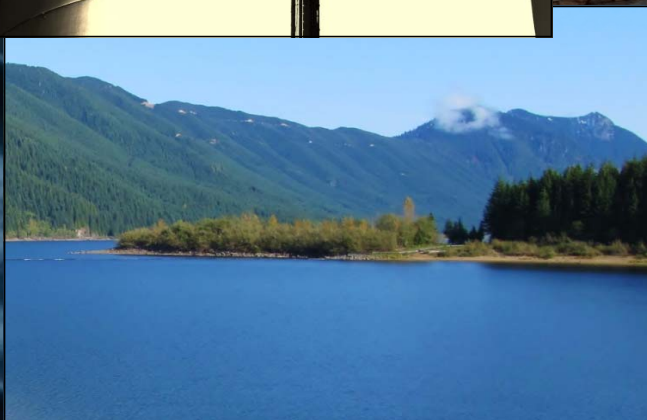


# NORTH CITY Water District



## 2017-2018 Budget

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**Commissioners:**

Ron Ricker

Charlotte Haines

Larry Schoonmaker

**District Manager:**

Diane Pottinger, P.E.

December 20, 2016

Commissioners Haines, Ricker and Schoonmaker-

Attached please find North City Water District's Proposed Budget for 2017-2018. This is the first two year budget the District has had. The purpose of this two year budget is to guide our District's decision-making over the coming years as we finalize our new North City Pump Station project and begin planning for, designing and constructing our new maintenance facility. You will see that we continue to strive to improve the District's efficiencies as we were able to continue operating effectively and efficiently as expected by our rate payers. At the same time of improved efficiencies, we reduced our water usage forecast.

**Highlights of our 2016 Achievements:**

- Implemented a new epayment system to include payments by credit card.
- Completed two audits; a Financial Audit and a Federal Single Audit 2015.
- Closed out several water system extension agreements.
- Completed an extensive Connection Charge Study
  - Eliminated the ERU (from the 2011 study) and used actual square footage
  - Separated the charge between capacity and fire for all customer classes
- Reaffirmed the District's Aa3 rating.
- Issued \$7,685,000 in 30 year water revenue bonds for capital projects.
- Completed an extensive review of the District's Personnel Manual.
- Reviewed and updated the District's Board Room Use Policy.
- Updated many sections of the District Code.
- Began two, three year programs for Engineering Services and a Small Works Roster.
- Selected an architect to help with the new Maintenance Facility.
- Educated our community about water supply by:
  - Water quality issues in the District in comparison to Flint MI, Tacoma and Seattle water systems
  - Successfully completed the 5th year of our Fix a Leak Challenge;
  - Hosted two Savvy Gardener Classes;
  - Participated in the Healthy Kids Day YMCA, North City Jazz Walk, Ridgecrest Ice Cream Social, and Celebrate Shoreline and the North City Business District's Tree Lighting events.
- Reinvested into our water system by:
  - Continued construction on the North City Pump Station;
  - Completed installation of two water quality supply stations;
  - Completed upgrading our water main as part of the City of Lake Forest Park's NE 178th Street Project;
  - Completed a successful one year inspection of the District's 3.7 MG Reservoir improvement projects.
  - Continued to maintain and upgrade the District hydrants and valves;

*Excellence in water quality for over 80 years*

- Participated in the Regional Cascadia Rising Event.
- Began discussions to annex customers along the south side of NE 178th Street known at the Brookside Annexation.
- Began negotiations with Sound Transit for a Relocation and Water System Extension agreement.
- Staff presented papers on several topics at several AWWA and WASWD events.
- Staff and commissioners actively participated in numerous activities for both WASWD and AWWA.

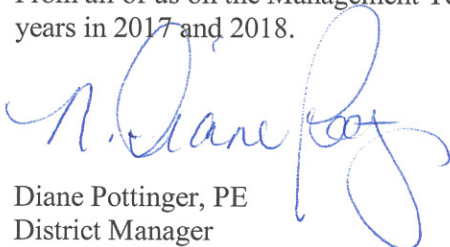
**Goals During the Upcoming 2017-2018 Fiscal Years:**

- Begin outsourcing payroll checks and tax reporting.
- Complete a Cost of Service Study.
- Update the Connection Charge
- Update the financial policies, miscellaneous fees and charges as part of the North City Water District Code.
- Reinvest into our water system by:
  - Complete construction of the North City Pump Station
  - Complete the Master Site Plan, design and begin construction of the new Maintenance Building
  - Install four new water quality sampling stations
  - Update two PRV stations
- Complete negotiations with Sound Transit for a Relocation and Water System Extension Agreement and complete the 90% review of the relocation and installation of new water mains and services for the light rail system within the District's service area.
- Replace the District's Vacuum Truck and two additional vehicles as part of our Vehicle Replacement Program.
- Recalibrate the District's hydraulic model (upon completion of the North City Pump Station)
- Make staffing changes to better fit with our organizational needs and update District job descriptions to reflect the changes.
- Maintain and paint the remainder of the District's fire hydrants
- Complete the review and update District's easements
- Begin collecting GIS coordinate data for the District assets and reconcile to the Fixed Asset schedule.

**Impact to Rate Payers**

Management is proposing a 4.7% rate increase for 2017 and a 3% rate increase for 2018 to all of our customers to cover additional costs related to inflation and to address capital infrastructure needs. These rate increases are in anticipation of SPU wholesale rate increases expected for the 2018-2020 period.


From all of us on the Management Team, we are truly looking forward to two successful years in 2017 and 2018.

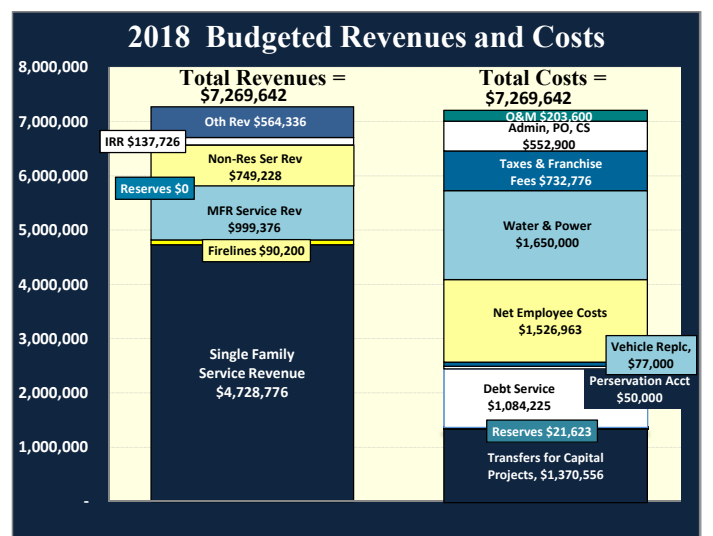
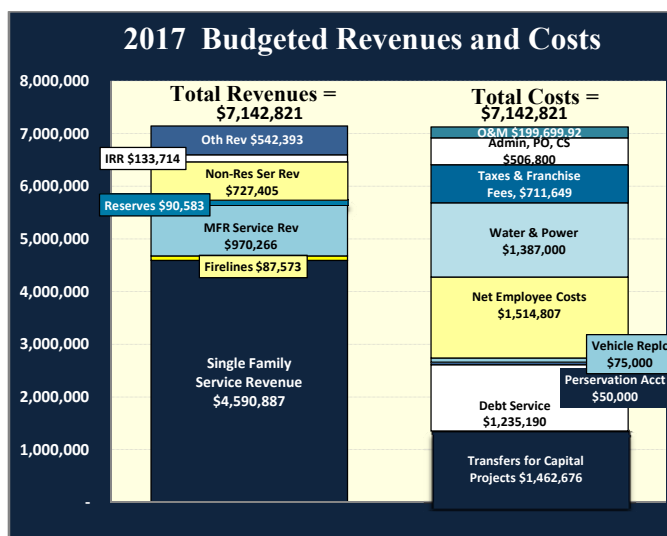


Diane Pottinger, PE  
District Manager



## **Budget at a Glance**

	Operating Budget at a Glance								
	2017-2018 - Budget								
	2015 Actual	2016 Budget	2016 Projected Year-End	2017 Budget	Chg 2017 Budget - 2016 YE	Percent Change	2018 Budget	Change 2018 - 2017 Budget	Percent Change
<b>Revenue</b>									
SERVICE REVENUE:									
SINGLE FAMILY	\$ 4,504,253	\$ 4,585,271	\$ 4,506,209	\$ 4,590,887	\$ 84,678	2%	\$ 4,728,776	\$ 137,889	3%
MULTI - FAMILY	915,208	909,894	926,166	970,266	44,100	5%	999,376	29,109	3%
NON-RESIDENTIAL	703,604	701,074	696,484	727,405	30,921	4%	749,228	21,823	3%
IRRIGATION	183,550	131,519	136,590	133,714	(2,876)	-2%	137,726	4,012	3%
FIRELINES	81,789	83,072	83,753	87,573	3,820	5%	90,200	2,627	3%
TOTAL SERVICE REVENUE	6,388,405	6,410,830	6,349,202	6,509,845	160,643	3%	6,705,306	195,461	3%
OTHER REVENUE	611,103	563,826	567,067	542,393	(24,674)	-4%	564,336	21,943	4%
<b>Total Revenue</b>	<b>6,999,507</b>	<b>6,974,656</b>	<b>6,916,268</b>	<b>7,052,238</b>	<b>135,970</b>	<b>2%</b>	<b>7,269,642</b>	<b>217,404</b>	<b>3%</b>
<b>Net Use of Reserves</b>		107,047		90,583	98,651			(90,583)	
<b>Total Revenues</b>	<b>\$ 6,999,507</b>	<b>\$ 7,081,704</b>	<b>\$ 6,916,268</b>	<b>\$ 7,142,821</b>	<b>\$ 234,620</b>	<b>3.4%</b>	<b>\$ 7,269,642</b>	<b>\$ 126,821</b>	<b>1.8%</b>
<b>Costs</b>									
<b>Operating Costs</b>									
BUSINESS ADMINISTRATION	142,163	172,100	155,800	152,400	(3,400)	-2%	180,200	27,800	18%
PLANNING AND DEVELOPMENT	68,838	66,000	7,200	21,000	13,800	20%	23,000	2,000	10%
PUBLIC AND REGIONAL OUTREACH <sup>1</sup>	53,997	61,300	57,600	60,800	3,200	6%	62,100	1,300	2%
OFFICE AND RECORDS MANAGEMENT	203,617	189,700	192,800	201,700	8,900	4%	215,200	13,500	7%
CUSTOMER SERVICE AND BILLING	44,857	52,100	56,300	63,000	6,700	15%	64,300	1,300	2%
PURCHASED WATER AND POWER	1,501,184	1,468,815	1,387,361	1,387,000	(361)	0%	1,650,000	263,000	19%
OPERATIONS AND MAINTENANCE	308,173	220,300	220,800	199,700	(21,100)	-7%	203,600	3,900	2%
TAXES AND FRANCHISE FEES	691,449	709,500	692,789	711,649	18,860	3%	732,776	21,127	3%
PASS-THRU COSTS	6,776	7,900	7,800	7,900	100	1%	8,100	200	3%
EMPLOYEE COSTS (Net Capitalization)	1,570,004	1,621,625	1,587,126	1,514,807	(72,320)	-5%	1,526,963	12,156	1%
<b>Total Operating Costs</b>	<b>4,591,058</b>	<b>4,569,338</b>	<b>4,365,576</b>	<b>4,319,955</b>	<b>(45,621)</b>	<b>-1%</b>	<b>4,666,239</b>	<b>346,283</b>	<b>8%</b>
<b>Capital Costs</b>									
DEBT SERVICE (Net Capitalization)	688,462	866,145	646,740	1,235,190	588,450	85%	1,084,225	(150,965)	-12%
CAPITAL TRANSFERS	1,343,823	1,551,221	1,750,884	1,462,676	(288,208)	-21%	1,370,556	(92,120)	-6%
VEHICLE REPLACEMENT TRANSFER	133,037	95,000	95,000	75,000	(20,000)	-15%	77,000	2,000	3%
<b>Total Capital Costs</b>	<b>2,165,322</b>	<b>2,512,366</b>	<b>2,492,624</b>	<b>2,772,866</b>	<b>280,242</b>	<b>13%</b>	<b>2,531,781</b>	<b>(241,085)</b>	<b>-9%</b>
TRANSFER TO PRESERVATION ACCT			50,000	50,000	-	n/a	50,000	-	
<b>Net Additions to Reserves</b>	<b>243,128</b>		<b>8,068</b>				<b>21,623</b>	<b>21,623</b>	<b>n/a</b>
<b>Total Costs</b>	<b>\$ 6,999,507</b>	<b>\$ 7,081,704</b>	<b>\$ 6,916,268</b>	<b>\$ 7,142,821</b>	<b>\$ 234,620</b>	<b>3.4%</b>	<b>\$ 7,269,642</b>	<b>\$ 126,821</b>	<b>1.8%</b>



<sup>1)</sup> The 2016 budget included \$50,000 for projects related to maintaining the District as a separate entity. In 2016 this amount was deposited to a special account called the Preservation Account. In the future this amount will be shown separately in the budget.



## **Operating Costs**





**Summary of Operating Costs in Detail by Object (Type) and Function (Purpose)**

2017 - Budget	2015	2016	2016 YE	2017	Business	Cust	O&M	Source of		Meters &	Dist		Labor -
	Actual	Budget	Projected	Budget	Admin	Service & Billing	General & Admin	Supply & Pump	Storage	Services	System	Hydrants	Alloc to Capital
<b>BUSINESS ADMINISTRATION</b>													
Legal Services	52,666	58,000	41,900	45,000	45,000	-	-	-	-	-	-	-	-
Financial Services	16,177	20,000	19,700	15,000	15,000	-	-	-	-	-	-	-	-
Insurance	70,779	71,000	80,500	89,300	58,000	-	31,300	-	-	-	-	-	-
Elections	-	20,000	11,400	-	-	-	-	-	-	-	-	-	-
Miscellaneous & Other	2,541	3,100	2,300	3,100	3,100	-	-	-	-	-	-	-	-
<b>TOTAL BUSINESS ADMINISTRATION</b>	<b>142,163</b>	<b>172,100</b>	<b>155,800</b>	<b>152,400</b>	<b>121,100</b>	<b>-</b>	<b>31,300</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>PLANNING &amp; DEVELOPMENT</b>													
Professional Services	68,838	65,000	6,400	20,000	20,000	-	-	-	-	-	-	-	-
Other Planning & Development	-	1,000	800	1,000	1,000	-	-	-	-	-	-	-	-
<b>TOTAL PLANNING &amp; DEVELOPMENT</b>	<b>68,838</b>	<b>66,000</b>	<b>7,200</b>	<b>21,000</b>	<b>21,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>PUBLIC &amp; REGIONAL OUTREACH</b>													
Regional Dues & Memberships	23,732	20,000	17,800	19,000	19,000	-	-	-	-	-	-	-	-
Newsletters/Website/Special Events	27,030	38,500	37,800	39,000	39,000	-	-	-	-	-	-	-	-
Other Public Outreach	3,235	2,800	2,000	2,800	2,800	-	-	-	-	-	-	-	-
<b>TOTAL PUBLIC &amp; REGIONAL OUTREACH</b>	<b>53,997</b>	<b>61,300</b>	<b>57,600</b>	<b>60,800</b>	<b>60,800</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>OFFICE &amp; RECORDS MANAGEMENT</b>													
General Office Expense	5,566	6,600	5,100	6,600	6,600	-	-	-	-	-	-	-	-
Office Supplies & Equipment	14,376	17,300	17,100	17,500	15,500	-	2,000	-	-	-	-	-	-
Computer Systems	105,175	94,800	77,400	93,000	69,000	-	24,000	-	-	-	-	-	-
Phones & Internet	19,509	19,000	31,900	25,000	13,000	-	12,000	-	-	-	-	-	-
Building & Grounds Maint & Repair	58,991	52,000	61,300	59,600	46,200	-	13,400	-	-	-	-	-	-
<b>TOTAL OFFICE &amp; RECORDS MANAGEMENT</b>	<b>203,617</b>	<b>189,700</b>	<b>192,800</b>	<b>201,700</b>	<b>150,300</b>	<b>-</b>	<b>51,400</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>CUSTOMER SERVICE &amp; BILLING</b>													
Billing	38,760	46,000	48,100	55,000	-	55,000	-	-	-	-	-	-	-
Reporting	6,097	6,100	8,200	8,000	-	8,000	-	-	-	-	-	-	-
<b>TOTAL CUSTOMER SERVICE &amp; BILLING</b>	<b>44,857</b>	<b>52,100</b>	<b>56,300</b>	<b>63,000</b>	<b>-</b>	<b>63,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>PURCHASED WATER &amp; POWER</b>													
Water	1,479,224	1,446,815	1,354,061	1,354,000	-	-	-	1,354,000	-	-	-	-	-
Power	21,960	22,000	33,300	33,000	-	-	-	33,000	-	-	-	-	-
<b>TOTAL PURCHASED WATER &amp; POWER</b>	<b>1,501,184</b>	<b>1,468,815</b>	<b>1,387,361</b>	<b>1,387,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,387,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>OPERATIONS &amp; MAINTENANCE</b>													
Professional & Other Outside Service	61,565	26,000	39,000	25,000	-	-	25,000	-	-	-	-	-	-
Supplies & Materials	128,823	119,000	93,900	100,000	-	-	29,000	1,000	-	11,000	57,000	2,000	-
Small Tools & Equipment	3,535	10,000	3,300	3,500	-	-	3,500	-	-	-	-	-	-
Telemetry	13,016	14,000	9,800	14,000	-	-	-	14,000	-	-	-	-	-
Field Vehicle Expense	79,767	34,200	55,300	37,200	-	-	37,200	-	-	-	-	-	-
Miscellaneous	21,467	17,100	19,500	20,000	-	-	14,000	-	-	1,000	5,000	-	-
<b>TOTAL OPERATIONS &amp; MAINTENANCE</b>	<b>308,173</b>	<b>220,300</b>	<b>220,800</b>	<b>199,700</b>	<b>-</b>	<b>-</b>	<b>108,700</b>	<b>15,000</b>	<b>-</b>	<b>12,000</b>	<b>62,000</b>	<b>2,000</b>	<b>-</b>
<b>TAXES &amp; FRANCHISE FEES</b>													
Taxes	324,520	346,000	332,122	335,578	329,578	-	6,000	-	-	-	-	-	-
Franchise fees	368,929	363,500	360,667	376,071	376,071	-	-	-	-	-	-	-	-
<b>TOTAL TAXES &amp; FRANCHISE FEES</b>	<b>691,449</b>	<b>709,500</b>	<b>692,789</b>	<b>711,649</b>	<b>705,649</b>	<b>-</b>	<b>6,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>PASS-THRU COSTS</b>													
Street Lights/ Charge Point	6,776	7,900	7,800	7,900	7,900	-	-	-	-	-	-	-	-
<b>TOTAL PASS-THRU COSTS</b>	<b>6,776</b>	<b>7,900</b>	<b>7,800</b>	<b>7,900</b>	<b>7,900</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>EMPLOYEE COSTS</b>													
Travel & Training	38,071	40,300	39,200	48,616	33,616	-	15,000	-	-	-	-	-	-
Other Employee Costs	12,993	7,500	19,900	10,500	4,500	-	6,000	-	-	-	-	-	-
Outsourced Payroll Costs	2,216	-	-	6,000	6,000	-	-	-	-	-	-	-	-
Direct Payroll Costs	1,180,193	1,210,616	1,217,067	1,207,998	420,893	147,618	187,397	12,406	13,911	47,053	65,398	25,151	288,170
Payroll Benefits	498,795	543,317	536,760	568,895	206,590	68,853	218,698	2,706	3,029	10,242	14,273	5,471	39,033
Payroll Allocations to Capital	(162,264)	(180,108)	(225,800)	(327,203)	-	-	-	-	-	-	-	-	(327,203)
<b>TOTAL EMPLOYEE COSTS</b>	<b>1,570,004</b>	<b>1,621,625</b>	<b>1,587,126</b>	<b>1,514,807</b>	<b>671,599</b>	<b>216,472</b>	<b>427,095</b>	<b>15,112</b>	<b>16,940</b>	<b>57,296</b>	<b>79,671</b>	<b>30,623</b>	<b>-</b>
<b>TOTAL OPERATING COSTS</b>	<b>4,591,058</b>	<b>4,569,338</b>	<b>4,365,576</b>	<b>4,319,955</b>	<b>1,738,348</b>	<b>279,472</b>	<b>624,495</b>	<b>1,417,112</b>	<b>16,940</b>	<b>69,296</b>	<b>141,671</b>	<b>32,622</b>	<b>-</b>







