
Sources:								
BEGINNING BALANCE	\$ 1,200,903	\$ 1,239,161	\$ 1,252,922	\$ 1,089,226	\$ 1,077,725	\$ 1,139,039	\$ 1,130,790	\$ 1,881,238
Rate Revenue Increase	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%		
REVENUE								
Net Interest Earnings	10,495	10,829	10,950	9,519	9,418	9,954	62,260	127,661
Fixed and Usage Service Revenue	6,203,881	6,452,036	6,710,118	6,978,523	7,257,664	7,547,970	43,509,953	96,807,102
All Other Service Revenues	1,264,850	1,315,444	1,368,062	1,422,785	1,479,696	1,538,884	8,870,830	19,737,079
Total Service Revenues	7,468,732	7,767,481	8,078,180	8,401,307	8,737,360	9,086,854	52,380,783	116,544,181
Total Other Revenues	678,244	561,776	536,335	553,421	571,093	556,693	3,098,189	6,322,181
TOTAL REVENUE	8,157,471	8,340,086	8,625,464	8,964,247	9,317,871	9,653,501	55,541,232	122,994,023
Total Sources	\$ 9,358,374	\$ 9,579,247	\$ 9,878,386	\$ 10,053,473	\$ 10,395,596	\$ 10,792,540	\$ 56,672,022	\$ 124,875,261
Uses:								
OPERATING COSTS								
Total Admin/Planning/Cust Service/Taxes	\$ 2,777,590	\$ 2,929,482	\$ 3,120,119	\$ 3,246,823	\$ 3,372,717	\$ 3,503,438	19,727,944	40,947,461
SPU Rate Increase	0% SPU Inc	0% SPU Inc	0% SPU Inc	0% SPU Inc	7% SPU Inc	7% SPU Inc		
Water Purchases	1,516,270	1,523,740	1,523,740	1,523,740	1,630,401	1,744,529	10,734,597	26,860,864
All Other O&M costs	1,222,627	1,332,085	1,405,364	1,461,579	1,516,413	1,573,314	8,798,051	17,929,504
TOTAL OPERATING COSTS	5,516,487	5,785,306	6,049,222	6,232,141	6,519,532	6,821,281	39,260,592	85,737,829
CAPITAL COSTS								
Transfer to Vehicle Replacement Account	85,000	88,000	92,000	96,000	100,000	104,000	583,000	1,204,000
Transfer to Capital in Lieu of Depreciation	1,300,000	1,300,000	1,500,000	1,500,000	1,500,000	1,600,000	7,400,000	18,000,000
Total Debt Service (Net of Capitalization)	1,128,363	1,083,019	1,076,937	1,075,767	1,064,420	1,063,073	7,417,342	17,557,763
TOTAL CAPITAL COSTS	2,513,363	2,471,019	2,668,937	2,671,767	2,664,420	2,767,073	15,400,342	36,761,763
Transfer to Preservation Account	50,000	50,000	50,000	50,000	50,000	50,000	-	-
Transfer to Extraordinary Maint. Account	40,000	20,000	21,000	21,840	22,604	23,396	129,849	260,318
Transfer in from Other Accounts	(637)	-	-	-	-	-	-	-
Total Uses	\$ 8,119,213	\$ 8,326,325	\$ 8,789,160	\$ 8,975,748	\$ 9,256,557	\$ 9,661,750	\$ 54,790,783	\$ 122,759,911
ENDING BALANCE - OPERATING ACCOUNT	\$ 1,239,161	\$ 1,252,922	\$ 1,089,226	\$ 1,077,725	\$ 1,139,039	\$ 1,130,790	\$ 1,881,238	\$ 2,115,351
CAPITAL ACCOUNT	2022	2023	2024	2025	2026	2027	2028-2032	2033-2040
Sources:								
BEGINNING BALANCE	\$ 5,771,840	\$ 8,645,899	\$ 4,907,340	\$ 4,344,241	\$ 6,641,150	\$ 6,021,972	\$ 5,735,045	\$ 10,535,151
Transfer from Operations in Lieu of Depreciation	1,300,000	1,300,000	1,500,000	1,500,000	1,500,000	1,600,000	7,300,000	18,000,000
New Bond Proceeds	-	-	-	-	-	-	-	-
Total Other Sources of Funds	3,681,917	226,076	180,735	2,673,281	313,885	139,705	22,904,935	11,068,187
Total Sources	\$ 10,753,757	\$ 10,171,975	\$ 6,588,076	\$ 8,517,522	\$ 8,455,035	\$ 7,761,677	\$ 35,939,980	\$ 39,603,338
Total Uses	\$ 2,107,859	\$ 5,264,634	\$ 2,243,835	\$ 1,876,372	\$ 2,433,063	\$ 2,026,632	\$ 25,404,829	\$ 29,345,566
ENDING BALANCE - CAPITAL ACCOUNT	\$ 8,645,899	\$ 4,907,340	\$ 4,344,241	\$ 6,641,150	\$ 6,021,972	\$ 5,735,045	\$ 10,535,151	\$ 10,257,772
OTHER FUNDS / ACCOUNTS	2022	2023	2024	2025	2026	2027	2028-2032	2033-2040
END BAL - VEHICLE REPLACEMENT ACCOUNT	\$ 672,805	\$ 474,597	\$ 393,652	\$ 349,128	\$ 303,927	\$ 213,430	\$ 319,628	\$ 553,329
END BAL - EXTRAORDINARY MAINT ACCOUNT	\$ 40,300	\$ 60,700	\$ 82,302	\$ 104,959	\$ 128,606	\$ 153,278	\$ 140,392	\$ 172,493
ENDING BALANCE - PRESERVATION ACCOUNT	\$ 424,257	\$ 477,726	\$ 531,632	\$ 585,979	\$ 640,770	\$ -	\$ -	\$ -
ENDING BALANCE - RETAINAGE ACCOUNT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ENDING BALANCE - DEV DEPOSITS ACCOUNT	\$ 396,194	\$ 1,337,706	\$ 1,337,706	\$ 50,000	\$ 436,404	\$ 436,404	\$ -	\$ -
ENDING BALANCE - BOND FUND	\$ 118,977	\$ 121,000	\$ 123,023	\$ 125,046	\$ 127,069	\$ 129,092	\$ 139,207	\$ 147,299
Ending Bal - All District Cash	\$ 11,537,592	\$ 8,631,991	\$ 7,901,782	\$ 8,933,987	\$ 8,797,787	\$ 7,798,038	\$ 13,015,616	\$ 13,246,244