2017 - Detail Budget

	2015 Actual Accrual	2016 Cash Budget	2016 YE Projected	2017 Budget	Business Admin	Admin - To All Functions	Admin - By Customers	Admin - General	Admin - Planning	Public Outreach Commissioners	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	Hydrant	Labor - Alloc to Capital	
					Functions >		10	11	13	14	20		50	51	53	31		30	42		41	37	38		39		33	34	43		32	36	40	35			
<b>Other Public Outreach</b>																																					
Other Professional Services 525100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Miscellaneous Public Outreach 525200	3,235	2,800	2,000	2,800	2,800	-	2,800	-	-	2,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Other Public Outreach</b>	<b>3,235</b>	<b>2,800</b>	<b>2,000</b>	<b>2,800</b>	<b>2,800</b>	<b>-</b>	<b>2,800</b>	<b>-</b>	<b>-</b>	<b>2,800</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>TOTAL PUBLIC &amp; REGIONAL OUTREACH</b>	<b>53,997</b>	<b>61,300</b>	<b>57,600</b>	<b>60,800</b>	<b>60,800</b>	<b>-</b>	<b>60,800</b>	<b>-</b>	<b>-</b>	<b>60,800</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>OFFICE &amp; RECORDS MANAGEMENT</b>																																					
<b>General Office Expense</b>																																					
Postage 530100	2,105	3,000	2,200	3,000	3,000	-	3,000	3,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Courier Services 530200	550	600	500	600	600	-	600	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Miscellaneous Office/Shop Expense 530300	2,911	3,000	2,400	3,000	3,000	-	3,000	3,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Temp Office Rent Expense 530400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>General Office Expense</b>	<b>5,566</b>	<b>6,600</b>	<b>5,100</b>	<b>6,600</b>	<b>6,600</b>	<b>-</b>	<b>6,600</b>	<b>6,600</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Office Supplies &amp; Equipment</b>																																					
Office Supplies 531100	12,288	15,500	14,900	15,000	14,000	-	14,000	14,000	-	-	-	-	-	-	-	-	-	1,000	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Equipment & Small Tools 531300	2,088	1,800	2,200	2,500	1,500	-	1,500	1,500	-	-	-	-	-	-	-	-	-	1,000	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Office Supplies &amp; Equipment</b>	<b>14,376</b>	<b>17,300</b>	<b>17,100</b>	<b>17,500</b>	<b>15,500</b>	<b>-</b>	<b>15,500</b>	<b>15,500</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,000</b>	<b>2,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Computer Systems</b>																																					
Computer Supplies 532100	1,024	3,000	300	3,000	3,000	-	3,000	3,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Computers & Printers 532200	-	-	900	2,000	2,000	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Software 532300	11,179	6,800	2,900	3,000	1,000	-	1,000	1,000	-	-	-	-	-	-	-	-	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Maintenance Agreements 532350	16,874	15,000	20,400	30,000	20,000	-	20,000	20,000	-	-	-	-	-	-	-	-	-	10,000	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Professional Services - Computer 532400	76,098	70,000	52,900	55,000	43,000	-	43,000	43,000	-	-	-	-	-	-	-	-	-	12,000	12,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Computer Systems</b>	<b>105,175</b>	<b>94,800</b>	<b>77,400</b>	<b>93,000</b>	<b>69,000</b>	<b>-</b>	<b>69,000</b>	<b>69,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>24,000</b>	<b>24,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Phones &amp; Internet</b>																																					
Cell Phones 534200	6,250	6,000	6,900	7,000	4,000	-	4,000	4,000	-	-	-	-	-	-	-	-	-	3,000	3,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Alarm Monitoring 534300	3,150	3,000	3,200	3,000	1,000	-	1,000	1,000	-	-	-	-	-	-	-	-	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Phone System & Internet 534400	10,109	10,000	21,800	15,000	8,000	-	8,000	8,000	-	-	-	-	-	-	-	-	-	7,000	7,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Phones &amp; Internet</b>	<b>19,509</b>	<b>19,000</b>	<b>31,900</b>	<b>25,000</b>	<b>13,000</b>	<b>-</b>	<b>13,000</b>	<b>13,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>12,000</b>	<b>12,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Building &amp; Grounds - Maintenance &amp; Operations</b>																																					
<b>Custodial</b>																																					
Kitchen / Custodial Supplies 535200	4,263	4,500	4,700	5,000	5,000	-	5,000	5,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Custodial Services 535300	8,386	8,000	9,700	10,000	9,000	-	9,000	9,000	-	-	-	-	-	-	-	-	-	1,000	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Custodial</b>	<b>12,648</b>	<b>12,500</b>	<b>14,400</b>	<b>15,000</b>	<b>14,000</b>	<b>-</b>	<b>14,000</b>	<b>14,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,000</b>	<b>1,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Utilites</b>																																					
Utilites - Electric 536100	22,962	20,000	22,400	22,000	18,000	-	18,000	18,000	-	-	-	-	-	-	-	-	-	4,000	4,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Utilites - Garbage 536200	4,780	5,000	4,400	4,500	2,000	-	2,000	2,000	-	-	-	-	-	-	-	-	-	2,500	2,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Utilites - Sewer 536300	2,740	3,000	3,000	3,000	1,000	-	1,000	1,000	-	-	-	-	-	-	-	-	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Utilites - Gas 536400	1,841	3,000	3,500	3,500	1,000	-	1,000	1,000	-	-	-	-	-	-	-	-	-	2,500	2,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>Utilites</b>	<b>32,323</b>	<b>31,000</b>	<b>33,300</b>	<b>33,000</b>	<b>22,000</b>	<b>-</b>	<b>22,000</b>	<b>22,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>11,000</b>	<b>11,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>		
<b>Maintenance &amp; Repairs</b>																																					
Maintenance - Buildings 537100	3,775	1,500	4,800	3,000	2																																









**Summary of Operating Costs in Detail by Object (Type) and Function (Purpose)**

2018 - Budget	2016	2016 YE	2017 Cash	2018	Business	Cust	O&M	Source of		Meters &	Dist		Labor -
	Budget	Projected	Budget	Budget	Admin	Service &	General &	Supply &	Storage	Services	System	Hydrants	Alloc to
<b>BUSINESS ADMINISTRATION</b>													
Legal Services	58,000	41,900	45,000	45,800	45,800	-	-	-	-	-	-	-	-
Financial Services	20,000	19,700	15,000	27,000	27,000	-	-	-	-	-	-	-	-
Insurance	71,000	80,500	89,300	89,300	58,000	-	31,300	-	-	-	-	-	-
Elections	20,000	11,400	-	15,000	15,000	-	-	-	-	-	-	-	-
Miscellaneous & Other	3,100	2,300	3,100	3,100	3,100	-	-	-	-	-	-	-	-
<b>TOTAL BUSINESS ADMINISTRATION</b>	<b>172,100</b>	<b>155,800</b>	<b>152,400</b>	<b>180,200</b>	<b>148,900</b>	<b>-</b>	<b>31,300</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>PLANNING &amp; DEVELOPMENT</b>													
Professional Services	65,000	6,400	20,000	22,000	22,000	-	-	-	-	-	-	-	-
Other Planning & Development	1,000	800	1,000	1,000	1,000	-	-	-	-	-	-	-	-
<b>TOTAL PLANNING &amp; DEVELOPMENT</b>	<b>66,000</b>	<b>7,200</b>	<b>21,000</b>	<b>23,000</b>	<b>23,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>PUBLIC &amp; REGIONAL OUTREACH</b>													
Regional Dues & Memberships	20,000	17,800	19,000	19,400	19,400	-	-	-	-	-	-	-	-
Newsletters/Website/Special Events	38,500	37,800	39,000	39,800	39,800	-	-	-	-	-	-	-	-
Other Public Outreach	2,800	2,000	2,800	2,900	2,900	-	-	-	-	-	-	-	-
<b>TOTAL PUBLIC &amp; REGIONAL OUTREACH</b>	<b>61,300</b>	<b>57,600</b>	<b>60,800</b>	<b>62,100</b>	<b>62,100</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>OFFICE &amp; RECORDS MANAGEMENT</b>													
General Office Expense	6,600	5,100	6,600	6,700	6,700	-	-	-	-	-	-	-	-
Office Supplies & Equipment	17,300	17,100	17,500	17,900	15,900	-	2,000	-	-	-	-	-	-
Computer Systems	94,800	77,400	93,000	104,300	79,900	-	24,400	-	-	-	-	-	-
Phones & Internet	19,000	31,900	25,000	25,500	13,300	-	12,200	-	-	-	-	-	-
Building & Grounds Maint & Repair	52,000	61,300	59,600	60,800	47,100	-	13,700	-	-	-	-	-	-
<b>TOTAL OFFICE &amp; RECORDS MANAGEMENT</b>	<b>189,700</b>	<b>192,800</b>	<b>201,700</b>	<b>215,200</b>	<b>162,900</b>	<b>-</b>	<b>52,300</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>CUSTOMER SERVICE &amp; BILLING</b>													
Billing	46,000	48,100	55,000	56,100	-	56,100	-	-	-	-	-	-	-
Reporting	6,100	8,200	8,000	8,200	-	8,200	-	-	-	-	-	-	-
<b>TOTAL CUSTOMER SERVICE &amp; BILLING</b>	<b>52,100</b>	<b>56,300</b>	<b>63,000</b>	<b>64,300</b>	<b>-</b>	<b>64,300</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>PURCHASED WATER &amp; POWER</b>													
Water	1,446,815	1,354,061	1,354,000	1,625,000	-	-	-	1,625,000	-	-	-	-	-
Power	22,000	33,300	33,000	25,000	-	-	-	25,000	-	-	-	-	-
<b>TOTAL PURCHASED WATER &amp; POWER</b>	<b>1,468,815</b>	<b>1,387,361</b>	<b>1,387,000</b>	<b>1,650,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,650,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>OPERATIONS &amp; MAINTENANCE</b>													
Professional & Other Outside Service	26,000	39,000	25,000	25,500	-	-	25,500	-	-	-	-	-	-
Supplies & Materials	119,000	93,900	100,000	101,900	-	-	29,600	1,000	-	11,200	58,100	2,000	-
Small Tools & Equipment	10,000	3,300	3,500	3,600	-	-	3,600	-	-	-	-	-	-
Telemetry	14,000	9,800	14,000	14,300	-	-	-	14,300	-	-	-	-	-
Field Vehicle Expense	34,200	55,300	37,200	37,900	-	-	37,900	-	-	-	-	-	-
Miscellaneous	17,100	19,500	20,000	20,400	-	-	14,200	-	-	1,000	5,200	-	-
<b>TOTAL OPERATIONS &amp; MAINTENANCE</b>	<b>220,300</b>	<b>220,800</b>	<b>199,700</b>	<b>203,600</b>	<b>-</b>	<b>-</b>	<b>110,800</b>	<b>15,300</b>	<b>-</b>	<b>12,200</b>	<b>63,300</b>	<b>2,000</b>	<b>-</b>
<b>TAXES &amp; FRANCHISE FEES</b>													
Taxes	346,000	332,122	335,578	345,414	339,314	-	6,100	-	-	-	-	-	-
Franchise fees	363,500	360,667	376,071	387,362	387,362	-	-	-	-	-	-	-	-
<b>TOTAL TAXES &amp; FRANCHISE FEES</b>	<b>709,500</b>	<b>692,789</b>	<b>711,649</b>	<b>732,776</b>	<b>726,676</b>	<b>-</b>	<b>6,100</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>PASS-THRU COSTS</b>													
Street Lights/ Charge Point	7,900	7,800	7,900	8,100	8,100	-	-	-	-	-	-	-	-
<b>TOTAL PASS-THRU COSTS</b>	<b>7,900</b>	<b>7,800</b>	<b>7,900</b>	<b>8,100</b>	<b>8,100</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>EMPLOYEE COSTS</b>													
Travel & Training	40,300	39,200	48,616	49,500	34,200	-	15,300	-	-	-	-	-	-
Other Employee Costs	7,500	19,900	10,500	10,700	4,600	-	6,100	-	-	-	-	-	-
Outsourced Payroll Costs	-	-	6,000	6,100	6,100	-	-	-	-	-	-	-	-
Direct Payroll Costs	1,210,616	1,217,067	1,207,998	1,203,986	400,709	150,500	206,265	12,800	14,200	48,100	66,700	25,600	279,112
Payroll Benefits	543,317	536,760	568,895	576,289	208,089	70,000	220,900	2,700	3,100	10,600	14,700	5,700	40,500
Payroll Allocations to Capital	(180,108)	(225,800)	(327,203)	(319,612)	-	-	-	-	-	-	-	-	(319,612)
<b>TOTAL EMPLOYEE COSTS</b>	<b>1,621,625</b>	<b>1,587,126</b>	<b>1,514,807</b>	<b>1,526,963</b>	<b>653,698</b>	<b>220,500</b>	<b>448,565</b>	<b>15,500</b>	<b>17,300</b>	<b>58,700</b>	<b>81,400</b>	<b>31,300</b>	<b>-</b>
<b>TOTAL OPERATING COSTS</b>	<b>4,569,338</b>	<b>4,365,576</b>	<b>4,319,955</b>	<b>4,666,239</b>	<b>1,785,374</b>	<b>284,800</b>	<b>649,065</b>	<b>1,680,800</b>	<b>17,300</b>	<b>70,900</b>	<b>144,700</b>	<b>33,300</b>	<b>-</b>



**2018 - Detail Budget**

	2016 Cash Budget	2016 YE Projected	2017 Cash Budget	2018 Budget	Business Admin	Admin - To All Functions	Admin - By Customers	Admin - General	Admin - Planning	Public Outreach	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	Hydrant	Labor - Alloc to Capital						
										10	11	13		14	20	50	51	53	31	30	42	41	37	38	39	33	34	43	32	36	40	35										
<b>BUSINESS ADMINISTRATION</b>																																										
<b>Legal Services</b> 2%																																										
Prof Services - Legal - General 500100	27,000	12,200	13,000	13,300	13,300																																					
Prof Services - Legal - Meetings 500101	22,000	15,500	17,000	17,300	17,300																																					
Prof Services - Legal - Interlocal/Regional 500102	6,000	1,900	2,000	2,000	2,000																																					
Prof Services - Legal - Personnel 500103	1,000	2,100	2,000	2,000	2,000																																					
Prof Services - Legal - Records Requests 500104	2,000	10,200	11,000	11,200	11,200																																					
<b>Legal Services</b>	58,000	41,900	45,000	45,800	45,800																																					
<b>Financial Services</b>																																										
Prof Services-Financial 501100	-	-	-	15,000	15,000																																					
Audit Services 501500	20,000	19,700	15,000	12,000	12,000																																					
<b>Financial Services</b>	20,000	19,700	15,000	27,000	27,000																																					
<b>Insurance</b>																																										
Insurance - Administrative 508100	48,000	57,500	58,000	58,000	58,000																																					
Insurance - O&M 508200	23,000	23,000	31,300	31,300	-																																					
<b>Insurance</b>	71,000	80,500	89,300	89,300	58,000																																					
<b>Elections</b>																																										
Elections 510100	20,000	11,400	-	15,000	15,000																																					
<b>Elections</b>	20,000	11,400	-	15,000	15,000																																					
<b>Miscellaneous &amp; Other</b> 2%																																										
Miscellaneous 515100	700	400	700	700	700																																					
Manager Expense 516100	200	-	200	200	200																																					
Commissioner's Expense 516200	200	-	200	200	200																																					
Advertising Expense 517100	2,000	1,900	2,000	2,000	2,000																																					
Office Vehicle Fuel 518100	-	-	-	-	-																																					
Office Vehicle Repairs & Maint 518101	-	-	-	-	-																																					
<b>Miscellaneous &amp; Other</b>	3,100	2,300	3,100	3,100	3,100																																					
<b>TOTAL BUSINESS ADMINISTRATION</b>	172,100	155,800	152,400	180,200	148,900																																					
<b>PLANNING &amp; DEVELOPMENT</b>																																										
<b>Professional Services</b>																																										
Prof Services - Governance 520100	-	-	-	-	-																																					
Prof Services - Boundary Review 520101	-	-	-	-	-																																					
Prof Services - Amicas Brief 520200	-	-	-	-	-																																					
Prof Services - Property 520300	-	-	-	-	-																																					
Prof Services - Annexation 520400	2,000	-	7,000	7,000	7,000																																					
Prof Services - Personnel Manual 520500	-	-	-	-	-																																					
Prof Services - Code Book 520550	3,000	6,400	3,000	-	-																																					
Prof Services - Unspecified Projects 520600	10,000	-	10,000	15,000	15,000																																					
Peservation Planning and Reserve 520999	50,000	50,000	50,000	50,000	50,000																																					
Transfer to Peservation Reserve Account	-	(50,000)	(50,000)	(50,000)	(50,000)																																					
<b>Professional Services</b>	65,000	6,400	20,000	22,000	22,000																																					
<b>Other Planning &amp; Development</b>																																										
Miscellaneous Planning & Dev 522100	1,000	800	1,000	1,000	1,000																																					
<b>Other Planning &amp; Development</b>	1,000	800	1,000	1,000	1,000																																					
<b>TOTAL PLANNING &amp; DEVELOPMENT</b>	66,000	7,200	21,000	23,000	23,000																																					
<b>PUBLIC &amp; REGIONAL OUTREACH</b>																																										
<b>Regional Dues &amp; Memberships</b>																																										
Dues/Membership/Cert. 523100	19,000	17,800	18,000	18,400	18,400																																					
Other	1,000	-	1,000	1,000	1,000																																					
<b>Regional Dues &amp; Memberships</b>	20,000	17,800	19,000	19,400	19,400																																					
<b>Newsletters/Website/Special Events</b>																																										
Newsletter Distribution & Other 524100	20,600	19,800	20,000	20,400	20,400																																					
Newsletter Professional Services 524101	5,300	5,700	6,000	6,100	6,100																																					
Website - Other Costs 524200	1,000	200	1,000	1,000	1,000																																					
Website Professional Services 524201	7,500	7,100	7,000	7,200	7,200																																					
Special/Public Events 524300	4,100	5,000	5,000	5,100	5,100																																					
<b>Newsletters/Website/Special Events</b>	38,5																																									



2018 - Detail Budget

	2016 Cash Budget	2016 YE Projected	2017 Cash Budget	2018 Budget	Business Admin Functions ->	Admin - To All Functions	Admin - By Customers	Admin- General	Admin- Planning	Public Outreach Commissio ners	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	Telemetr y 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	Hydrant	Labor - Alloc to Capital			
<b>Other Public Outreach</b>							10	11	13	14	20			50	51	53	31		30	42		41	37	38			39		33	34	43		32	36	40	35			
Other Professional Services 525100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Miscellaneous Public Outreach 525200	2,800	2,000	2,800	2,900	2,900	-	2,900	-	-	2,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>Other Public Outreach</b>	2,800	2,000	2,800	2,900	2,900	-	2,900	-	-	2,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>TOTAL PUBLIC &amp; REGIONAL OUTREACH</b>	61,300	57,600	60,800	62,100	62,100	-	62,100	-	-	-	62,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>OFFICE &amp; RECORDS MANAGEMENT</b>																																							
<b>General Office Expense</b>																																							
Postage 530100	3,000	2,200	3,000	3,100	3,100	-	3,100	3,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Courier Services 530200	600	500	600	600	600	-	600	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Miscellaneous Office/Shop Expense 530300	3,000	2,400	3,000	3,000	3,000	-	3,000	3,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Temp Office Rent Expense 530400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>General Office Expense</b>	6,600	5,100	6,600	6,700	6,700	-	6,700	6,700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>Office Supplies &amp; Equipment</b>																																							
Office Supplies 531100	15,500	14,900	15,000	15,300	14,300	-	14,300	14,300	-	-	-	-	-	-	-	-	-	-	1,000	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Equipment & Small Tools 531300	1,800	2,200	2,500	2,600	1,600	-	1,600	1,600	-	-	-	-	-	-	-	-	-	-	1,000	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>Office Supplies &amp; Equipment</b>	17,300	17,100	17,500	17,900	15,900	-	15,900	15,900	-	-	-	-	-	-	-	-	-	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>Computer Systems</b>																																							
Computer Supplies 532100	3,000	300	3,000	3,100	3,100	-	3,100	3,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Computers & Printers 532200	-	900	2,000	2,000	2,000	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Software 532300	6,800	2,900	3,000	3,100	1,100	-	1,100	1,100	-	-	-	-	-	-	-	-	-	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Maintenance Agreements 532350	15,000	20,400	30,000	40,000	29,800	-	29,800	29,800	-	-	-	-	-	-	-	-	-	-	10,200	10,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Professional Services - Computer 532400	70,000	52,900	55,000	56,100	43,900	-	43,900	43,900	-	-	-	-	-	-	-	-	-	-	12,200	12,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>Computer Systems</b>	94,800	77,400	93,000	104,300	79,900	-	79,900	79,900	-	-	-	-	-	-	-	-	-	-	24,400	24,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>Phones &amp; Internet</b>																																							
Cell Phones 534200	6,000	6,900	7,000	7,100	4,000	-	4,000	4,000	-	-	-	-	-	-	-	-	-	-	3,100	3,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Alarm Monitoring 534300	3,000	3,200	3,000	3,100	1,100	-	1,100	1,100	-	-	-	-	-	-	-	-	-	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Phone System & Internet 534400	10,000	21,800	15,000	15,300	8,200	-	8,200	8,200	-	-	-	-	-	-	-	-	-	-	7,100	7,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>Phones &amp; Internet</b>	19,000	31,900	25,000	25,500	13,300	-	13,300	13,300	-	-	-	-	-	-	-	-	-	-	12,200	12,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>Building &amp; Grounds - Maintenance &amp; Operations</b>																																							
<b>Custodial</b>																																							
Kitchen / Custodial Supplies 535200	4,500	4,700	5,000	5,100	5,100	-	5,100	5,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Custodial Services 535300	8,000	9,700	10,000	10,200	9,200	-	9,200	9,200	-	-	-	-	-	-	-	-	-	-	1,000	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>Custodial</b>	12,500	14,400	15,000	15,300	14,300	-	14,300	14,300	-	-	-	-	-	-	-	-	-	-	1,000	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Utilities</b>																																							
Utilities - Electric 536100	20,000	22,400	22,000	22,400	18,300	-	18,300	18,300	-	-	-	-	-	-	-	-	-	-	4,100	4,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Utilities - Garbage 536200	5,000	4,400	4,500	4,600	2,000	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	2,600	2,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Utilities - Sewer 536300	3,000	3,000	3,000	3,100	1,100	-	1,100	1,100	-	-	-	-	-	-	-	-	-	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Utilities - Gas 536400	3,000	3,500	3,500	3,600	1,000	-	1,000	1,000	-	-	-	-	-	-	-	-	-	-	2,600	2,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>Utilities</b>	31,000	33,300	33,000	33,700	22,400	-	22,400	22,400	-	-	-	-	-	-	-	-	-	-	11,300	11,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>Maintenance &amp; Repairs</b>																																							
Maintenance - Buildings 537100	1,500	4,800	3,000	3,100	2,700	-	2,700	2,700	-	-	-	-	-	-	-	-	-	-	400	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Maintenance - Grounds 537200	6,000	6,600	6,600	6,700	6,700	-	6,700	6,700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Maint & Repairs - General 537300	1,000	2,200	2,000	2,900	1,000	-	1,000	1,000	-	-	-	-	-	-	-	-	-	-	1,000	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>Maintenance &amp; Repairs</b>	8,500	13,600	11,600	11,800	10,400	-	10,400	10,400	-	-	-	-	-	-	-	-	-	-	1,400	1,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Building &amp; Grounds Maint &amp; Repair</b>	52,000	61,300	59,600	60,800	47,100	-	47,100	47,100	-	-	-	-	-	-	-	-	-	-	13,700	13,700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>TOTAL OFFICE &amp; RECORDS MANAGEMENT</b>	189,700	192,800	201,700	215,200	162,900	-	162,900	162,900	-	-	-	-	-	-	-	-	-	-	52,300	52,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>CUSTOMER SERVICE &amp; BILLING</b>																																							
<b>Billing</b>																																							
Outside Billing 540100	46,000	48,100	55,000	56,100	-	-	-	-	-	-	-	-	56,100	-	56,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Postage 540200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Billing</b>	46,000	48,100	55,000	56,100																																			







**2018 - Detail Budget**

	2016 Cash Budget	2016 YE Projected	2017 Cash Budget	2018 Budget	Business Admin	Admin - To All Functions	Admin - By Customers	Admin- General	Admin- Planning	Public Outreach Commissio ners	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	Telemetr y 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	Hydrant	Labor - Alloc - Capital		
																																					Functions ->	10
<b>EMPLOYEE COSTS</b>																																						
<b>Travel &amp; Training</b>																																						
Publications, Books, Manuals	580100	300	1,100	1,000	1,000	-	-	-	-	-	-	-	-	-	-	-	-	1,000	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Training	580200	15,500	-	2,000	2,000	2,000	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Travel	580300	19,150	22,600	29,302	29,900	20,700	20,700	15,800	-	-	-	4,900	-	-	-	-	-	9,200	9,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Per Diem	580400	4,950	4,400	6,000	6,100	4,100	4,100	4,100	-	-	-	-	-	-	-	-	-	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Per Diem Reimbursement	580401	-	-	(686)	(700)	(700)	(700)	(700)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Registration	580500	9,005	11,100	11,000	11,200	8,100	8,100	7,100	-	-	-	1,000	-	-	-	-	-	3,100	3,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Underexpenditure		(8,605)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Travel &amp; Training</b>		<b>40,300</b>	<b>39,200</b>	<b>48,616</b>	<b>49,500</b>	<b>34,200</b>	<b>34,200</b>	<b>28,300</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5,900</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>15,300</b>	<b>15,300</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Other Employee Costs</b>																																						
Drug Testing	585100	100	300	100	100	100	100	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hearing Tests	585200	400	700	400	400	400	400	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uniforms	585300	5,000	6,800	6,500	6,600	500	500	500	-	-	-	-	-	-	-	-	-	6,100	6,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Employee Costs	585400	2,000	12,100	3,500	3,600	3,600	3,600	3,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Other Employee Costs</b>		<b>7,500</b>	<b>19,900</b>	<b>10,500</b>	<b>10,700</b>	<b>4,600</b>	<b>4,600</b>	<b>4,600</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6,100</b>	<b>6,100</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Outsourced Payroll Costs</b>																																						
ADP/Paycheck	589100	-	-	6,000	6,100	6,100	6,100	6,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Outsourced Payroll Costs</b>		<b>-</b>	<b>-</b>	<b>6,000</b>	<b>6,100</b>	<b>6,100</b>	<b>6,100</b>	<b>6,100</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Direct Payroll Costs</b>																																						
Salaries	590100	1,174,495	1,179,365	1,168,935	1,163,709	396,809	396,809	144,200	-	28,300	33,900	190,409	148,100	119,300	-	-	28,800	182,988	175,688	7,300	11,500	100	8,800	2,600	14,100	14,100	46,700	8,500	24,900	13,300	60,500	6,500	27,800	26,200	25,500	277,512		
On-Call	590300	18,358	17,343	18,791	19,349	-	-	-	-	-	-	-	-	-	-	-	-	19,349	19,349	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Overtime	590700	17,763	20,359	20,272	20,928	3,900	3,900	-	-	-	3,600	300	2,400	400	-	-	2,000	3,928	3,928	-	1,300	-	300	1,000	100	100	1,400	1,000	400	-	6,200	6,100	100	-	100	1,600		
<b>Direct Payroll Costs</b>		<b>1,210,616</b>	<b>1,217,067</b>	<b>1,207,998</b>	<b>1,203,986</b>	<b>400,709</b>	<b>400,709</b>	<b>144,200</b>	<b>-</b>	<b>28,300</b>	<b>37,500</b>	<b>190,709</b>	<b>150,500</b>	<b>119,700</b>	<b>-</b>	<b>-</b>	<b>30,800</b>	<b>206,265</b>	<b>198,965</b>	<b>7,300</b>	<b>12,800</b>	<b>100</b>	<b>9,100</b>	<b>3,600</b>	<b>14,200</b>	<b>14,200</b>	<b>48,100</b>	<b>9,500</b>	<b>25,300</b>	<b>13,300</b>	<b>66,700</b>	<b>12,600</b>	<b>27,900</b>	<b>26,200</b>	<b>25,600</b>	<b>279,112</b>		
<b>Payroll Benefits</b>																																						
FICA	595100	73,468	72,905	73,102	72,331	24,631	24,631	8,500	-	1,600	2,300	12,231	9,000	7,200	-	1,800	21,000	20,600	400	700	-	500	200	800	800	2,900	600	1,500	800	3,900	800	1,600	1,500	1,500	7,900			
Medicare	595200	17,554	17,647	17,516	17,458	5,758	5,758	2,000	-	400	500	2,858	2,100	1,700	-	400	4,200	4,100	100	200	-	100	100	200	200	700	100	400	200	1,000	200	400	400	400	2,900			
HCA / VEBA (Medical Insurance)	595300	285,600	284,200	306,000	306,000	123,800	123,800	18,200	-	51,000	18,200	36,400	36,400	36,400	-	-	145,800	145,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
PERS	595400	131,676	127,545	138,324	146,628	48,928	48,928	17,500	-	-	4,600	26,828	18,400	14,600	-	3,800	31,900	31,000	900	1,500	-	1,100	400	1,700	1,700	5,900	1,200	3,100	1,600	8,200	1,600	3,400	3,200	3,100	27,000			
Industrial Insurance	595600	16,684	17,182	16,608	16,530	1,530	1,530	200	-	100	300	930	1,200	400	-	800	7,100	6,900	200	300	-	200	100	400	400	1,100	200	600	300	1,600	300	700	600	700	2,600			
Unemployment	595700	1,974	940	985	982	382	382	100	-	-	-	282	200	200	-	-	300	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100		
Clothing Allowance	595800	7,000	7,000	7,000	7,000	1,400	1,400	500	-	-	500	400	1,000	1,000	-	-	4,600	4,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Cell Phone Allowance	595900	9,360	9,340	9,360	9,360	1,660	1,660	-	-	-	800	860	1,700	1,700	-	-	6,000	6,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>Payroll Benefits</b>		<b>543,317</b>	<b>536,760</b>	<b>568,895</b>	<b>576,289</b>	<b>208,089</b>	<b>208,089</b>	<b>47,000</b>	<b>-</b>	<b>53,100</b>	<b>27,200</b>	<b>80,789</b>	<b>70,000</b>	<b>63,200</b>	<b>-</b>	<b>6,800</b>	<b>220,900</b>	<b>219,300</b>	<b>1,600</b>	<b>2,700</b>	<b>-</b>	<b>1,900</b>	<b>800</b>	<b>3,100</b>	<b>3,100</b>	<b>10,600</b>	<b>2,100</b>	<b>5,600</b>	<b>2,900</b>	<b>14,700</b>	<b>2,900</b>	<b>6,100</b>	<b>5,700</b>	<b>5,700</b>	<b>40,500</b>			
<b>Payroll Allocations</b>																																						
Allocated to CIP or Capital Assets	599100	(180,108)	(225,800)	(327,203)	(319,612)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(319,612)	
<b>Payroll Allocations to Capital</b>		<b>(180,108)</b>	<b>(225,800)</b>	<b>(327,203)</b>	<b>(319,612)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>(319,612)</b>	
<b>TOTAL EMPLOYEE COSTS</b>		<b>1,621,625</b>	<b>1,587,126</b>	<b>1,514,807</b>	<b>1,526,963</b>	<b>653,698</b>	<b>653,698</b>	<b>230,200</b>	<b>-</b>	<b>81,400</b>	<b>64,700</b>	<b>277,398</b>	<b>220,500</b>	<b>182,900</b>	<b>-</b>	<b>-</b>	<b>37,600</b>	<b>448,565</b>	<b>439,665</b>	<b>8,900</b>	<b>15,500</b>	<b>100</b>	<b>11,000</b>	<b>4,400</b>	<b>17,300</b>	<b>17,300</b>	<b>58,700</b>	<b>11,600</b>	<b>30,900</b>	<b>16,200</b>	<b>81,400</b>	<b>15,500</b>	<b>34,000</b>	<b>31,900</b>	<b>31,300</b>	<b>-</b>		
<b>TOTAL OPERATING COSTS</b>		<b>4,569,338</b>	<b>4,365,576</b>	<b>4,319,955</b>	<b>4,666,239</b>	<b>1,785,374</b>	<b>1,104,660</b>	<b>680,714</b>	<b>1,276,776</b>	<b>23,000</b>	<b>81,400</b>	<b>126,800</b>	<b>277,398</b>	<b>284,800</b>	<b>182,900</b>	<b>56,100</b>	<b>8,200</b>	<b>37,600</b>	<b>649,065</b>	<b>631,965</b>	<b>17,100</b>	<b>1,680,800</b>	<b>1,625,100</b>	<b>37,0</b>														



## Water Purchased from Seattle Public Utilities (SPU)

2017-2018 - Budget

2016 Actual and Forecasted							Rates				Water Purchase Costs Projected for 2016				
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.	Subtotal	Adjustment	Total
January	61,134	71,032	71,032	7,052			\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ 101,359	\$ -	\$ 101,359		\$ 101,359
February	84,437	54,796	54,796	19,555			\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ 79,179	\$ -	\$ 79,179		\$ 79,179
March	76,583	54,921	54,921	18,419			\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ 79,277	\$ -	\$ 79,277		\$ 79,277
April	64,987	59,662	59,662	12,716			\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ 85,610	\$ -	\$ 85,610		\$ 85,610
May	75,759	67,123	60,411	252	6,712	28	\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ 85,801	\$ 14,098	\$ 99,899		\$ 99,899
June	105,157	79,352	-	-	79,352	3,985	\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ -	\$ 166,918	\$ 166,918		\$ 166,918
July	135,512	77,231	-	-	77,231	9,033	\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ -	\$ 162,817	\$ 162,817		\$ 162,817
August	208,555	87,495	-	-	87,495	6,526	\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ -	\$ 184,196	\$ 184,196		\$ 184,196
September	65,399	81,274	14,777	1,681	66,497	7,562	\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ 21,101	\$ 140,173	\$ 161,274		\$ 161,274
October	79,523	58,399	58,399	8,693	-	-	\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ 83,535	\$ -	\$ 83,535		\$ 83,535
November	74,845	54,989	54,989	-	-	-	\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ 78,084	\$ -	\$ 78,084		\$ 78,084
December	74,029	50,567	50,567	1,518	-	-	\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ 71,911	\$ -	\$ 71,911		\$ 71,911
<b>TOTAL</b>	<b>1,105,920</b>	<b>796,841</b>	<b>479,554</b>	<b>69,886</b>	<b>317,287</b>	<b>27,134</b>					<b>\$ 685,858</b>	<b>\$ 668,203</b>	<b>\$ 1,354,061</b>	<b>\$ -</b>	<b>\$ 1,354,061</b>

2017 Budget							Rates				Water Purchase Costs Projected for 2017				
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.	Subtotal	Adjustment	Total
January	61,134	71,032	71,032	7,052	-	-	\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ 101,359	\$ -	\$ 101,359		\$ 101,359
February	84,437	54,796	54,796	19,555	-	-	\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ 79,179	\$ -	\$ 79,179		\$ 79,179
March	76,583	54,921	54,921	18,419	-	-	\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ 79,277	\$ -	\$ 79,277		\$ 79,277
April	64,987	59,662	59,662	12,716	-	-	\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ 85,610	\$ -	\$ 85,610		\$ 85,610
May	75,759	67,123	60,411	252	6,712	28	\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ 85,801	\$ 14,098	\$ 99,899		\$ 99,899
June	105,157	79,352	-	-	79,352	3,985	\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ -	\$ 166,918	\$ 166,918		\$ 166,918
July	135,512	77,231	-	-	77,231	9,033	\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ -	\$ 162,817	\$ 162,817		\$ 162,817
August	208,555	87,495	-	-	87,495	6,526	\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ -	\$ 184,196	\$ 184,196		\$ 184,196
September	65,399	81,274	14,777	1,681	66,497	7,562	\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ 21,101	\$ 140,173	\$ 161,274		\$ 161,274
October	79,523	58,399	58,399	8,693	-	-	\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ 83,535	\$ -	\$ 83,535		\$ 83,535
November	74,845	54,989	54,989	-	-	-	\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ 78,084	\$ -	\$ 78,084		\$ 78,084
December	74,029	50,567	50,567	1,518	-	-	\$ 1.42	\$ 0.07	\$ 2.10	\$ 0.07	\$ 71,911	\$ -	\$ 71,911		\$ 71,911
<b>TOTAL</b>	<b>1,105,920</b>	<b>796,841</b>	<b>479,554</b>	<b>69,886</b>	<b>317,287</b>	<b>27,134</b>					<b>\$ 685,858</b>	<b>\$ 668,203</b>	<b>\$ 1,354,061</b>	<b>\$ -</b>	<b>\$ 1,354,061</b>
<b>2017 Budget</b>															
<b>\$ 1,354,000</b>															

2018 Budget							Rates				Water Purchase Costs Projected for 2018				
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.	Subtotal	Adjustment	Total
January	61,134	71,032	71,032	7,052	-	-	\$ 1.70	\$ 0.08	\$ 2.52	\$ 0.08	\$ 121,631	\$ -	\$ 121,631		\$ 121,631
February	84,437	54,796	54,796	19,555	-	-	\$ 1.70	\$ 0.08	\$ 2.52	\$ 0.08	\$ 95,015	\$ -	\$ 95,015		\$ 95,015
March	76,583	54,921	54,921	18,419	-	-	\$ 1.70	\$ 0.08	\$ 2.52	\$ 0.08	\$ 95,133	\$ -	\$ 95,133		\$ 95,133
April	64,987	59,662	59,662	12,716	-	-	\$ 1.70	\$ 0.08	\$ 2.52	\$ 0.08	\$ 102,732	\$ -	\$ 102,732		\$ 102,732
May	75,759	67,123	60,411	252	6,712	28	\$ 1.70	\$ 0.08	\$ 2.52	\$ 0.08	\$ 102,961	\$ 16,917	\$ 119,878		\$ 119,878
June	105,157	79,352	-	-	79,352	3,985	\$ 1.70	\$ 0.08	\$ 2.52	\$ 0.08	\$ -	\$ 200,302	\$ 200,302		\$ 200,302
July	135,512	77,231	-	-	77,231	9,033	\$ 1.70	\$ 0.08	\$ 2.52	\$ 0.08	\$ -	\$ 195,381	\$ 195,381		\$ 195,381
August	208,555	87,495	-	-	87,495	6,526	\$ 1.70	\$ 0.08	\$ 2.52	\$ 0.08	\$ -	\$ 221,036	\$ 221,036		\$ 221,036
September	65,399	81,274	14,777	1,681	66,497	7,562	\$ 1.70	\$ 0.08	\$ 2.52	\$ 0.08	\$ 25,321	\$ 168,207	\$ 193,529		\$ 193,529
October	79,523	58,399	58,399	8,693	-	-	\$ 1.70	\$ 0.08	\$ 2.52	\$ 0.08	\$ 100,242	\$ -	\$ 100,242		\$ 100,242
November	74,845	54,989	54,989	-	-	-	\$ 1.70	\$ 0.08	\$ 2.52	\$ 0.08	\$ 93,701	\$ -	\$ 93,701		\$ 93,701
December	74,029	50,567	50,567	1,518	-	-	\$ 1.70	\$ 0.08	\$ 2.52	\$ 0.08	\$ 86,294	\$ -	\$ 86,294		\$ 86,294
<b>TOTAL</b>	<b>1,105,920</b>	<b>796,841</b>	<b>479,554</b>	<b>69,886</b>	<b>317,287</b>	<b>27,134</b>					<b>\$ 823,030</b>	<b>\$ 801,843</b>	<b>\$ 1,624,873</b>	<b>\$ -</b>	<b>\$ 1,624,873</b>
<b>2018 Budget</b>															
<b>\$ 1,625,000</b>															



## **Employee Costs**




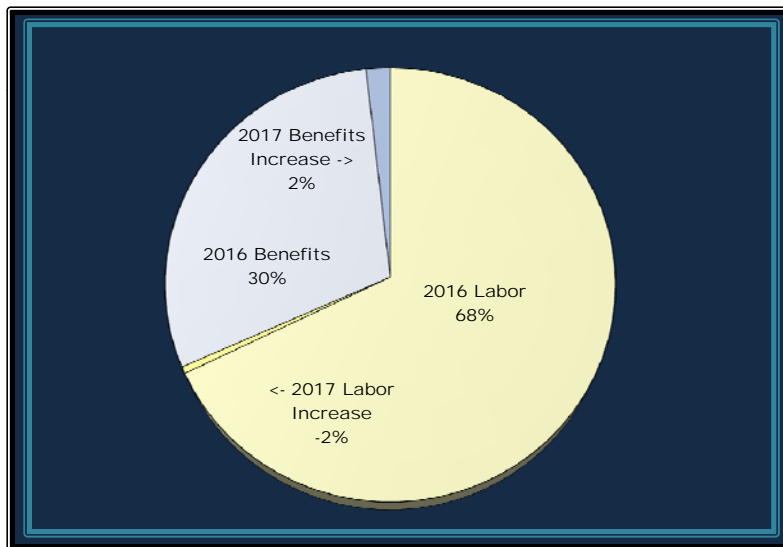
## Training and Conferences

### 2017 - Budget

	Dates	Location	Registrat ion	AirFare or Mileage	Lodging	Per Diem & Other	2017 BUDGET	2016 BUDGET	2016 ACTUAL
<b>TRAINING</b>									
Inspector/Project Manager	Various	Seattle					\$ 1,000	\$ 1,000	\$ 1,499
Office Staff	Various	Various					\$ 6,000	\$ 6,000	\$ 4,937
Excutive Assistant	Various	Various					\$ 500	\$ 500	\$ -
Field Crew	Various	Various					\$ 8,000	\$ 8,000	\$ 6,804
<b>TOTAL TRAINING</b>							<b>\$ 15,500</b>	<b>\$ 15,500</b>	<b>\$ 13,240</b>
<b>CONFERENCES &amp; BOARD MEETINGS</b>									
<b>District Manager</b>									
Women in Leadership	February	Seattle	\$ 125				\$ 125	\$ 125	\$ 125
WASWD Conference	April 13-14	Yakima	\$ 475	\$ 168	\$ 600	\$ 120	\$ 1,363	\$ 1,363	\$ 1,041
PNWS Conference	May 2-4	Kennewick	\$ 555	\$ 170	\$ 600	\$ 150	\$ 1,475	\$ 1,475	\$ 1,312
WASWD Conference	Sep 27-29	Wenatchee	\$ 475	\$ 151	\$ 600	\$ 120	\$ 1,346	\$ 1,346	\$ 1,310
PWTF Board Meetings	Monthly	Olympia					\$ -	\$ -	\$ -
<b>Total General Manager</b>							<b>\$ 4,309</b>	<b>\$ 4,309</b>	<b>\$ 3,788</b>
<b>Operations Manager</b>									
WASWD Conference	April 13-14	Yakima	\$ 475	\$ 168	\$ 600	\$ 120	\$ 1,363	\$ 1,363	\$ -
PNWS Conference	May 2-4	Kennewick	\$ 555	\$ 170	\$ 600	\$ 150	\$ 1,475	\$ 1,475	\$ 1,831
AWWA Conference - ACE 17	Jun 11-14	Philadelphia	\$ 820	\$ 1,000	\$ 2,000	\$ 1,000	\$ 4,820	\$ 4,420	\$ 3,872
WASWD Conference	Sep 21-25	Wenatchee	\$ 475	\$ 291	\$ 600	\$ 120	\$ 1,486	\$ 1,486	\$ 1,226
PNWS Board Meeting	February	Vancouver, WA		\$ 291	\$ 500	\$ 150	\$ 941		
PNWS Board Meeting	October	Bend, OR		\$ 291	\$ 500	\$ 150	\$ 941	\$ 941	\$ 783
<b>Total Operations Manager</b>							<b>\$ 11,026</b>	<b>\$ 9,685</b>	<b>\$ 7,712</b>
<b>Commissioner Ricker</b>									
WASWD Conference								\$ 1,363	\$ 1,346
PNWS Conference	May 2-4	Kennewick	\$ 540	\$ 170	\$ 600	\$ 150	\$ 1,460	\$ 1,177	\$ 2,036
AWWA Conference - ACE 17	Jun 11-14	Chicago	\$ 820	\$ 1,000	\$ 2,000	\$ 1,000	\$ 4,820	\$ 4,320	\$ 4,131
WASWD Conference	Sep 21-25	Wenatchee	\$ 475	\$ 291	\$ 600	\$ 120	\$ 1,486	\$ 1,486	\$ 1,473
<b>Total Ricker</b>							<b>\$ 7,766</b>	<b>\$ 8,346</b>	<b>\$ 8,987</b>
<b>Commissioner Haines</b>									
WASWD Conference								\$ 1,363	\$ 1,013
PNWS Conference	May 2-4	Kennewick	\$ 540	-	\$ 600	\$ 150	\$ 1,290	\$ 1,177	\$ 1,491
AWWA Conference - ACE 17	Jun11-14	Philadelphia	\$ 820	\$ 1,000	\$ 2,000	\$ 1,000	\$ 4,820	\$ 4,320	\$ 646
WASWD Conference	Sep 21-25	Spokane	\$ 475	\$ -	\$ 600	\$ 120	\$ 1,195	\$ 1,195	\$ 1,532
<b>Total Haines</b>							<b>\$ 7,305</b>	<b>\$ 8,055</b>	<b>\$ 4,682</b>
<b>Commissioner Schoonmaker</b>									
WASWD Conference	April 13-14	Yakima	\$ 475	\$ 168	\$ 600	\$ 120	\$ 1,363	\$ 1,363	\$ 1,346
WASWD Conference	Sep 21-25	Spokane	\$ 475	\$ 151	\$ 600	\$ 120	\$ 1,346	\$ 1,346	\$ 1,473
<b>Total Schoonmaker</b>							<b>\$ 2,709</b>	<b>\$ 2,709</b>	<b>\$ 2,819</b>
Planned Under-Expenditure of Travel and Training Costs								\$ (8,605)	
<b>TOTAL CONFERENCES AND MEETING</b>							<b>\$ 33,116</b>	<b>\$ 24,500</b>	<b>\$ 27,988</b>
<b>GRAND TOTAL CONFERENCES, MEETINGS AND TRAINING</b>							<b>\$ 48,616</b>	<b>\$ 40,000</b>	<b>\$ 41,228</b>



	<b>Labor and Benefits Summary</b> <i>(Before Capitalization)</i> <b>2017 - Budget</b>		
	DIRECT LABOR	TOTAL BENEFITS	COMBINED TOTAL
Total Projected Labor and Benefits for 2016	\$ 1,217,067	\$ 536,760	\$ 1,753,827
Net Steps, Staff Changes, PERS, Decr in Total Hours Worked	(\$35,508)	\$ 27,369	(\$8,140)
Base Labor and Benefits for 2017	\$ 1,181,559	\$ 564,129	\$ 1,745,687
Deduct Commissioner Pay	(\$32,832)	(\$56,662)	(\$89,494)
Base Pay Subject to COLA	\$ 1,148,727	\$ 507,467	\$ 1,656,194
COLA @ 2.4% on Staff Employees <i>(cash basis)</i>	\$ 26,440	\$ 4,767	\$ 31,207
<b>TOTAL LABOR AND BENEFITS FOR 2017 <i>(Cash Basis)</i></b>	<b>\$ 1,207,998</b>	<b>\$ 568,895</b>	<b>\$ 1,776,894</b>
<i>2017 Total Increase over 2016</i>	<i>(\$9,069)</i>	<i>\$ 32,136</i>	<i>\$ 23,067</i>
<i>Percent Increase over 2016</i>	<i>-0.7%</i>	<i>6.0%</i>	<i>1.3%</i>





2017 - Budget

0.0% Commissioner's Inc  
 2.4% Employee's COLA  
 \$ - Employee's COLA Lump-sum

\$ 340.27 2016 On-call  
 \$ 348.44 2017 On-call

Max Soc Sec Wages-> \$ 127,200  
 \$ 1,500 J-J 11.18% pc Benefits-> \$ 7,886 \$ 1.0434 0.09%  
 \$ 500 \$ 70.00 \$ 1,500 J-D 12.52% 1.45% 6.20% \$ 0.1183 0.09%


Labor and Benefits		Direct Labor							Benefits										Combined											
		Total Hrs @ Reg Pay	Vac	CO	OT @ 1.5	OTW	2017 Total Hours	Oncall	Reg OT	OTW	2017 Total Gross Pay (1)	2016 Total Gross Pay	Difference	% Diff	Clothing	Phone	VEBA	PERS Amt	Medicare	Soc Sec	L&I	Unemploy	2017 Total Benefits	2016 Total Benefits	Difference	% Diff	2017 LABOR AND BENEFITS	2016 LABOR AND BENEFITS	Difference	% Diff
Commissioner	Cash Payment 2017 - W-2	419	-	-	-	418.5	\$ -			\$ 10,944	\$ 10,944	\$ (0)	0.0%	\$ -	\$ -	\$ 18,000		\$ 159	\$ 679	\$ 49.53			\$ 18,887	\$ 17,688	\$ 1,199	6.8%	\$ 29,831	\$ 28,633	\$ 1,198	4.2%
Commissioner	Cash Payment 2017 - W-2	419	-	-	-	418.7	\$ -			\$ 10,944	\$ 10,944	\$ (0)	0.0%	\$ -	\$ -	\$ 18,000		\$ 159	\$ 679	\$ 49.53	\$ -		\$ 18,887	\$ 17,687	\$ 1,200	6.8%	\$ 29,831	\$ 28,631	\$ 1,199	4.2%
Commissioner	Cash Payment 2017 - W-2	432	-	-	-	431.7	\$ -			\$ 10,944	\$ 10,944	\$ (0)	0.0%	\$ -	\$ -	\$ 18,000		\$ 159	\$ 679	\$ 49.53			\$ 18,887	\$ 17,716	\$ 1,171	6.6%	\$ 29,831	\$ 28,660	\$ 1,170	4.1%
District Manager																														
	Salary																													
	Effective Hourly																													
District Manager	Cash Payment 2017 - W-2	2,072	88	-	-	2,160.0	\$ -	\$ -	\$ -	\$ 149,285	\$ 145,702	\$ 3,583	2.5%	\$ 500	\$ -	\$ 18,000	\$ 17,572	\$ 2,165	\$ 7,886	\$ 215	\$ 126		\$ 46,464	\$ 42,679	\$ 3,785	8.9%	\$ 195,749	\$ 188,382	\$ 7,368	3.9%
Finance Manager																														
	Salary																													
	Effective Hourly																													
Finance Manager	Cash Payment 2017 - W-2	2,072	-	-	-	2,072.0	\$ -	\$ -	\$ -	\$ 122,213	\$ 119,640	\$ 2,573	2.2%	\$ 500	\$ -	\$ 18,000	\$ 14,348	\$ 1,772	\$ 7,577	\$ 212	\$ 103		\$ 42,512	\$ 39,500	\$ 3,012	7.6%	\$ 164,725	\$ 159,139	\$ 5,586	3.5%
Senior Accountant / Assist Fin Manager																														
	Effective Salary																													
	Hourly																													
Senior Accountant / Assist Fin Manager	Cash Payment 2017 - W-2	2,075	48	5.0	-	2,128.0	\$ -	\$ 299	\$ -	\$ 79,877	\$ 74,345	\$ 5,532	7.4%	\$ 500	\$ 840	\$ 18,000	\$ 9,432	\$ 1,158	\$ 4,952	\$ 208	\$ 67		\$ 35,158	\$ 32,049	\$ 3,109	9.7%	\$ 115,035	\$ 106,394	\$ 8,642	8.1%
Customer & Vendor Care Specialist																														
	Effective Salary																													
	Hourly																													
Customer & Vendor Care Specialist	Cash Payment 2017 - W-2	2,072	-	-	-	2,072.0	\$ -	\$ -	\$ -	\$ 55,999	\$ 51,876	\$ 4,123	8.0%	\$ 500	\$ 840	\$ 18,000	\$ 6,587	\$ 812	\$ 3,472	\$ 213	\$ 46		\$ 30,470	\$ 28,171	\$ 2,299	8.2%	\$ 86,469	\$ 80,041	\$ 6,428	8.0%
Customer & Vendor Care Supervisor																														
	Effective Salary																													
	Hourly																													
Customer & Vendor Care Supervisor	Cash Payment 2017 - W-2	2,072	-	7.5	-	2,079.5	\$ -	\$ 367	\$ -	\$ 67,806	\$ 64,323	\$ 3,483	5.4%	\$ 500	\$ 840	\$ 18,000	\$ 7,970	\$ 983	\$ 4,204	\$ 210	\$ 56		\$ 32,763	\$ 30,190	\$ 2,574	8.5%	\$ 100,569	\$ 94,513	\$ 6,057	6.4%
Executive Assistant																														
	Effective Salary																													
	Hourly																													
Executive Assistant	Cash Payment 2017 - W-2	1,243	-	-	-	1,243.2	\$ -	\$ -	\$ -	\$ 37,158	\$ 29,961	\$ 7,197	24.0%	\$ 500	\$ 840	\$ 18,000	\$ 4,370	\$ 539	\$ 2,304	\$ 137	\$ 30		\$ 26,719	\$ 23,938	\$ 2,781	11.6%	\$ 63,877	\$ 53,899	\$ 9,978	18.5%
Operations Manager																														
	Salary																													
	Effective Hourly																													
Operations Manager	Cash Payment 2017 - W-2	2,072	88	-	-	2,160.0	\$ -	\$ -	\$ -	\$ 134,041	\$ 131,343	\$ 2,698	2.1%	\$ 500	\$ -	\$ 18,000	\$ 15,777	\$ 1,944	\$ 7,886	\$ 1,912	\$ 114		\$ 46,132	\$ 42,680	\$ 3,453	8.1%	\$ 180,174	\$ 174,022	\$ 6,151	3.5%
Inspector/ GIS / Mapping																														
	Salary																													
	Effective Hourly																													
Inspector/ GIS / Mapping	Cash Payment 2017 - W-2	2,072	48	-	-	2,120.0	\$ -	\$ -	\$ -	\$ 74,828	\$ 69,889	\$ 4,939	4.7%	\$ 500	\$ 960	\$ 18,000	\$ 8,805	\$ 1,085	\$ 4,639	\$ 1,826	\$ 62		\$ 35,878	\$ 33,313	\$ 2,565	6.7%	\$ 110,706	\$ 142,197	\$ (31,492)	-22.1%

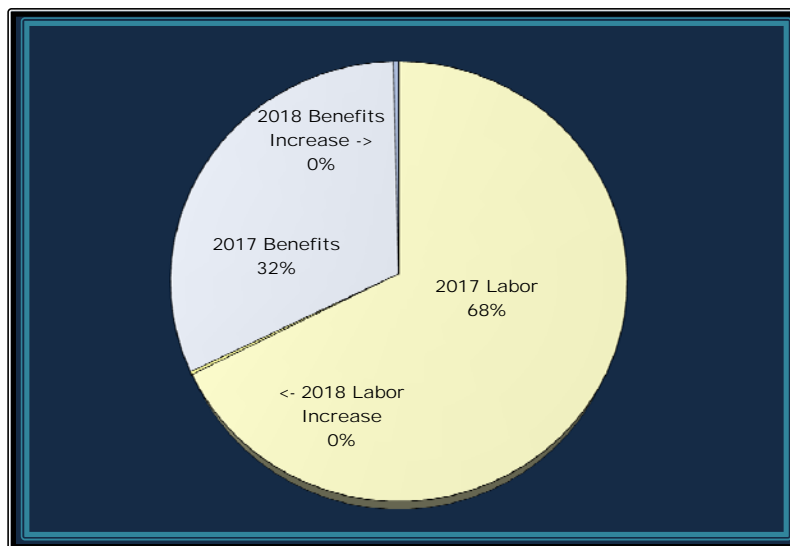


2017 - Budget

Labor and Benefits		Direct Labor										Benefits										Combined											
		Total Hrs @ Reg Pay	Vac	CO	OT @ 1.5	OTW	2017 Total Hours	Oncall	Reg OT	OTW	2017 Total Gross Pay (1)	2016 Total Gross Pay	Difference	% Diff	Clothing	Phone	VEBA	PERS Amt	Medicare	Soc Sec	L&I	Unemploy	2017 Total Benefits	2016 Total Benefits	Difference	% Diff	2017 LABOR AND BENEFITS	2016 LABOR AND BENEFITS	Difference	% Diff			
Operations Lead		Prior Year    With COLA    Step Inc    With Step Effective Salary \$ 82,893   \$ 84,882   \$ -    \$ 84,882 Hourly \$ 39.85   \$ 40.81                    \$ 40.81				2,072	40	23.0	14.0	2,151.0	\$ 3,128	\$ 1,408	\$ 1,040	\$ 91,802	\$ 91,700	\$ 102	0.1%	\$ 500	\$ 840	\$ 18,000	\$ 10,806	\$ 1,331	\$ 5,692	\$ 1,917	\$ 77	\$ 39,163	\$ 37,076	\$ 2,087	5.6%	\$ 130,965	\$ 128,776	\$ 2,189	1.7%
Utility Person III		Prior Year    With COLA    Step Inc    With Step Effective Salary \$ 62,864   \$ 64,372   \$ -    \$ 64,372 Hourly \$ 30.22   \$ 30.95                    \$ 30.95				2,072	48	30.5	17.0	2,168.0	\$ 3,136	\$ 1,416	\$ 1,011	\$ 71,133	\$ 72,049	\$ (917)	-1.3%	\$ 500	\$ 840	\$ 18,000	\$ 8,380	\$ 1,031	\$ 4,410	\$ 1,967	\$ 59	\$ 35,187	\$ 33,504	\$ 1,683	5.0%	\$ 106,320	\$ 105,554	\$ 766	0.7%
Utility Person III		Prior Year    With COLA    Step Inc    With Step Effective Salary \$ 62,864   \$ 64,372   \$ -    \$ 64,372 Hourly \$ 30.22   \$ 30.95                    \$ 30.95				2,072	48	44.0	38.0	2,202.0	\$ 3,136	\$ 2,043	\$ 2,261	\$ 72,986	\$ 70,680	\$ 2,306	3.3%	\$ 500	\$ 840	\$ 18,000	\$ 8,601	\$ 1,058	\$ 4,525	\$ 1,928	\$ 61	\$ 35,513	\$ 33,178	\$ 2,336	7.0%	\$ 108,499	\$ 103,857	\$ 4,642	4.5%
Utility Person I		Prior Year    With COLA    Step Inc    With Step Effective Salary \$ -    \$ 49,904   \$ -    \$ 49,904 Hourly \$ -    \$ 23.99                    \$ 23.99				2,072	-	24.5	23.5	2,120.0	\$ 3,128	\$ 882	\$ 1,153	\$ 55,422	\$ -	\$ -	0.0%	\$ 500	\$ 840	\$ 18,000	\$ 6,521	\$ 804	\$ 3,436	\$ 1,943	\$ 46	\$ 32,090	\$ -	\$ -	0.0%	\$ 87,512	\$ -	\$ -	0.0%
Utility Person IV / Water Quality Person		Prior Year    With COLA    Step Inc    With Step Effective Salary \$ 71,765   \$ 73,488   \$ -    \$ 73,488 Hourly \$ 34.50   \$ 35.33                    \$ 35.33				2,072	48	50.5	48.5	2,219.0	\$ 3,128	\$ 2,676	\$ 3,204	\$ 83,836	\$ 81,292	\$ 2,544	3.1%	\$ 500	\$ 840	\$ 18,000	\$ 9,894	\$ 1,216	\$ 5,198	\$ 1,942	\$ 70	\$ 37,660	\$ 35,119	\$ 2,541	7.2%	\$ 121,496	\$ 116,411	\$ 5,085	4.4%
Utility Person IV		Prior Year    With COLA    Step Inc    With Step Effective Salary \$ 71,765   \$ 73,488   \$ -    \$ 73,488 Hourly \$ 34.50   \$ 35.33                    \$ 35.33				2,072	-	20.0	22.0	2,114.0	\$ 3,136	\$ 1,060	\$ 1,453	\$ 78,781	\$ 77,246	\$ 1,536	2.0%	\$ 500	\$ 840	\$ 18,000	\$ 9,262	\$ 1,142	\$ 4,884	\$ 1,830	\$ 66	\$ 36,525	\$ 34,270	\$ 2,255	6.6%	\$ 115,306	\$ 111,516	\$ 3,790	3.4%
<b>Total Cash Payment 2017</b>		29,451	456	205	163	30,278	\$ 18,791	\$ 10,150	\$ 10,122	\$ 1,207,998	\$ 1,217,067	\$ (9,069)	-0.7%	\$ 7,000	\$ 9,360	\$ 306,000	\$ 138,324	\$ 17,516	\$ 73,102	\$ 16,608	\$ 985	\$ 568,895	\$ 536,760	\$ 32,136	6.0%	\$ 1,776,894	\$ 1,753,827	\$ 23,067	1.3%				
<b>Total Accrued Expense 2017</b>		29,569	456	205	163	30,395	\$ 18,467	\$ 10,150	\$ 10,122	\$ 1,212,117	\$ 1,220,214	\$ (63,172)	-5.2%	\$ 7,000	\$ 9,360	\$ 306,000	\$ 139,442	\$ 17,576	\$ 73,341	\$ 17,223	\$ 982	\$ 570,925	\$ 536,250	\$ 34,674	6.5%	\$ 1,766,681	\$ 1,756,464	\$ 10,217	0.6%				

(1) Total gross pay for 2017 varies from the annual or effective annual salary due to estimates regarding overtime and vacation cash out hours, timing of the step increase and cash flow timing issue.

	<b>Labor and Benefits Summary</b> <i>(Before Capitalization)</i> <b>2018 - Budget</b>		
	DIRECT LABOR	TOTAL BENEFITS <sup>1</sup>	COMBINED TOTAL
Total Projected Labor and Benefits for 2017	\$ 1,207,998	\$ 568,895	\$ 1,776,894
Net Steps, Staff Changes, PERS, Incr in Total Hours Worked	(\$37,203)	\$ 1,179	(\$36,024)
Base Labor and Benefits for 2018	\$ 1,170,796	\$ 570,074	\$ 1,740,870
Deduct Commissioner Pay	(\$32,832)	(\$56,662)	(\$89,494)
Base Pay Subject to COLA	\$ 1,137,964	\$ 513,412	\$ 1,651,376
COLA on Staff Employees <i>(cash basis)</i> <sup>2</sup>	\$ 33,190	\$ 6,215	\$ 39,405
<b>TOTAL LABOR AND BENEFITS FOR 2018 <i>(Cash Basis)</i></b>	<b>\$ 1,203,986</b>	<b>\$ 576,289</b>	<b>\$ 1,780,275</b>
<i>2018 Total Increase (Decrease) over 2017</i>	<i>(\$4,013)</i>	<i>\$ 7,393</i>	<i>\$ 3,381</i>
<i>Percent Increase (Decrease) over 2017</i>	<i>-0.3%</i>	<i>1.3%</i>	<i>0.2%</i>



<sup>1)</sup> Benefits may change as final rates are released by the Department of Retirement systems (DRS) and the Health Care Authority (HCA).

<sup>2)</sup> The cost of living increase (COLA) is set at a projected inflationary level of 3% but may be revised in late 2017 when the actual COLA is known.



2018 - Budget

0.0% Commissioner's Inc  
3.00% Employee's COLA  
\$ - Employee's COLA Lump-sum

\$ 348.44 2016 On-call  
\$ 358.89 2017 On-call

Max Soc Sec Wages-> \$ 127,200  
\$ 1,500 J-J 12.52% ec Benefits-> \$ 7,886 \$ 1.0434 0.09%  
\$ 500 \$ 70.00 \$ 1,500 J-D 12.52% 1.45% 6.20% \$ 0.1183 0.09%

Labor and Benefits		Total Hrs @ Reg Pay	Vac	CO	OT @ 1.5	OTW	2016 Total Hours	Direct Labor				Benefits								Combined															
								Oncall	Reg	OT	OTW	2018 Total Gross Pay (1)	2017 Total Gross Pay	Difference	% Diff	Clothing	Phone	VEBA	PERS Amt	Medicare	Soc Sec	L&I	Unemploy	2018 Total Benefits	2017 Total Benefits	Difference	% Diff	2018 LABOR AND BENEFITS	2017 LABOR AND BENEFITS	Difference	% Diff				
Commissioner	Cash Payment 2018 - W-2	419	-	-	-	-	418.5	\$ -	\$ -	\$ -	\$ -	\$ 10,944	\$ 10,944	\$ -	0.0%	\$ -	\$ -	\$ 18,000	\$ 159	\$ 679	\$ 49.53	\$ -	\$ -	\$ -	\$ -	\$ 18,887	\$ 18,887	\$ -	0.0%	\$ 29,831	\$ 29,831	\$ -	0.0%		
Commissioner	Cash Payment 2018 - W-2	419	-	-	-	-	418.7	\$ -	\$ -	\$ -	\$ -	\$ 10,944	\$ 10,944	\$ -	0.0%	\$ -	\$ -	\$ 18,000	\$ 159	\$ 679	\$ 49.53	\$ -	\$ -	\$ -	\$ -	\$ 18,887	\$ 18,887	\$ -	0.0%	\$ 29,831	\$ 29,831	\$ -	0.0%		
Commissioner	Cash Payment 2018 - W-2	432	-	-	-	-	431.7	\$ -	\$ -	\$ -	\$ -	\$ 10,944	\$ 10,944	\$ -	0.0%	\$ -	\$ -	\$ 18,000	\$ 159	\$ 679	\$ 49.53	\$ -	\$ -	\$ -	\$ -	\$ 18,887	\$ 18,887	\$ -	0.0%	\$ 29,831	\$ 29,831	\$ -	0.0%		
District Manager																																			
	Salary																																		
	Effective Hourly																																		
District Manager	Cash Payment 2018 - W-2	2,080	88	-	-	-	2,168.0	\$ -	\$ -	\$ -	\$ -	\$ 153,729	\$ 149,285	\$ 4,444	3.0%	\$ 500	\$ -	\$ 18,000	\$ 19,247	\$ 2,229	\$ 7,886	\$ 216	\$ 130	\$ -	\$ -	\$ 48,208	\$ 46,464	\$ 1,744	3.8%	\$ 201,937	\$ 195,749	\$ 6,188	3.2%		
Finance Manager																																			
	Salary																																		
	Effective Hourly																																		
Finance Manager	Cash Payment 2018 - W-2	672	-	-	-	-	672.0	\$ -	\$ -	\$ -	\$ -	\$ 68,243	\$ 122,213	\$ (53,970)	-44.2%	\$ 500	\$ -	\$ 18,000	\$ 8,544	\$ 990	\$ 4,231	\$ 63	\$ 58	\$ -	\$ -	\$ 32,385	\$ 42,512	\$ (10,127)	-23.8%	\$ 100,628	\$ 164,725	\$ (64,097)	-38.9%		
Assist Fin Manager																																			
	Effective Salary																																		
	Hourly																																		
Assist Fin Manager	Cash Payment 2018 - W-2	2,083	48	5.0	-	-	2,136.0	\$ -	\$ -	\$ 356	\$ -	\$ 94,268	\$ 79,877	\$ 14,391	18.0%	\$ 500	\$ 840	\$ 18,000	\$ 11,802	\$ 1,367	\$ 5,845	\$ 209	\$ 79	\$ -	\$ -	\$ 38,642	\$ 35,158	\$ 3,484	9.9%	\$ 132,910	\$ 115,035	\$ 17,875	15.5%		
Customer & Vendor Care Specialist																																			
	Effective Salary																																		
	Hourly																																		
Customer & Vendor Care Specialist	Cash Payment 2018 - W-2	2,080	-	-	-	-	2,080.0	\$ -	\$ -	\$ -	\$ -	\$ 59,766	\$ 55,999	\$ 3,767	6.7%	\$ 500	\$ 840	\$ 18,000	\$ 7,483	\$ 867	\$ 3,706	\$ 214	\$ 50	\$ -	\$ -	\$ 31,658	\$ 30,470	\$ 1,188	3.9%	\$ 91,424	\$ 86,469	\$ 4,955	5.7%		
Customer & Vendor Care Supervisor																																			
	Effective Salary																																		
	Hourly																																		
Customer & Vendor Care Supervisor	Cash Payment 2018 - W-2	2,080	-	7.5	-	-	2,087.5	\$ -	\$ -	\$ 378	\$ -	\$ 70,092	\$ 67,806	\$ 2,286	3.4%	\$ 500	\$ 840	\$ 18,000	\$ 8,775	\$ 1,016	\$ 4,346	\$ 211	\$ 58	\$ -	\$ -	\$ 33,747	\$ 32,763	\$ 983	3.0%	\$ 103,838	\$ 100,569	\$ 3,269	3.3%		
Executive Assistant																																			
	Effective Salary																																		
	Hourly																																		
Executive Assistant	Cash Payment 2018 - W-2	1,248	-	-	-	-	1,248.0	\$ -	\$ -	\$ -	\$ -	\$ 41,199	\$ 37,158	\$ 4,042	10.9%	\$ 500	\$ 840	\$ 18,000	\$ 5,158	\$ 597	\$ 2,554	\$ 137	\$ 34	\$ -	\$ -	\$ 27,821	\$ 26,719	\$ 1,102	4.1%	\$ 69,020	\$ 63,877	\$ 5,143	8.1%		
Operations Manager																																			
	Salary																																		
	Effective Hourly																																		
Operations Manager	Cash Payment 2018 - W-2	2,080	88	-	-	-	2,168.0	\$ -	\$ -	\$ -	\$ -	\$ 138,031	\$ 134,041	\$ 3,990	3.0%	\$ 500	\$ -	\$ 18,000	\$ 17,281	\$ 2,001	\$ 7,886	\$ 1,920	\$ 117	\$ -	\$ -	\$ 47,706	\$ 46,132	\$ 1,574	3.4%	\$ 185,737	\$ 180,174	\$ 5,563	3.1%		
Inspector/ Project Manager																																			
	Salary																																		
	Effective Hourly																																		
Inspector/ Project Manager	Cash Payment 2018 - W-2	2,080	48	-	-	-	2,128.0	\$ -	\$ -	\$ -	\$ -	\$ 77,346	\$ 74,828	\$ 2,518	3.4%	\$ 500	\$ 960	\$ 18,000	\$ 9,684	\$ 1,122	\$ 4,795	\$ 1,834	\$ 65	\$ -	\$ -	\$ 36,959	\$ 35,878	\$ 1,082	3.0%	\$ 114,305	\$ 110,706	\$ 3,599	3.3%		





**2018 - Budget**

**Direct Labor**

**Benefits**

**Combined**


0.0%	Commissioner's Inc
3.00%	Employee's COLA
\$ -	Employee's COLA Lump-sum

\$ 348.44	2016 On-call
\$ 358.89	2017 On-call

Max Soc Sec Wages->	\$ 127,200				
\$ 1,500 J-J	12.52%	ec Benefits->	\$ 7,886	\$ 1.0434	0.09%
\$ 1,500 J-D	12.52%	1.45%	6.20%	\$ 0.1183	0.09%

Labor and Benefits	Total Hrs @ Reg Pay	Vac	OT @ CO	1.5	OTW	2016 Total Hours	Oncall	Reg OT	OTW	2018 Total Gross Pay (1)	2017 Total Gross Pay	Difference	% Diff	Clothing	Phone	VEBA	PERS Amt	Medicare	Soc Sec	L&I	Unemploy	2018 Total Benefits	2017 Total Benefits	Difference	% Diff	2018 LABOR AND BENEFITS	2017 LABOR AND BENEFITS	Difference	% Diff	
	<b>Operations Lead</b>																													
Effective Salary																														
Hourly																														
Cash Payment 2018 - W-2																														
	2,080	40	23.0	14.0		2,159.0	\$ 3,220	\$ 1,450	\$ 1,071	\$ 94,869	\$ 91,802	\$ 3,067	3.3%	\$ 500	\$ 840	\$ 18,000	\$ 11,878	\$ 1,376	\$ 5,882	\$ 1,926	\$ 79	\$ 40,480	\$ 39,163	\$ 1,317	3.4%	\$ 135,349	\$ 130,965	\$ 4,384	3.3%	
<b>Utility Person III</b>																														
Effective Salary																														
Hourly																														
Cash Payment 2018 - W-2																														
	2,080	48	30.5	17.0		2,176.0	\$ 3,230	\$ 1,458	\$ 1,042	\$ 73,506	\$ 71,133	\$ 2,373	3.3%	\$ 500	\$ 840	\$ 18,000	\$ 9,203	\$ 1,066	\$ 4,557	\$ 1,975	\$ 61	\$ 36,203	\$ 35,187	\$ 1,015	2.9%	\$ 109,708	\$ 106,320	\$ 3,388	3.2%	
<b>Utility Person III</b>																														
Effective Salary																														
Hourly																														
Cash Payment 2018 - W-2																														
	2,080	48	44.0	38.0		2,210.0	\$ 3,230	\$ 2,104	\$ 2,328	\$ 75,414	\$ 72,986	\$ 2,429	3.3%	\$ 500	\$ 840	\$ 18,000	\$ 9,442	\$ 1,094	\$ 4,676	\$ 1,937	\$ 63	\$ 36,551	\$ 35,513	\$ 1,037	2.9%	\$ 111,965	\$ 108,499	\$ 3,466	3.2%	
<b>Utility Person I</b>																														
Effective Salary																														
Hourly																														
Cash Payment 2018 - W-2																														
	2,080	-	24.5	23.5		2,128.0	\$ 3,220	\$ 908	\$ 1,187	\$ 56,652	\$ 55,422	\$ 1,230	2.2%	\$ 500	\$ 840	\$ 18,000	\$ 7,093	\$ 821	\$ 3,512	\$ 1,951	\$ 47	\$ 32,765	\$ 32,090	\$ 675	2.1%	\$ 89,417	\$ 87,512	\$ 1,906	2.2%	
<b>Utility Person IV / Water Quality Person</b>																														
Effective Salary																														
Hourly																														
Cash Payment 2018 - W-2																														
	2,080	48	50.5	48.5		2,227.0	\$ 3,220	\$ 2,757	\$ 3,300	\$ 86,622	\$ 83,836	\$ 2,786	3.3%	\$ 500	\$ 840	\$ 18,000	\$ 10,845	\$ 1,256	\$ 5,371	\$ 1,951	\$ 72	\$ 38,835	\$ 37,660	\$ 1,175	3.1%	\$ 125,457	\$ 121,496	\$ 3,961	3.3%	
<b>Utility Person IV</b>																														
Effective Salary																														
Hourly																														
Cash Payment 2018 - W-2																														
	2,080	-	20.0	22.0		2,122.0	\$ 3,230	\$ 1,092	\$ 1,497	\$ 81,418	\$ 78,781	\$ 2,636	3.3%	\$ 500	\$ 840	\$ 18,000	\$ 10,193	\$ 1,181	\$ 5,048	\$ 1,838	\$ 68	\$ 37,668	\$ 36,525	\$ 1,144	3.1%	\$ 119,086	\$ 115,306	\$ 3,780	3.3%	
<b>Total Cash Payment 2018</b>	28,152	456	205	163		28,978	\$ 19,349	\$ 10,502	\$ 10,426	\$ 1,203,986	\$ 1,207,998	\$ (4,013)	-0.3%	\$ 7,000	\$ 9,360	\$ 306,000	\$ 146,628	\$ 17,458	\$ 72,331	\$ 16,530	\$ 982	\$ 576,289	\$ 568,895	\$ 7,393	1.3%	\$ 1,780,275	\$ 1,776,894	\$ 3,381	0.2%	
<b>Total Accrued Expense 2018</b>	28,209	456	205	163		29,035	\$ 19,021	\$ 10,502	\$ 10,426	\$ 1,203,670	\$ 1,212,117	\$ (8,447)	-0.7%	\$ 7,000	\$ 9,360	\$ 306,000	\$ 146,560	\$ 17,453	\$ 72,290	\$ 17,140	\$ 975	\$ 576,779	\$ 570,925	\$ 5,854	1.0%	\$ 1,764,088	\$ 1,783,041	\$ (2,593)	-0.1%	

(1) Total gross pay for 2018 varies from the annual or effective annual salary due to estimates regarding overtime and vacation cash out hours, timing of the step increase and cash flow timing issue.

		2017 Salaries & Wages				
		2017 - Budget				
MANAGEMENT		Across the Board Increase	2.4%	Lump sum	\$ -	
TITLE	Steps	Step 1	Step 2	Step 3	Step 4	Step 5
Finance Manager	5	\$ 95,239.73	\$ 105,381.17	\$ 110,897.70	\$ 116,704.57	\$ 122,591.31
Operations Manager Certification Pay (5%)	5	\$ 95,239.73	\$ 105,381.17	\$ 110,897.70	\$ 116,704.57	\$ 122,591.31 \$ 6,129.57
FINANCE & ADMIN. DEPARTMENT						
TITLE	Steps	Step 1	Step 2	Step 3	Step 4	
Senior Accountant / Assistant Finance Manager (Step 4)	4	\$ 65,623.26 \$ 31,5496	\$ 69,622.92 \$ 33.4726	\$ 73,487.96 \$ 35.3308	\$ 83,041.40 \$ 39.9237	
Executive Assistant rate per hour	4	\$ 56,655.87 \$ 27.2384	\$ 61,423.97 \$ 29.5308	\$ 66,060.68 \$ 31.7599	\$ 69,363.71 \$ 33.3479	
Customer & Vendor Care Supervisor rate per hour	3	\$ 61,466.67 \$ 29.5513	\$ 64,540.00 \$ 31.0288	\$ 67,767.00 \$ 32.5803		
Customer & Vendor Care Specialist rate per hour	3	\$ 52,695.83 \$ 25.3345	\$ 55,330.62 \$ 26.6013	\$ 58,097.15 \$ 27.9313		
OPERATIONS DEPARTMENT						
TITLE		Step 1	Step 2	Step 3		
Field Inspector/Project Manager rate per hour	3	\$ 90,869.83 \$ 43.6874	\$ 95,384.96 \$ 45.8582	\$ 100,125.85 \$ 48.1374		
Field Inspector/GIS/Mapping rate per hour	3	\$ 65,648.17 \$ 31.5616	\$ 68,930.58 \$ 33.1397	\$ 73,487.64 \$ 35.3306		
TITLE		YEAR 1	YEAR 2+			
Operations Lead rate per hour	2	\$ 79,185.31 \$ 38.0699	\$ 84,881.90 \$ 40.8086			
Utility Person IV / Water Quality rate per hour	2	\$ 68,930.58 \$ 33.1397	\$ 73,487.64 \$ 35.3306			
Utility Person IV rate per hour	2	\$ 68,930.58 \$ 33.1397	\$ 73,487.64 \$ 35.3306			
Utility Person III rate per hour	2	\$ 60,954.92 \$ 29.3053	\$ 64,372.45 \$ 30.9483			
Utility Person II rate per hour	2	\$ 55,257.25 \$ 26.5660	\$ 58,675.85 \$ 28.2095			
Utility Person I rate per hour	2	\$ 49,903.59 \$ 23.9921	\$ 52,979.26 \$ 25.4708			
On-Call Pay - rate per hour		\$ 348.4317				



## **Capital Costs**



## Capital Plan Summary *(Projects Identified in 2011/2013 Comprehensive Plan Update)*

### 2017-2022 - Budget / Forecast

	2012-2015	2016	2017	2018	2019	2020	2021	2022	2017-2022	PROJECT TOTAL
	<b>SOURCES:</b>									
Construction Fund Beginning Balance	\$ 155,724	\$ 1,920,865	\$ 10,307,848	\$ 8,822,607	\$ 4,146,993	\$ 5,335,101	\$ 5,811,731	\$ 6,156,815	\$ 10,307,848	\$ 155,724
Transfers from the Maintenance Fund	4,523,399	1,750,884	1,462,676	1,370,556	1,281,378	1,392,633	1,404,339	1,516,512	8,428,093	14,702,376
Interest Earnings	132,714	10,262	77,309	13,234	41,470	53,351	87,176	92,352	364,892	507,868
Connection Fees	1,256,910	237,166	610,713	50,000	300,000	312,000	54,000	56,160	1,382,873	2,876,950
2011 Bond Proceeds	8,200,000								-	8,200,000
2016 Bond Proceeds		7,711,725							-	7,711,725
Transfer from Bond Fund Reserves		772,148							-	772,148
Transfer from Bond Fund			256,167	264,833	-	-	-	-	521,000	521,000
Transfers from Sinking Fund	3,010,507								-	3,010,507
Sale of Old Maintenance Property			-	-	1,500,000	-	-	-	1,500,000	1,500,000
DWSRF Loan	521,763								-	521,763
DWSRF Loan	1,376,958	1,740,641	346,400	-	-	-	-	-	346,400	3,464,000
Wireless Building Funding	791,148								-	791,148
Contribution by Joint Venture Developers	294,426								-	294,426
Contribution Towards Escrowed Funds	416,000								-	416,000
<b>TOTAL SOURCES</b>	<b>20,679,549</b>	<b>14,143,691</b>	<b>13,061,112</b>	<b>10,521,230</b>	<b>7,269,841</b>	<b>7,093,085</b>	<b>7,357,245</b>	<b>7,821,839</b>	<b>22,851,107</b>	<b>45,445,634</b>
<b>USES:</b>										
Admin Building - Design/Construction	4,205,392								-	4,205,392
Additional Items	37,886								-	37,886
Back Lot	204,969								-	204,969
NCPS - 4MG Reservoir- Design & Const	3,164,058	3,504,005	756,444	-	-	-	-	-	756,444	7,424,507
NE 178th Street / McAleer Creek/LFP Cul	48,025	142,900	-	-	-	-	-	-	-	190,925
Water System Plan Updates	102,383		127,272						127,272	229,655
GIS Project	1,233	-	140,962	128,847	92,818	136,801	112,855	147,216	759,499	760,732
Water Sample Stands	12,290	-	53,218						53,218	65,508
System Upgrades Water Quality	-	-	-	399,065					399,065	399,065
Booster Stations Rehabilitation/Replace	-	-	20,000	243,348	244,602	26,929	86,076		620,955	620,955
System-wide - R&R PRV Stations	-	14,991	284,714	288,812	297,742	306,950			1,178,218	1,193,209
CIP #4 - 15th and 24th	254,559								-	254,559
Land for Maintenance Building	2,463,525								-	2,463,525
Maintenance Building	1,028,407		2,289,448	5,057,072	842,800	-	-	-	8,189,319	9,217,726
Wireless Bldg, Railing-CIP 3.7 Res Recoat	2,493,876								-	2,493,876
Meter Replacement Program	1,844,527								-	1,844,527
Joint Developer Projects	702,874								-	702,874
DSA and YMCA WESAs	242,687								-	242,687
Main Replc - NE 185th/187th - 28th/29th	531,654								-	531,654
Telemetry/SCADA	261,012								-	261,012
Miscellaneous Completed Projects	682,430								-	682,430
2.0 MG Reservoir Capial Imp - Const	-	-	-	122,838	-	-	-	-	122,838	122,838
CP 10 - 19th Ave NE	-	-	-	-	217,411	-	-	-	217,411	217,411
CP 35 - NE 171st	-	-	-	-	100,135	-	-	-	100,135	100,135
CP 33 - 20th Place and CP12 - 200th/25th	-	-	-	-	-	337,284	-	-	337,284	337,284
CP 12 - NE 200th St./25th Ave. NE	-	-	-	-	-	334,285	-	-	334,285	334,285
Meters/Services	302,047	131,712	82,602	66,406	68,537	70,737	73,010	75,356	436,647	870,406
Valve Replacement	-	19,000	24,000	24,510	25,315	26,148	27,008	27,897	154,877	173,877
Hydrant Replacement	-	13,851	19,200	19,590	20,240	20,911	21,606	22,324	123,871	137,722
Technology Additions & Replacement	55,706	3,167	22,430	17,345	18,545	14,515	10,185	24,955	107,975	166,848
Tools, Equipment & Furniture	-	6,217	18,217	6,403	6,595	6,793	6,997	7,207	52,212	58,429
Other / Miscellaneous	119,146								-	119,146
Vacuum Truck (Net Trade-in)	-	-	400,000	-	-	-	-	-	400,000	400,000
On-going Projects	-	-	-	-	-	-	862,695	888,769	1,751,464	1,751,464
<b>TOTAL USES</b>	<b>18,758,684</b>	<b>3,835,843</b>	<b>4,238,506</b>	<b>6,374,236</b>	<b>1,934,740</b>	<b>1,281,354</b>	<b>1,200,431</b>	<b>1,193,723</b>	<b>16,222,991</b>	<b>38,817,518</b>
<b>ENDING BALANCE</b>	<b>\$1,920,865</b>	<b>\$10,307,848</b>	<b>\$8,822,607</b>	<b>\$4,146,993</b>	<b>\$5,335,101</b>	<b>\$5,811,731</b>	<b>\$6,156,815</b>	<b>\$6,628,116</b>	<b>\$6,628,116</b>	<b>6,628,116</b>



**Capital Plan - Project**  
**2017-2022 - Budget / Forecast**  
**North City Pump station (NCPS)**

Status: Ongoing  
 Funding Source: Rates  
 DWSRF loan proceeds

Locations: 18012 15th Ave NE  
 Permits: Building, Electrical, Plumbing, Fire & ROW

Project Elements	2012-2016	2017	2018	2019	2020	2021	2022	2017-2022	Project Total
Design	\$ 1,372,642							\$ -	\$ 1,372,642
Construction - NCPS	4,551,696	396,785						396,785	4,948,481
Capitalized Interest	232,213	-						-	232,213
Retainage	(191,482)	191,482						191,482	-
Site Management	83,624	42,083						42,083	125,708
Inspection - Consultants	563,667	99,000						99,000	662,667
Inspection and Design - In-house	209,003	7,984						7,984	216,986
Crew time	7,908	6,116						6,116	14,025
Project management	111,424	12,993						12,993	124,417
Legal & other	19,446							-	19,446
<b>Total Costs</b>	<b>\$ 6,960,141</b>	<b>\$ 756,444</b>	<b>\$ -</b>	<b>\$ -</b>			<b>\$ -</b>	<b>\$ 756,444</b>	<b>\$ 7,716,585</b>

**Project description:** To install a new pump station adjacent to the 3.7 MG reservoir. Pump station to operate more efficiently than current station, over a wide range of conditions, and to accommodate/complete construction other recent capital projects on the same site. District may consider installing the additional pump at a later date to save costs.

**Rationale:** With the completion of the installation and connection to a secondary source, the District is able to utilize the dead storage portion of the 3.7 MG reservoir. The existing pump station pumps were also nearing the end of their useful life and would require replacement. This project was identified in the adopted 2011 WSP update and has required a number of other projects to be completed prior to the construction of the new station - lot line adjustment, demolition of the 0.4 MG reservoir, installation of a new wireless carrier building, 3.7 MG reservoir improvements. Construction of this project will allow the district to operate more efficiently, complete the multiple projects to make the site be more efficient, reduce construction and maintenance impacts to the neighbors.

GL Code: 2-00-189840, 2-00-189845, 2-00-189889/101, 2-00-189201  
 Other project names: 1a - North City Pump Station - 2011 WSP  
 2009-07 660 Pump Station Pre-design  
 Site Improvements  
 0.4 MG tank demo  
 CIP 4 15th and 24th





**Capital Plan - Project**  
**2017-2022 - Budget / Forecast**  
**Water System Plan Update**

Status: Ongoing

Locations: District wide

Funding Source: Rates

Permits: None; DOH and King County approval required

Project Elements	2015-2016	2017	2018	2019	2020	2021	2022	2017-2022	Project Total
Consulting		\$ 100,000	\$ -				\$ -	\$ 100,000	\$ 100,000
Crew time		13,048	-				-	13,048	13,048
Inspection		3,406	-				-	3,406	3,406
Project management / review		3,465	-				-	3,465	3,465
Management review		2,353	-				-	2,353	2,353
Legal & other		5,000	-				-	5,000	5,000
<b>Total Costs</b>		<b>\$ 127,272</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 127,272</b>	<b>\$ 127,272</b>

**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 DOH in January 2014. The District expects to calibrate and update its hydraulic model in 2017 once the North City Pump Station project is completed then update the CIP schedule in 2017. The District will also be updating the Water Shortage Contingency Plan (WSCP). The CIP and WSCP will be submitted to DOH and King County for approval in 2017/2018. The District will be requesting to DOH that we move from the 6 year to the 10 year approval cycle prior to January 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 would normally consider: (1) operating policies and customer level of service, (2) evaluate 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:

Other project names:



**Capital Plan - Project**  
**2017-2022 - Budget / Forecast**  
**GIS/Mapping Project**

Status: Ongoing  
 Funding Source: Rates

Locations: District wide  
 Permits: None

Project Elements	2015-2016	2017	2018	2019	2020	2021	2022	2017-2022	Project Total
Aerials	\$ 1,233	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,233
Equipment		14,000	-	-	-	-	-	\$ 14,000	\$ 14,000
ESRI software	-	15,000	15,450	15,914	16,391	16,883	17,389	97,026	97,026
Mapping/GIS Consultant		20,000	60,000	20,000	5,000	5,000	5,000	115,000	115,000
District labor	-	84,732	45,942	49,151	107,346	82,586	116,106	485,864	485,864
Project management / review	-	7,229	7,455	7,753	8,064	8,386	8,722	47,609	47,609
<b>Total Costs</b>	<b>\$ 1,233</b>	<b>\$ 140,962</b>	<b>\$ 128,847</b>	<b>\$ 92,818</b>	<b>\$ 136,801</b>	<b>\$ 112,855</b>	<b>\$ 147,216</b>	<b>\$ 759,499</b>	<b>\$ 760,732</b>

**Project description:** Purchase ESRI software for one GIS station for the District. Annual costs will depend on the version purchased. North City Water District staff will work on scanning the district documents (\$15,000 - Scanner, \$6,000 - scanner software), locating valves, hydrants, water mains and meter boxes.

**Rationale:** North City Water District takes pride in reinvesting into its system. District maps have not been updated for several years and must be done to reflect the changes in the District's system otherwise, they are unusable by staff and property owners. The District will be doing much of this work 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  
 Other project names: Project 54 Water System Plan - 2013 WSP



**Capital Plan - Project**  
**2017-2022 - Budget / Forecast**  
**Water Quality Sample Stds**

Status: Projected

Locations: Six, in various locations

Funding Source: Rates

Permits:

Project Elements	2015-2016	2017	2018	2019	2020	2021	2022	2017-2022	Project Total
Construction	\$ 12,290	\$ 25,000	\$ -	\$ -	\$ -	\$ -		\$ 25,000	\$ 37,290
Crew time	13,865	27,218	-	-	-	-		27,218	41,083
Project management	-	-	-	-	-	-		-	-
Legal & other	-	1,000	-	-	-	-		1,000	1,000
<b>Total Costs</b>	<b>\$ 26,154</b>	<b>\$ 53,218</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		<b>\$ 53,218</b>	<b>\$ 79,372</b>

**Project description:** The District identified in its Coliform Monitoring Plan to install six additional water quality sampling locations and upgrade the coliform repeat sampling locations both upstream and downstream of the 16 sampling stand locations. Two stands were installed in 2016, a third stand will be installed once the NCPS is completed. The remaining three sample stands will installed later in 2017.

**Rationale:** Additional sampling stands and upgrading the coliform repeat sampling locations will improve the District's water quality monitoring to ensure the water system is free of bacteria. The new locations have not yet been identified but the water from the sampling stands may have to be discharged into a sewer main near the stand which may require a monthly charge.

GL Code:

Other project names:



**Capital Plan - Project**  
**2017-2022 - Budget / Forecast**  
**System Upgrades Water Quality**

Status: Projected  
 Funding Source: Rates

Locations: in 432 zone  
 Permits: Building, Electrical, & ROW

Project Elements	2015-2016	2017	2018	2019	2020	2021	2022	2017-2022	Project Total
Design		\$ -	\$ 15,914					\$ 15,914	\$ 15,914
Construction		-	323,575					\$ 323,575	\$ 323,575
Inspection - In-house		-	43,963					\$ 43,963	\$ 43,963
Crew time		-	5,256					5,256	\$ 5,256
Project management		-	5,358					5,358	\$ 5,358
Legal & other		-	5,000					5,000	\$ 5,000
<b>Total Costs</b>	\$ -	\$ -	\$ 399,065	\$ -	\$ -	\$ -		\$ 383,152	\$ 383,152

**Project description:** The District will add a chlorine injection station in the 432 zone, location yet to be determined.

**Rationale:** Adding a chlorine injection station east of the District will improve the water quality in the eastern portion of the system.

GL Code:

Other project names:



**Capital Plan - Project**  
**2017-2022 - Budget / Forecast**  
**Booster Station Rehabilitation/Replacement**

Status: Ongoing  
 Funding Source: Rates

Locations: Multiple  
 Permits: Building, Electrical, Plumbing, Fire & ROW

Project Elements	2015-2016	2017	2018	2019	2020	2021	2022	2017-2022	Project Total
Design	\$ -	\$ 20,000	\$ 35,000	\$ 15,000	\$ 20,000	\$ -	\$ -	\$ 90,000	\$ 90,000
Construction	-	-	200,000	120,000	-	40,000	-	360,000	360,000
Contingency	-	-	-	48,000	-	16,000	-	64,000	64,000
Crew time	-	-	-	8,199	-	2,956	-	11,156	11,156
Inspection	-	-	-	27,433	-	9,891	-	37,324	37,324
Project management	-	-	4,465	13,930	4,829	10,045	-	33,269	33,269
Management review	-	-	3,883	4,039	2,100	2,184	-	12,206	12,206
Legal & other	-	-	-	8,000	-	5,000	-	13,000	13,000
<b>Total Costs</b>	<b>\$ -</b>	<b>\$ 20,000</b>	<b>\$ 243,348</b>	<b>\$ 244,602</b>	<b>\$ 26,929</b>	<b>\$ 86,076</b>	<b>\$ -</b>	<b>\$ 620,955</b>	<b>\$ 620,955</b>

**Project description:** Evaluate the condition of the existing pump station. Based on a Needs Assessment, determine the level of improvement to be completed for each station. For budgeting purposes, assume both stations will be redesigned and replaced. Project assumes to include a needs assessment, property purchase (if required), permitting and construction. Amounts in text are in 2016 dollars. - amounts shown in table are inflated.

**Rationale:** North City Water District has two booster pump stations. A needs assessment will be completed for each pump station as it nears the end of its useful life to consider basic improvements to complete reconstruction. Booster station 1 was originally constructed in 1963 and rehabilitated in 1989 (26 years old in 2017). Booster station 2 was originally constructed in 1963 and rehabilitated in 1992 (23 years old in 2017). The rehabilitation work will at a minimum, include replacing the electrical and mechanical equipment, emergency power generator and any structural deficiencies as needed. Reconstruction work may also include considering an alternative location with above ground opportunities.

GL Code:

Other project names:





**Capital Plan - Project**  
**2017-2022 - 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	2015-2016	2017	2018	2019	2020	2021	2022	2017-2022	Project Total
Construction	\$ 7,482	\$ 254,616	\$ 262,254	\$ 270,122	\$ 278,226	\$ -	\$ -	\$ 1,065,218	\$ 1,072,701
Crew time	7,508	30,098	26,558	27,620	28,725	-	-	113,000	120,508
Project management	-	-	-	-	-	-	-	-	-
<b>Total Costs</b>	<b>\$ 14,991</b>	<b>\$ 284,714</b>	<b>\$ 288,812</b>	<b>\$ 297,742</b>	<b>\$ 306,950</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,178,218</b>	<b>\$ 1,193,209</b>

**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: Project 2A System Wide (Multiple locations) - 2013 WSP  
 CIP 2011-03, PRV #5 rebuild  
 CIP 2014-01, Rebuild PRV 7 and 9



**Capital Plan - Project**  
**2017-2022 - Budget / Forecast**  
**Maintenance Building**

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

Project Elements	2012-2016	2017	2018	2019	2020	2021	2022	2017-2022	Project Total
Design	\$ 7,500	472,770						\$ 472,770	\$ 480,270
Land Costs	2,463,525							\$ -	2,463,525
Building Costs	1,020,907							\$ -	1,020,907
Site Plan	-	52,530	-			-	-	52,530	52,530
Permit	-	29,355	-			-	-	29,355	29,355
Demo	-	25,750	78,772			-	-	104,522	104,522
Sidewalks	-	31,055	94,999			-	-	126,053	126,053
Generator	-	12,875	39,386			-	-	52,261	52,261
Stormwater Improvements	-	12,875	39,386			-	-	52,261	52,261
Security	-	3,863	11,816			-	-	15,678	15,678
Fencing and gates	-	36,243	110,871			-	-	147,114	147,114
Crew building	-	115,875	354,473			-	-	470,348	470,348
Building	-	1,287,500	3,938,591			-	-	5,226,091	5,226,091
Contingency for buildings	-	-	-	523,416		-	-	523,416	523,416
Crew time - design/const & moving	-	4,078	31,536	-		-	-	35,614	35,614
Project management	-	67,132	89,297	9,287		-	-	165,715	165,715
Management review	-	12,548	12,945	10,097		-	-	35,590	35,590
Legal & other	25,554	5,000	5,000	-		-	-	35,554	61,108
Capitalized Interest	-	120,000	250,000	300,000		-	-	670,000	670,000
<b>Total Costs</b>	<b>\$ 3,517,486</b>	<b>\$ 2,289,448</b>	<b>\$ 5,057,072</b>	<b>\$ 842,800</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 8,214,873</b>	<b>\$ 11,732,359</b>

**Project description:** Design and construct a new maintenance building. Project assumes to include: \$450,000 for design costs, \$28,000 for a new special use permit for new (not remodeled) building, \$120,000 for sidewalks, \$50,000 for generator, \$50,000 stormwater improvements, \$15,000 for security, \$140,000 for security fencing and gates, \$450,000 for the crew building and \$3,000,00 for a new building based on Soos Creek 2015 bid. Contingency of 40% or \$630,000. Amounts in text are in 2014 dollars and inflated by inflation.

**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 has recently selected an Architect and expects to do this project in phases: Develop a Master Plan for the site, Design and Construction. The project is expected to take approximately two to three years.

**GL Code:** 2-00-189876  
**Other project names:** CIP 2012-09  
 New Shop Building



## 2017-2022 - Budget / Forecast

Status: Projected

Locations: 2.0 MG reservoir site

Funding Source: Rates

Permits: None (electrical?)

Project Elements	2015-2016	2017	2018	2019	2020	2021	2022	2017-2022	Project Total
Construction			\$ 110,000			\$ -	\$ -	\$ 110,000	\$ 110,000
Inspection		-	9,342			-	-	9,342	\$ 9,342
Crew time		-	2,102			-	-	2,102	\$ 2,102
Project management		-	893			-	-	893	\$ 893
Legal & other		-	500			-	-	500	500
<b>Total Costs</b>		\$ -	\$ 122,838	\$ -	\$ -	\$ -	\$ -	\$ 122,838	\$ 122,838

**Project description:** The 2.0 MG Reservoir is beginning to develop leaks and should be assessed to apply an epoxy coating. Water quality within the tank shall also be reviewed and possibly add a PAX mixer, similar to the mixer installed in the 3.7 MG reservoir.

**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:

Other project names:



**Capital Plan - Project**  
**2017-2022 - Budget / Forecast**  
**19th Avenue NE/20427 19th Ave NE (CIP 10)**

Status: Projected  
 Funding Source: Rates

Locations: 19th Avenue NE/20427 19th Ave NE  
 Permits: ROW

Project Elements	2015-2016	2017	2018	2019	2020	2021	2022	2017-2022	Project Total
Construction			\$ -	\$ 201,062				\$ 201,062	\$ 201,062
Inspection			-	6,642				6,642	6,642
Crew time			-	-				-	-
Project management			-	7,207				7,207	7,207
Legal & other			-	2,500				2,500	2,500
<b>Total Costs</b>		\$ -	\$ -	\$ 217,411	\$ -	\$ -	\$ -	\$ 217,411	\$ 217,411

**Project description:** Installation of 420 ft of 8" water main from a fire hydrant to 19th Avenue NE.

**Rationale:** Replace existing 6" main with 8" to meet fire flow velocity criteria at two locations. Connecting existing 6" main to main in 19th Avenue NE to meet fire flow velocity criteria. Scheduling of this project will be verified as part of hydraulic modeling effort in 2017.

GL Code:

Other project names:



**Capital Plan - Project**  
**2017-2022 - Budget / Forecast**  
**NE 171st Street (CIP 35)**

Status: Projected  
 Funding Source: Rates

Locations: NE 171st Street  
 Permits: ROW

Project Elements	2015-2016	2017	2018	2019	2020	2021	2022	2017-2022	Project Total
Construction			\$ -	\$ 89,604				\$ 89,604	\$ 89,604
Inspection			-	4,428				4,428	4,428
Crew time			-	-				-	-
Project management			-	3,603				3,603	3,603
Legal & other			-	2,500				2,500	2,500
<b>Total Costs</b>		\$ -	\$ -	\$ 100,135	\$ -	\$ -	\$ -	\$ 100,135	\$ 100,135

**Project description:** Installation of 225 ft of 8" water main east of 22nd Avenue NE and to 25th Avenue NE. This project will help the movement of water near Sampling Stand 10

**Rationale:** Installation of 225 ft of 8" water main. Scheduling of this project will be verified as part of hydraulic modeling effort in 2017.

GL Code:

Other project names: CIP 2012-08





**Capital Plan - Project**  
**2017-2022 - Budget / Forecast**  
**20th Place NE (CIP 33)**

Status: Projected  
 Funding Source: Rates

Locations: 20th Place NE  
 Permits: ROW

Project Elements	2015-2016	2017	2018	2019	2020	2021	2022	2017-2022	Project Total
Construction					\$ 314,017	\$ -		\$ 314,017	\$ 314,017
Inspection					9,211	-		9,211	9,211
Crew time					-	-		-	-
Project management					11,243	-		11,243	11,243
Legal & other					2,814	-		2,814	2,814
<b>Total Costs</b>		\$ -	\$ -	\$ -	\$ 337,284	\$ -	\$ -	\$ 337,284	\$ 337,284

**Project description:** Install 665 feet of 8" mains from approximately NE 200th to NE 205th Street.

**Rationale:** Connect dead-ends and replace existing 4" mains with 8" mains to meet fire flow velocity criteria and for water quality. Scheduling of this project will be verified as part of hydraulic modeling effort in 2017.

GL Code:

Other project names:



**Capital Plan - Project**  
**2017-2022 - Budget / Forecast**  
**NE 200th Street/25th Avenue NE (CIP 12)**

Status: Projected  
 Funding Source: Rates

Locations: NE 200th Street/25th Avenue N  
 Permits: ROW

Project Elements	2015-2016	2017	2018	2019	2020	2021	2022	2017-2022	Project Total
Construction					\$ 312,891	\$ -		\$ 312,891	\$ 312,891
Inspection					9,211	-		9,211	9,211
Crew time					-	-		-	-
Project management					9,369	-		9,369	9,369
Legal & other					2,814	-		2,814	2,814
<b>Total Costs</b>		\$ -	\$ -	\$ -	\$ 334,285	\$ -	\$ -	\$ 334,285	\$ 334,285

**Project description:** Install 570 feet of 12" mains from approximately NE 199th to NE 200th Street and from 24th Ave to 25th Ave NE

**Rationale:** Replace existing 6" mains with new 12" main to meet fire flow velocity criteria. Relocate hydrant on 4" dead-end to 25th Avenue NE. Scheduling of this project will be verified as part of hydraulic modeling effort in 2017.

GL Code:

Other project names:



**Capital Plan - Project**  
**2017-2022 - Budget / Forecast**  
**Meter and Service Replacement**

Status: On-going  
 Funding Source: Rates

Locations: Various  
 Permits:

Project Elements	2015-2016	2017	2018	2019	2020	2021	2022	2017-2022	Project Total
Materials	\$ 281,406	\$ 51,000	\$ 52,530	\$ 54,106	\$ 55,729	\$ 57,401	\$ 59,123	\$ 329,889	\$ 611,295
District Labor	\$ 55,338	\$ 31,602	\$ 13,876	\$ 14,431	\$ 15,008	\$ 15,609	\$ 16,233	\$ 106,759	\$ 162,097
<b>Total Costs</b>	<b>\$ 336,744</b>	<b>\$ 82,602</b>	<b>\$ 66,406</b>	<b>\$ 68,537</b>	<b>\$ 70,737</b>	<b>\$ 73,010</b>	<b>\$ 75,356</b>	<b>\$ 436,647</b>	<b>\$ 773,392</b>

**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, 1-00-176300  
 Other project names:



**Capital Plan - Project**  
**2017-2022 - Budget / Forecast**  
**Valve Replacement**

Status: On-going  
 Funding Source: Rates

Locations: Various  
 Permits:

Project Elements	2015-2016	2017	2018	2019	2020	2021	2022	2017-2022	Project Total
Air Valves - Materials and Labor	-	\$ 5,000	\$ 5,150	\$ 5,305	\$ 5,464	\$ 5,628	\$ 5,796	32,342	\$ 32,342
Valves - Materials	\$ 6,637	\$ 12,000	\$ 12,360	\$ 12,731	\$ 13,113	\$ 13,506	\$ 13,911	\$ 77,621	\$ 84,258
Valves - District Labor	\$ 6,665	\$ 7,000	\$ 7,000	\$ 7,280	\$ 7,571	\$ 7,874	\$ 8,189	\$ 44,914	\$ 51,579
<b>Total Costs</b>	<b>\$ 13,302</b>	<b>\$ 24,000</b>	<b>\$ 24,510</b>	<b>\$ 25,315</b>	<b>\$ 26,148</b>	<b>\$ 27,008</b>	<b>\$ 27,897</b>	<b>\$ 154,877</b>	<b>\$ 168,179</b>

**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: 1-00-176500  
 Other project names:



**Capital Plan - Project**  
**2017-2022 - Budget / Forecast**  
**Hydrant Replacement**

Status: On-going  
 Funding Source: Rates

Locations: Various  
 Permits:

Project Elements	2015-2016	2017	2018	2019	2020	2021	2022	2017-2022	Project Total
Materials	\$ 15,899	\$ 13,000	\$ 13,390	\$ 13,792	\$ 14,205	\$ 14,632	\$ 15,071	\$ 84,089	\$ 99,988
District Labor	\$ 9,487	\$ 6,200	\$ 6,200	\$ 6,448	\$ 6,706	\$ 6,974	\$ 7,253	\$ 39,781	\$ 49,269
<b>Total Costs</b>	<b>\$ 25,386</b>	<b>\$ 19,200</b>	<b>\$ 19,590</b>	<b>\$ 20,240</b>	<b>\$ 20,911</b>	<b>\$ 21,606</b>	<b>\$ 22,324</b>	<b>\$ 123,871</b>	<b>\$ 149,257</b>

**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: 1-00-176400  
 Other project names:



**Capital Plan - Project**  
**2017-2022 - Budget / Forecast**  
**Technology Additions & Replacement**

Status: On-going  
 Funding Source: Rates

Locations: Various  
 Permits:

Project Elements	2015-2016	2017	2018	2019	2020	2021	2022	2017-2022	Project Total
Technology Additions & Replc.	16,695	22,430	17,345	18,545	14,515	10,185	24,955	107,975	124,670
<b>Total Costs</b>	<b>\$ 16,695</b>	<b>\$ 22,430</b>	<b>\$ 17,345</b>	<b>\$ 18,545</b>	<b>\$ 14,515</b>	<b>\$ 10,185</b>	<b>\$ 24,955</b>	<b>\$ 107,975</b>	<b>\$ 124,670</b>

**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:  
 Other project names:



**Capital Plan - Project**  
**2017-2022 - Budget / Forecast**  
**Tools, Equipment and Furniture**

Status: On-going  
 Funding Source: Rates

Locations: Various  
 Permits:

Project Elements	2015-2016	2017	2018	2019	2020	2021	2022	2017-2022	Project Total
Tools, Equipment and Furniture	6,217	18,217	6,403	6,595	6,793	6,997	7,207	52,212	58,429
<b>Total Costs</b>	<b>\$ 6,217</b>	<b>\$ 18,217</b>	<b>\$ 6,403</b>	<b>\$ 6,595</b>	<b>\$ 6,793</b>	<b>\$ 6,997</b>	<b>\$ 7,207</b>	<b>\$ 52,212</b>	<b>\$ 58,429</b>

**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: 1-00-181200, 181300, 181500, 181600, 181800  
 Other project names:





**Capital Plan - Project**  
**2017-2022 - Budget / Forecast**  
**Vacuum Truck Replacement**

Status: On-going  
 Funding Source: Rates

Locations:  
 Permits:

Project Elements	2015-2016	2017	2018	2019	2020	2021	2022	2017-2022	Project Total
Vacuum Truck		520,000	-	-	-	-	-	520,000	520,000
Trade-in of Existing Truck		(120,000)						(120,000)	(120,000)
<b>Total Costs</b>	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ 400,000

**Project description:** The cost of replacing the District's Vacuum truck is substantially larger than other district vehicles. Therefore, the District will be identifying the reoccurring replacement of this vehicle as part of the annual capital improvement plan. Future scheduling of this item will be dependent upon the annual operating costs

**Rationale:** The District outsources the repair and annual maintenance of District vehicles. These include the minor maintenance activities. As the vacuum truck increases in age, more specialized repairs occur. The District relies on a third party for vacuum truck services when the District's vacuum truck is out of service for repairs and maintenance.

GL Code: 1-00-181100  
 Other project names:



**Capital Plan - Project**  
**2017-2022 - Budget / Forecast**  
**Ongoing Water Main Replacement/Upgrade Projects**

Status: Projected  
 Funding Source: Rates

Locations: Various  
 Permits: ROW

Project Elements	2015-2016	2017	2018	2019	2020	2021	2022	2017-2022	Project Total
Construction					\$ -	\$ 840,474	\$ 865,688	\$ 1,706,162	\$ 1,706,162
Inspection					-	9,579	9,962	19,541	19,541
Crew time					-	-	-	-	-
Project management					-	9,744	10,134	19,877	19,877
Legal & other					-	2,898	2,985	5,883	5,883
<b>Total Costs</b>		\$ -	\$ -	\$ -	\$ -	\$ 862,695	\$ 888,769	\$ 1,751,464	\$ 1,751,464

**Project description:** This is an ongoing program to fund capital improvements to the District's water main which are needed to improve fire flow and water quality issues that have not yet been determined. More specific scope will occur as part of the District's hydraulic modeling effort in 2017.

**Rationale:** Annual capital improvement funding will be approximately \$725,000 (in 2016 dollars). More specific scheduling of multiple misc projects will occur as part of hydraulic modeling effort in 2017.

GL Code:  
 Other project names:



# **Vehicle Replacement Plan**



## Vehicle Replacement Plan

### 2017-2018 Budget

Vehicle Replacement Plan	Year in Service	Life	Initial Repl Yr	2017	2018	2019	2020	2021	2022	TOTAL
Unit # 25 2018 -Forklift	2018	15	2018	-	30,000	-	-	-	-	\$ 30,000
Unit # 2 2010 F-150 P/U	2010	7	2017	30,000	-	-	-	-	-	\$ 30,000
Unit # 3 2010 F-150 P/U	2010	7	2017	30,000	-	-	-	-	-	\$ 30,000
Unit # 4 Rpl Unit 21 2015 F-150 PU	2000	7	2015	-	-	-	-	-	30,000	\$ 30,000
Unit # 5 GMC 10 Yard Dump	1997	15	2021	-	-	-	-	102,000	-	\$ 102,000
Unit # 8 2010 F-150 4x4	2010	8	2018	-	35,000	-	-	-	-	\$ 35,000
Unit # 15 Repl Unit 22 2015 F-150 PU	2001	7	2015	-	-	-	-	-	35,000	\$ 35,000
Unit # 17 2007 Interl 5 Yard Dump	2007	15	2022	-	-	-	-	-	92,000	\$ 92,000
Unit # 18 2013 F-350 Service Body	2013	10	2023	-	-	-	-	-	-	\$ -
Unit # 19 2013 F-150 P/U	2013	7	2020	-	-	-	90,000	-	-	\$ 90,000
Unit # 20 F-550 Service Van	2013	15	2028	-	-	-	-	-	-	\$ -
Unit 23 2015 Ford Explorer	2000	8	2015	-	-	-	-	-	-	\$ -
Unit 23 2015 Ford Explorer	2015	8	2023	-	-	-	-	-	-	\$ -
TR-1 Backhoe 1991	1991	25	2021	-	-	-	-	108,000	-	\$ 108,000
TR-2 Backhoe 2003	2003	25	2028	-	-	-	-	-	-	\$ -
<b>TOTAL</b>				<b>\$ 60,000</b>	<b>\$ 65,000</b>	<b>\$ -</b>	<b>\$ 90,000</b>	<b>\$ 210,000</b>	<b>\$ 157,000</b>	<b>\$ 582,000</b>

Vehicle Replacement Acct	2017	2018	2019	2020	2021	2022	Total
<b>BEGINNING BALANCE</b>	<b>\$ 213,613</b>	<b>\$ 235,912</b>	<b>\$ 251,339</b>	<b>\$ 336,622</b>	<b>\$ 334,404</b>	<b>\$ 207,211</b>	<b>\$ 213,613</b>
<u>Sources:</u>							
Net Interest Earnings	3,204	4,718	6,283	8,416	10,032	7,252	39,906
Revenue from Surplus Sales	7,595	4,563	-	12,448	29,917	23,038	77,561
Transfer from Operating Revenues	75,000	77,000	79,000	81,000	83,000	85,000	480,000
<b>Total Sources</b>	<b>\$ 299,412</b>	<b>\$ 322,193</b>	<b>\$ 336,622</b>	<b>\$ 438,486</b>	<b>\$ 457,354</b>	<b>\$ 322,501</b>	<b>\$ 811,079</b>
<u>Uses:</u>							
Unit # 25 2018 Forklift	-	(32,702)	-	-	-	-	(32,702)
Unit # 2 2010 F-150 P/U	(31,750)	-	-	-	-	-	(31,750)
Unit # 3 2010 F-150 P/U	(31,750)	-	-	-	-	-	(31,750)
Unit # 4 2000 Dodge P/U - Unit 21 2015 F-150 P/U	-	-	-	-	-	(36,807)	(36,807)
Unit # 5 GMC 10 Yard Dump	-	-	-	-	(121,498)	-	(121,498)
Unit # 8 2010 F-150 4x4	-	(38,153)	-	-	-	-	(38,153)
Unit # 15 2001 Chevy P/U - Unit 22 2015 F-150 P/U	-	-	-	-	-	(42,941)	(42,941)
Unit # 17 2007 International 5 Yard Dump	-	-	-	-	-	(112,874)	(112,874)
Unit # 18 2013 F-350 Service Body	-	-	-	-	-	-	-
Unit # 19 2013 F-150 P/U	-	-	-	(104,081)	-	-	(104,081)
Unit # 20 F-550 Service Van	-	-	-	-	-	-	-
2000 Durango - Unit 23 2015 Ford Explorer	-	-	-	-	-	-	-
District Manager Vehicle - Unit 24 2015 Ford Explorer	-	-	-	-	-	-	-
TR-1 Backhoe 1991	-	-	-	-	(128,645)	-	(128,645)
TR-2 Backhoe 2001	-	-	-	-	-	-	-
<b>Total Uses</b>	<b>\$ (63,500)</b>	<b>\$ (70,855)</b>	<b>\$ -</b>	<b>\$ (104,081)</b>	<b>\$ (250,142)</b>	<b>\$ (192,622)</b>	<b>\$ (681,200)</b>
<b>ENDING BALANCE</b>	<b>\$ 235,912</b>	<b>\$ 251,339</b>	<b>\$ 336,622</b>	<b>\$ 334,404</b>	<b>\$ 207,211</b>	<b>\$ 129,880</b>	<b>\$ 129,880</b>

**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 14 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

### 2017-2018 Budget

Vehicle Replacement Plan	Year in Service	Life	Initial Repl Yr	2023	2024	2025	2026	2027	2028	TOTAL
Unit # 25 2018 -Forklift	2018	15	2018	-	-	-	-	-	-	\$ -
Unit # 2 2010 F-150 P/U	2010	7	2017	-	30,000	-	-	-	-	\$ 30,000
Unit # 3 2010 F-150 P/U	2010	7	2017	-	30,000	-	-	-	-	\$ 30,000
Unit # 4 Rpl Unit 21 2015 F-150 PU	2000	7	2015	-	-	-	-	-	-	\$ -
Unit # 5 GMC 10 Yard Dump	1997	15	2021	-	-	-	-	-	-	\$ -
Unit # 8 2010 F-150 4x4	2010	8	2018	-	-	-	35,000	-	-	\$ 35,000
Unit # 15 Repl Unit 22 2015 F-150 PU	2001	7	2015	-	-	-	-	-	-	\$ -
Unit # 17 2007 Interl 5 Yard Dump	2007	15	2022	-	-	-	-	-	-	\$ -
Unit # 18 2013 F-350 Service Body	2013	10	2023	56,000	-	-	-	-	-	\$ 56,000
Unit # 19 2013 F-150 P/U	2013	7	2020	-	-	-	-	90,000	-	\$ 90,000
Unit # 20 F-550 Service Van	2013	15	2028	-	-	-	-	-	93,000	\$ 93,000
Unit 23 2015 Ford Explorer	2000	8	2015	38,600	-	-	-	-	-	\$ 38,600
Unit 23 2015 Ford Explorer	2015	8	2023	38,600	-	-	-	-	-	\$ 38,600
TR-1 Backhoe 1991	1991	25	2021	-	-	-	-	-	-	\$ -
TR-2 Backhoe 2003	2003	25	2028	-	-	-	-	-	108,000	\$ 108,000
<b>TOTAL</b>				<b>\$ 133,200</b>	<b>\$ 60,000</b>	<b>\$ -</b>	<b>\$ 35,000</b>	<b>\$ 90,000</b>	<b>\$ 201,000</b>	<b>\$ 519,200</b>

Vehicle Replacement Account	2023	2024	2025	2026	2027	2028	Total
<b>BEGINNING BALANCE</b>	\$ 129,880	\$ 74,233	\$ 99,075	\$ 196,543	\$ 257,871	\$ 254,200	\$ 129,880
<u>Sources:</u>							
Net Interest Earnings	4,546	2,598	3,468	6,879	9,026	8,897	35,413
Revenue from Surplus Sales	20,132	9,340	-	5,780	15,310	35,217	85,779
Transfer from Operating Revenues	88,000	91,000	94,000	97,000	100,000	103,000	573,000
<b>Total Sources</b>	<b>\$ 242,557</b>	<b>\$ 177,171</b>	<b>\$ 196,543</b>	<b>\$ 306,202</b>	<b>\$ 382,207</b>	<b>\$ 401,314</b>	<b>\$ 824,072</b>
<u>Uses:</u>							
Unit # 25 2018 Forklift	-	-	-	-	-	-	-
Unit # 2 2010 F-150 P/U	-	(39,048)	-	-	-	-	(39,048)
Unit # 3 2010 F-150 P/U	-	(39,048)	-	-	-	-	(39,048)
Unit # 4 2000 Dodge P/U - Unit 21 2015 F-150 P/U	-	-	-	-	-	-	-
Unit # 5 GMC 10 Yard Dump	-	-	-	-	-	-	-
Unit # 8 2010 F-150 4x4	-	-	-	(48,331)	-	-	(48,331)
Unit # 15 2001 Chevy P/U - Unit 22 2015 F-150 P/U	-	-	-	-	-	-	-
Unit # 17 2007 International 5 Yard Dump	-	-	-	-	-	-	-
Unit # 18 2013 F-350 Service Body	(70,767)	-	-	-	-	-	(70,767)
Unit # 19 2013 F-150 P/U	-	-	-	-	(128,007)	-	(128,007)
Unit # 20 F-550 Service Van	-	-	-	-	-	(136,242)	(136,242)
2000 Durango - Unit 23 2015 Ford Explorer	(48,779)	-	-	-	-	-	(48,779)
District Manager Vehicle - Unit 24 2015 Ford Explorer	(48,779)	-	-	-	-	-	(48,779)
TR-1 Backhoe 1991	-	-	-	-	-	-	-
TR-2 Backhoe 2001	-	-	-	-	-	(158,217)	(158,217)
<b>Total Uses</b>	<b>\$ (168,324)</b>	<b>\$ (78,096)</b>	<b>\$ -</b>	<b>\$ (48,331)</b>	<b>\$ (128,007)</b>	<b>\$ (294,459)</b>	<b>\$ (717,217)</b>
<b>ENDING BALANCE</b>	<b>\$ 74,233</b>	<b>\$ 99,075</b>	<b>\$ 196,543</b>	<b>\$ 257,871</b>	<b>\$ 254,200</b>	<b>\$ 106,855</b>	<b>\$ 106,855</b>

**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 14 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

### 2017-2018 - Budget

Year	2011 Revenue Bond \$9,865,000		PWTF Loan Prin & Int	DWSRF Loan \$ 4,033,931 Est. Prin & Int	2016 Revenue Bond \$7,685,000		COMBINED ANNUAL DEBT SERVICE	CAPITALIZED INTEREST	NET DEBT SERVICE
	Principal	Interest			Principal	Interest			
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		37,894			798,742	(104,702)	694,040
2016	540,000	225,348		34,392		-	799,740	(153,000)	646,740
<b>2017</b>	<b>555,000</b>	<b>214,548</b>		<b>329,476</b>	-	<b>256,167</b>	<b>1,355,190</b>	<b>(120,000)</b>	<b>1,235,190</b>
<b>2018</b>	<b>565,000</b>	<b>203,448</b>		<b>258,377</b>	-	<b>307,400</b>	<b>1,334,225</b>	<b>(250,000)</b>	<b>1,084,225</b>
2019	580,000	192,148		255,352	-	307,400	1,334,900	(300,000)	1,034,900
2020	395,000	179,098		252,326	-	307,400	1,133,824		1,133,824
2021	405,000	169,223		249,301	-	307,400	1,130,924		1,130,924
2022	415,000	159,098		246,275	-	307,400	1,127,773		1,127,773
2023	430,000	147,685		243,250	-	307,400	1,128,335		1,128,335
2024	440,000	134,785		240,224	-	307,400	1,122,409		1,122,409
2025	455,000	121,585		237,199	-	307,400	1,121,184		1,121,184
2026	465,000	107,935		234,174	-	307,400	1,114,509		1,114,509
2027	480,000	93,985		231,148	-	307,400	1,112,533		1,112,533
2028	500,000	77,185		228,123	-	307,400	1,112,708		1,112,708
2029	515,000	58,435		225,097	-	307,400	1,105,932		1,105,932
2030	535,000	40,925		222,072	-	307,400	1,105,397		1,105,397
2031	555,000	22,200		219,046	-	307,400	1,103,646		1,103,646
2032				216,021	385,000	307,400	908,421		908,421
2033				212,995	400,000	292,000	904,995		904,995
2034				209,970	415,000	276,000	900,970		900,970
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
<b>TOTAL</b>	<b>\$ 9,865,000</b>	<b>\$ 3,087,189</b>	<b>\$ 218,260</b>	<b>\$ 4,740,448</b>	<b>\$ 7,685,000</b>	<b>\$ 7,242,967</b>	<b>\$ 32,838,863</b>	<b>\$ (1,243,618)</b>	<b>\$ 31,595,245</b>





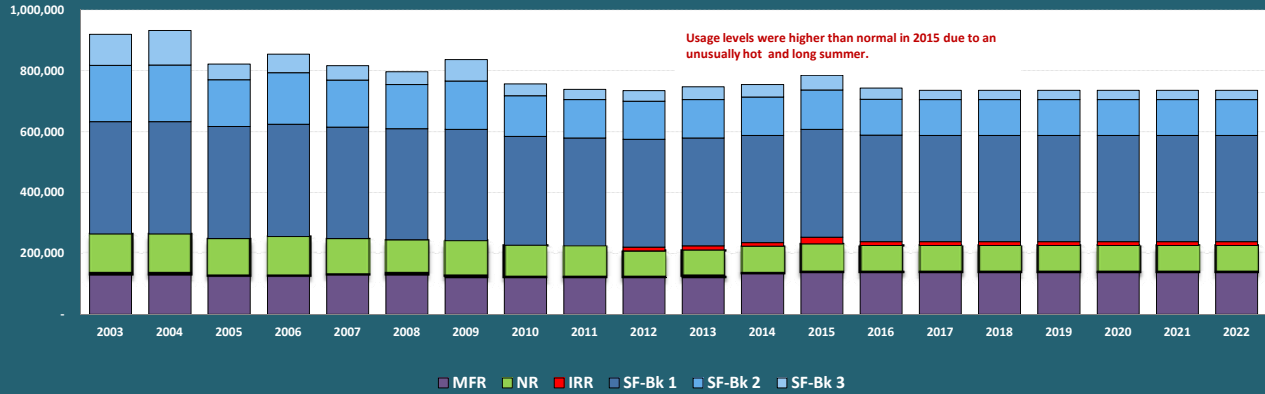
## **Revenues**



# Usage History with Forecast - 2003-2022

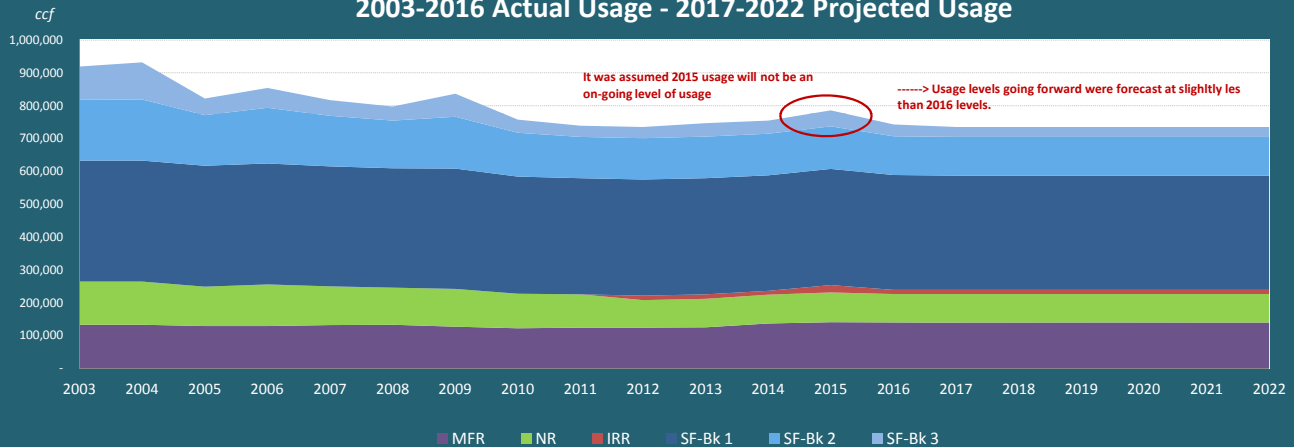
2017-2018 - Budget

### 2003-2022 Actual and Projected Usage in ccf



CLASS / BLOCKS	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
IRR										13,000	13,664	11,990	21,972	12,983	12,983	12,983	12,983	12,983	12,983	12,983
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	86,788	86,788	86,788	86,788	86,788	86,788	86,788
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	139,557	139,557	139,557	139,557	139,557	139,557	139,557
SF-Bk 3	101,810	113,220	50,760	60,901	47,186	42,603	70,507	39,733	33,782	34,190	41,167	39,981	48,436	35,933	30,221	30,221	30,221	30,221	30,221	30,221
SF-Bk 2	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	118,544	118,105	118,105	118,105	118,105	118,105	118,105
SF-Bk 1	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	349,465	348,171	348,171	348,171	348,171	348,171	348,171
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	786,050	743,269	735,824	735,824	735,824	735,824	735,824	735,824

### 2003-2016 Actual Usage - 2017-2022 Projected Usage



Both of the graphs shown above show the actual water usage by class, and by block within the Single Family class, from 2003 through 2016. After 2016, the usage is projected to remain slightly below the 2016 level going forward. It is projected to be lower due to the expected loss in usage from approximately sixty homes being purchased by Sound Transit. 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. During 2015, the use of water during the summer months caused a temporary curtailment in water usage on a regional level but usage for North City customers was not affected. In fact, 2015 was a banner year for the District. 2016 was a wet summer and the usage fell below the levels in 2013-2014. Given the volatility in weather patterns in recent years, the 2016 usage, adjusted for lost customers, will be used going forward.



## Revenue Requirement Increases

### 2017-2018 - Budget

Projected Costs (Needs/Uses):	2017	2018	Combined
Purchased Water:	\$ 1,354,000	\$ 1,625,000	\$ 2,979,000
Salaries and Benefits (net capitalization)	1,449,691	1,460,663	2,910,354
Administration and O&M	804,616	847,800	1,652,416
Taxes	335,578	345,414	680,992
Franchise Fees	376,071	387,362	763,433
Debt Service	1,235,190	1,084,225	2,319,416
Capital Transfer	1,200,000	1,100,000	2,300,000
CIC Transfer	262,676	270,556	533,231
Vehicle Replacement Contribution	75,000	77,000	152,000
Transfer to Perservation Account	50,000	50,000	100,000
Additions to (Use of ) Reserves	<u>(90,583)</u>	<u>21,622</u>	<u>(68,961)</u>
<b>Total Projected Costs (Needs/Uses)</b>	<b>7,052,238</b>	<b>7,269,642</b>	<b>14,321,880</b>
Less Interest Earnings	(20,459)	(25,467)	(45,925)
Less Other Revenue <i>(Late Fees, Rents, Hookups)</i>	(521,934)	(538,870)	(1,060,804)
<b>Rate Revenues Required <i>(Revenue Requirement)</i></b>	<b>\$ 6,509,845</b>	<b>\$ 6,705,306</b>	<b>\$ 13,215,151</b>
Less Revenues at Existing Rates	(6,217,617)	(6,509,845)	(12,727,462)
<b>Revenue Short Fall</b>	<b>\$ 292,228</b>	<b>\$ 195,461</b>	<b>\$ 487,689</b>
<b>% Rate Revenue Increase Needed</b>	<b>4.70%</b>	<b>3.00%</b>	<b>7.84%</b>



## Summary of Service & Other Revenue

### 2017 - Budget

	<i>Base &amp; Usage Revenue</i>	<i>CIC Revenue</i>	<i>ERU Revenue</i>	<i>Franchise Fee Revenue</i>	<i>Total Revenue</i>
<b>Base Revenue - 2017 stats at 2016 Rates</b>					
<b>SERVICE REVENUE</b>					
SINGLE FAMILY	\$ 3,809,004	\$ 143,081	\$ 184,995	\$ 247,722	\$ 4,384,801
MULTI - FAMILY	752,933	53,644	69,316	50,818	926,711
TOTAL NON-RESIDENTIAL	-	-	-	-	-
<i>Commercial</i>	330,836	28,919	37,238	23,399	420,392
<i>Municipal</i>	48,371	15,661	20,263	5,006	89,301
<i>Wholesale</i>	153,980	9,006	11,651	10,422	185,058
TOTAL NON-RESIDENTIAL	533,186	53,586	69,152	38,826	694,751
IRRIGATION	117,049	573	-	10,089	127,712
FIRELINES	79,157	-	-	4,485	83,641
<b>TOTAL SERVICE REVENUE</b>	<b>5,291,330</b>	<b>250,884</b>	<b>323,463</b>	<b>351,941</b>	<b>6,217,617</b>
<b>OTHER REVENUE</b>	<b>542,393</b>				<b>542,393</b>
<b>Total Base Revenue</b>	<b>\$ 5,833,722</b>	<b>\$ 250,884</b>	<b>\$ 323,463</b>	<b>\$ 351,941</b>	<b>\$ 6,760,010</b>
<b>Revenue Increase Needed</b>					
<b>SERVICE REVENUE</b>					
SINGLE FAMILY	\$ 179,023	\$ 6,725	\$ 8,695	\$ 11,643	\$ 206,086
MULTI - FAMILY	35,388	2,521	3,258	2,388	43,555
NON-RESIDENTIAL					
<i>Commercial</i>	15,549	1,359	1,750	1,100	19,758
<i>Municipal</i>	2,273	736	952	235	4,197
<i>Wholesale</i>	7,237	423	548	490	8,698
TOTAL NON-RESIDENTIAL	25,060	2,519	3,250	1,825	32,653
IRRIGATION	5,501	27	-	474	6,002
FIRELINES	3,720	-	-	211	3,931
<b>TOTAL SERVICE REVENUE</b>	<b>248,692</b>	<b>11,792</b>	<b>15,203</b>	<b>16,541</b>	<b>292,228</b>
<b>TOTAL OTHER REVENUE</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total Revenue Increase</b>	<b>\$ 248,692</b>	<b>\$ 11,792</b>	<b>\$ 15,203</b>	<b>\$ 16,541</b>	<b>\$ 292,228</b>
<b>Total Revenue - 2017</b>					
<b>SERVICE REVENUE</b>					
SINGLE FAMILY	\$ 3,988,027	\$ 149,806	\$ 193,690	\$ 259,365	\$ 4,590,887
MULTI - FAMILY	788,321	56,165	72,574	53,207	970,266
NON-RESIDENTIAL					
<i>Commercial</i>	346,386	30,279	38,988	24,498	440,151
<i>Municipal</i>	50,644	16,398	21,215	5,241	93,498
<i>Wholesale</i>	161,217	9,429	12,199	10,912	193,756
TOTAL NON-RESIDENTIAL	558,246	56,105	72,402	40,651	727,405
IRRIGATION	122,551	600	-	10,564	133,714
FIRELINES	82,877	-	-	4,695	87,573
<b>TOTAL SERVICE REVENUE</b>	<b>5,540,022</b>	<b>262,676</b>	<b>338,666</b>	<b>368,482</b>	<b>6,509,845</b>
<b>TOTAL OTHER REVENUE</b>	<b>542,393</b>				<b>542,393</b>
<b>Total Revenue - 2017</b>	<b>\$ 6,082,415</b>	<b>\$ 262,676</b>	<b>\$ 338,666</b>	<b>\$ 368,482</b>	<b>\$ 7,052,238</b>



## Summary of Service & Other Revenue

### 2018 - Budget

	<i>Base &amp; Usage Revenue</i>	<i>CIC Revenue</i>	<i>ERU Revenue</i>	<i>Franchise Fee Revenue</i>	<i>Total Revenue</i>
<b>Base Revenue - 2018 stats at 2017 Rates</b>					
<b>SERVICE REVENUE</b>					
SINGLE FAMILY	\$ 3,988,027	\$ 149,806	\$ 193,690	\$ 259,365	\$ 4,590,887
MULTI - FAMILY	788,321	56,165	72,574	53,207	970,266
TOTAL NON-RESIDENTIAL	-	-	-	-	-
<i>Commercial</i>	346,386	30,279	38,988	24,498	440,151
<i>Municipal</i>	50,644	16,398	21,215	5,241	93,498
<i>Wholesale</i>	161,217	9,429	12,199	10,912	193,756
TOTAL NON-RESIDENTIAL	558,246	56,105	72,402	40,651	727,405
IRRIGATION	122,551	600	-	10,564	133,714
FIRELINES	82,877	-	-	4,695	87,573
<b>TOTAL SERVICE REVENUE</b>	<b>5,540,022</b>	<b>262,676</b>	<b>338,666</b>	<b>368,482</b>	<b>6,509,845</b>
<b>OTHER REVENUE</b>	<b>564,336</b>				<b>564,336</b>
<b>Total Base Revenue</b>	<b>\$ 6,104,358</b>	<b>\$ 262,676</b>	<b>\$ 338,666</b>	<b>\$ 368,482</b>	<b>\$ 7,074,181</b>
<b>Revenue Increase Needed</b>					
<b>SERVICE REVENUE</b>					
SINGLE FAMILY	\$ 119,797	\$ 4,494	\$ 5,811	\$ 7,788	\$ 137,889
MULTI - FAMILY	23,650	1,685	2,177	1,598	29,109
NON-RESIDENTIAL					
<i>Commercial</i>	10,392	908	1,170	736	13,205
<i>Municipal</i>	1,519	492	636	157	2,805
<i>Wholesale</i>	4,836	283	366	328	5,813
TOTAL NON-RESIDENTIAL	16,747	1,683	2,172	1,221	21,823
IRRIGATION	3,677	18	-	317	4,012
FIRELINES	2,486	-	-	141	2,627
<b>TOTAL SERVICE REVENUE</b>	<b>166,357</b>	<b>7,880</b>	<b>10,160</b>	<b>11,064</b>	<b>195,461</b>
<b>TOTAL OTHER REVENUE</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total Revenue Increase</b>	<b>\$ 166,357</b>	<b>\$ 7,880</b>	<b>\$ 10,160</b>	<b>\$ 11,064</b>	<b>\$ 195,461</b>
<b>Total Revenue - 2018</b>					
<b>SERVICE REVENUE</b>					
SINGLE FAMILY	\$ 4,107,824	\$ 154,300	\$ 199,500	\$ 267,152	\$ 4,728,776
MULTI - FAMILY	811,970	57,850	74,751	54,804	999,376
NON-RESIDENTIAL					
<i>Commercial</i>	356,777	31,187	40,158	25,234	453,356
<i>Municipal</i>	52,163	16,889	21,852	5,398	96,303
<i>Wholesale</i>	166,053	9,712	12,565	11,239	199,569
TOTAL NON-RESIDENTIAL	574,994	57,788	74,574	41,872	749,228
IRRIGATION	126,227	618	-	10,881	137,726
FIRELINES	85,364	-	-	4,836	90,200
<b>TOTAL SERVICE REVENUE</b>	<b>5,706,379</b>	<b>270,556</b>	<b>348,826</b>	<b>379,546</b>	<b>6,705,306</b>
<b>TOTAL OTHER REVENUE</b>	<b>564,336</b>				<b>564,336</b>
<b>Total Revenue - 2018</b>	<b>\$ 6,270,715</b>	<b>\$ 270,556</b>	<b>\$ 348,826</b>	<b>\$ 379,546</b>	<b>\$ 7,269,642</b>



## **Rates**



# Water Rates & Charges

## 2017 - Budget

Meter Size		Base Rate		Water Usage Charge			CIC & ERU	
<b>Rate Code</b>	<b>Single Family Residential or Open Air Condominium</b> <i>BI-MONTHLY</i>			Usage 0 to 10 CCF	Usage 11 to 24 CCF	Usage 25 and > CCF	CIC per Dwelling	ERU per Dwelling
158	5/8 / 3/4	\$	49.49	\$ 3.00	\$ 4.61	\$ 6.20	\$ 3.33	\$ 4.30
101	1"		94.76	3.00	4.61	6.20	3.33	4.30
115	1 1/2"		167.16	3.00	4.61	6.20	3.33	4.30
102	2"		261.10	3.00	4.61	6.20	3.33	4.30
<b>Rate Code</b>	<b>1" Flow-Through Residential Meters (domestic and fire protection)</b> <i>Billed Bi-Monthly</i>			Usage 0 to 10 CCF	Usage 11 to 24 CCF	Usage 25 > CCF		
159	1"	\$	49.49	\$ 3.00	\$ 4.61	\$ 6.20		
<b>Rate Code</b>	<b>Multifamily Residential</b> <i>BI-MONTHLY</i>			Usage Threshold	Water Use Charge		CIC per ERU	ERU by Sq Ft
558	5/8 / 3/4	\$	49.49	0 and > CCF	\$ 3.67		\$ 3.33	\$ 4.30
501/521	1"		94.76	0 and > CCF	3.67		3.33	4.30
515/525	1 1/2"		167.16	0 and > CCF	3.67		3.33	4.30
502/522	2"		261.10	0 and > CCF	3.67		3.33	4.30
503/523	3"		570.52	0 and > CCF	3.67		3.33	4.30
<b>Rate Code</b>	Number of Dwellings	<b>Multifamily Residential</b> <i>BI-MONTHLY/MONTHLY</i>		Usage Threshold	Water Use Charge		CIC per ERU	ERU by Sq Ft
504/524	4"	848.96	424.48	0 and > CCF	\$ 3.67		\$ 3.33	\$ 4.30
506/526	6"	1,607.18	803.59	0 and > CCF	3.67		3.33	4.30
<b>Rate Code</b>	<b>Non Residential - Commercial</b> <i>BI-MONTHLY</i>			Usage Threshold	Water Use Charge		CIC per ERU	ERU by Sq Ft
458	5/8 / 3/4	\$	49.49	0 and > CCF	\$ 4.36		\$ 3.33	\$ 4.30
401	1"		94.76	0 and > CCF	4.36		3.33	4.30
415	1 1/2"		167.16	0 and > CCF	4.36		3.33	4.30
402	2"		261.10	0 and > CCF	4.36		3.33	4.30
403	3"		570.52	0 and > CCF	4.36		3.33	4.30
404	4"		848.96	0 and > CCF	4.36		3.33	4.30
406	6"		1,607.18	0 and > CCF	4.36		3.33	4.30
408	8"		2,512.48	0 and > CCF	4.36		3.33	4.30
<b>Rate Code</b>	<b>Non Residential - Municipal</b> <i>BI-MONTHLY/MONTHLY</i>			Usage Threshold	Water Use Charge		CIC per ERU	ERU by Sq Ft
118	5/8 / 3/4	49.49	24.75	0 and > CCF	\$ 4.36		\$ 3.33	\$ 4.30
111	1"	94.76	47.38	0 and > CCF	4.36		3.33	4.30
119	1 1/2"	167.16	83.58	0 and > CCF	4.36		3.33	4.30
112	2"	261.10	130.55	0 and > CCF	4.36		3.33	4.30
113	3"	570.52	285.26	0 and > CCF	4.36		3.33	4.30
114	4"	848.96	424.48	0 and > CCF	4.36		3.33	4.30
<b>Rate Code</b>	<b>Non Residential - Wholesale</b> <i>BI-MONTHLY/MONTHLY</i>			Usage Threshold	Water Use Charge	Rate Code	CIC per ERU	ERU by Sq Ft
626	6"	\$ 1,607.18	803.59	0 and > CCF	4.36	606	\$ 3.33	\$ 4.30
628	8"	\$ 2,512.48	1,256.24	0 and > CCF	4.36	608	\$ 3.33	\$ 4.30
<b>Rate Code</b>	<b>LIFE SAVING MEDICAL TREATMENT</b> Single Family Residential or Open Air Condominium <i>BI-MONTHLY</i>			Usage 0-10 CCF	Usage 11-24 CCF	Usage 25 and > CCF	CIC per dwelling	ERU per Dwelling
358	5/8 / 3/4	\$	49.49	\$ 3.00	\$ 4.61	\$ 6.20	\$ 3.33	\$ 4.30
301	1"		94.76	3.00	4.61	6.20	3.33	4.30
315	1 1/2"		167.16	3.00	4.61	6.20	3.33	4.30
302	2"		261.10	3.00	4.61	6.20	3.33	4.30
<b>Rate Code</b>	<b>Fire Sprinkler Service</b> <i>BI-MONTHLY/MONTHLY</i>							
F10	1.0"	\$	26.90					
F15	1.5"		31.48					
F20	2"		44.00					
F30	3"		136.30					
F40	4"		170.50					
F60	6"		250.26					
F80	8"		341.42					
<b>Rate Code</b>	<b>Irrigation</b> <i>BI-MONTHLY/MONTHLY</i>			Usage Threshold	Water Use Charge		CIC per ERU	
258/258	5/8 / 3/4	\$	69.26	0 and > CCF	\$ 6.20		\$ 3.33	
211/211	1"		144.26	0 and > CCF	6.20		3.33	
215/215	1 1/2"		266.12	0 and > CCF	6.20		3.33	
202/202	2"		419.44	0 and > CCF	6.20		3.33	
203/203	3"		887.22	0 and > CCF	6.20		3.33	
204/204	4"		1,343.78	0 and > CCF	6.20		3.33	
206/206	6"		2,596.84	0 and > CCF	6.20		3.33	
208/208	8"		4,095.94	0 and > CCF	6.20		3.33	

**There is a 6% City Franchise Fee added to the customers total billing.**





# Water Rates & Charges

## 2018 - Budget

Meter Size		Base Rate	Water Usage Charge			CIC & ERU	
<b>Rate Code</b>	<b>Single Family Residential or Open Air Condominium</b> <i>BI-MONTHLY</i>		Usage 0 to 10 CCF	Usage 11 to 24 CCF	Usage 25 and > CCF	CIC per Dwelling	ERU per Dwelling
158	5/8 / 3/4						
101	1"						
115	1 1/2"						
102	2"						
<b>Rate Code</b>	<b>1" Flow-Through Residential Meters (domestic and fire protection)</b> <i>Billed Bi-Monthly</i>		Usage 0 to 10 CCF	Usage 11 to 24 CCF	Usage 25 > CCF		
159	1"	\$ -					
<b>Rate Code</b>	<b>Multifamily Residential</b> <i>BI-MONTHLY</i>		Usage Threshold	Water Use Charge		CIC per ERU	ERU by Sq Ft
558	5/8 / 3/4		0 and > CCF				
501/521	1"		0 and > CCF				
515/525	1 1/2"		0 and > CCF				
502/522	2"		0 and > CCF				
503/523	3"		0 and > CCF				
<b>Rate Code</b>	<b>Non Residential - Commercial</b> <i>BI-MONTHLY</i>		Usage Threshold	Water Use Charge		CIC per ERU	ERU by Sq Ft
504/524	4"	424.48	0 and > CCF	\$ -			
506/526	6"	803.59	0 and > CCF	-			
<b>Rate Code</b>	<b>Non Residential - Municipal</b> <i>BI-MONTHLY/MONTHLY</i>		Usage Threshold	Water Use Charge		CIC per ERU	ERU by Sq Ft
118	5/8 / 3/4		0 and > CCF	\$ -			
111	1"		0 and > CCF	-			
119	1 1/2"		0 and > CCF	-			
112	2"		0 and > CCF	-			
113	3"		0 and > CCF	-			
114	4"		0 and > CCF	-			
<b>Rate Code</b>	<b>Non Residential - Wholesale</b> <i>BI-MONTHLY/MONTHLY</i>		Usage Threshold	Water Use Charge	<b>Rate Code</b>	CIC per ERU	ERU by Sq Ft
626	6"		0 and > CCF	-	<b>606</b>		
628	8"		0 and > CCF	-	<b>608</b>		
<b>Rate Code</b>	<b>LIFE SAVING MEDICAL TREATMENT</b> Single Family Residential or Open Air Condominium <i>BI-MONTHLY</i>		Usage 0-10 CCF	Usage 11-24 CCF	Usage 25 and > CCF	CIC per dwelling	ERU per Dwelling
358	5/8 / 3/4						
301	1"						
315	1 1/2"						
302	2"						
<b>Rate Code</b>	<b>Fire Sprinkler Service</b> <i>BI-MONTHLY/MONTHLY</i>						
F10	1.0"						
F15	1.5"						
F20	2"						
F30	3"						
F40	4"						
F60	6"						
F80	8"						
<b>Rate Code</b>	<b>Irrigation</b> <i>BI-MONTHLY/MONTHLY</i>		Usage Threshold	Water Use Charge		CIC per ERU	
258/258	5/8 / 3/4		0 and > CCF				
211/211	1"		0 and > CCF				
215/215	1 1/2"		0 and > CCF				
202/202	2"		0 and > CCF				
203/203	3"		0 and > CCF				
204/204	4"		0 and > CCF				
206/206	6"		0 and > CCF				
208/208	8"		0 and > CCF				

**There is a 6% City Franchise Fee added to the customers total billing.**



## Bi-Monthly Bill Comparisons

### 2017 - Budget

DISTRICT/CITY	Winter Usage - 10 CCF			Summer Usage - 16 CCF			Annualized
	Base Rate	Usage	Total	Base Rate	Usage	Total	Total
<b>2016</b>							
Seattle Public Utilities-Shoreline & LFP	\$ 34.30	\$ 67.54	\$ 101.84	\$ 34.30	\$ 141.10	\$ 175.40	\$ 126.36
WD 119	\$ 80.00	\$ 26.29	\$ 106.29	\$ 80.00	\$ 60.30	\$ 140.30	\$ 117.63
Lake Forest Park Water District	\$ 59.74	\$ 37.18	\$ 96.92	\$ 59.74	\$ 67.60	\$ 127.34	\$ 107.06
<b>North City Water District</b>	<b>\$ 57.83</b>	<b>\$ 35.16</b>	<b>\$ 92.99</b>	<b>\$ 57.83</b>	<b>\$ 77.10</b>	<b>\$ 134.93</b>	<b>\$ 106.97</b>
Woodinville Water District	\$ 41.00	\$ 42.66	\$ 83.66	\$ 41.00	\$ 106.38	\$ 147.38	\$ 104.90
Seattle Public Utilities-inside Seattle	\$ 28.30	\$ 55.66	\$ 83.96	\$ 28.30	\$ 116.30	\$ 144.60	\$ 104.17
City of Bellevue	\$ 47.40	\$ 41.03	\$ 88.43	\$ 47.40	\$ 88.04	\$ 135.44	\$ 104.10
Skyway Water & Sewer District	\$ 35.58	\$ 46.60	\$ 82.18	\$ 35.58	\$ 102.08	\$ 137.66	\$ 100.67
City of Duvall	\$ 51.34	\$ 30.05	\$ 81.39	\$ 51.34	\$ 87.40	\$ 138.74	\$ 100.51
City of Kirkland	\$ 44.62	\$ 37.45	\$ 82.07	\$ 44.62	\$ 85.60	\$ 130.22	\$ 98.12
Coal Creek	\$ 42.22	\$ 39.32	\$ 81.54	\$ 42.22	\$ 80.00	\$ 122.22	\$ 95.10
Mercer Island	\$ 30.84	\$ 42.79	\$ 73.63	\$ 30.84	\$ 98.50	\$ 129.34	\$ 92.20
Northshore Utility District	\$ 32.64	\$ 40.02	\$ 72.66	\$ 32.64	\$ 81.60	\$ 114.24	\$ 86.52
WD 90	\$ 51.00	\$ 18.00	\$ 69.00	\$ 51.00	\$ 58.50	\$ 109.50	\$ 82.50
Samamish Plateau	\$ 54.62	\$ 20.02	\$ 74.64	\$ 54.62	\$ 39.60	\$ 94.22	\$ 81.17
Highline Water District	\$ 28.80	\$ 39.05	\$ 67.85	\$ 28.80	\$ 77.50	\$ 106.30	\$ 80.67
Renton	\$ 35.20	\$ 28.81	\$ 64.01	\$ 35.20	\$ 59.50	\$ 94.70	\$ 74.24
Bothell	\$ 27.96	\$ 31.53	\$ 59.49	\$ 27.96	\$ 67.80	\$ 95.76	\$ 71.58
Olympic View Water & Sewer District	\$ 37.00	\$ 23.87	\$ 60.87	\$ 37.00	\$ 48.40	\$ 85.40	\$ 69.05
<b>2017</b>							
Seattle Public Utilities-Shoreline & LFP	\$ 34.30	\$ 67.54	\$ 101.84	\$ 34.30	\$ 141.10	\$ 175.40	\$ 126.36
<b>North City Water District</b>	<b>\$ 60.55</b>	<b>\$ 36.81</b>	<b>\$ 97.36</b>	<b>\$ 60.55</b>	<b>\$ 80.72</b>	<b>\$ 141.27</b>	<b>\$ 112.00</b>
City of Bellevue	\$ 49.17	\$ 42.39	\$ 91.56	\$ 49.17	\$ 90.99	\$ 140.16	\$ 107.76
Woodinville Water District	\$ 41.80	\$ 43.47	\$ 85.27	\$ 41.80	\$ 108.54	\$ 150.34	\$ 106.96
Seattle Public Utilities-Inside Seattle	\$ 28.30	\$ 55.66	\$ 83.96	\$ 28.30	\$ 116.30	\$ 144.60	\$ 104.17
City of Kirkland	\$ 45.38	\$ 38.09	\$ 83.47	\$ 45.38	\$ 87.06	\$ 132.43	\$ 99.79

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

	2016 Bi-Monthly Bill		2017 Bi-Monthly Bill	
	11 CCF	20 CCF	11 CCF	20 CCF
<b>Base Charge</b>				
Base Rate 5/8"	\$ 47.27	\$ 47.27	\$ 49.49	\$ 49.49
Fire Protection per 1 ERU	\$ 4.11	\$ 4.11	\$ 4.30	\$ 4.30
Capital Improvement Charge PER ERU	\$ 3.18	\$ 3.18	\$ 3.33	\$ 3.33
Franchise Fee (6% FF )	\$ 3.27	\$ 3.27	\$ 3.43	\$ 3.43
<b>Total Base Charge</b>	<b>\$ 57.83</b>	<b>\$ 57.83</b>	<b>\$ 60.55</b>	<b>\$ 60.55</b>
<b>Consumption Charge (including 6% FF)</b>	<b>\$ 35.16</b>	<b>\$ 77.10</b>	<b>\$ 36.81</b>	<b>\$ 80.72</b>
<b>Total Bi-Monthly Beill</b>	<b>\$ 92.99</b>	<b>\$ 134.93</b>	<b>\$ 97.36</b>	<b>\$ 141.27</b>
<b>Consumption Rates</b>				
Block 1 = 0-10 ccf	\$ 2.87	\$ 3.05	\$ 3.01	\$ 3.19
Block 2 = 11- 24 ccf	\$ 4.40	\$ 4.66	\$ 4.60	\$ 4.88
Block 3 = over 25 ccf	\$ 5.92	\$ 6.28	\$ 6.20	\$ 6.57



## **Forecasts**



# Cash Flow Forecast

## 2017-2022 Forecast

OPERATING ACCOUNT	2016	2017	2018	2019	2020	2021	2022	2017-2022
<b>Sources:</b>								
BEGINNING BALANCE	\$ 1,355,949	\$ 1,363,918	\$ 1,273,335	\$ 1,294,957	\$ 1,522,603	\$ 1,702,818	\$ 1,680,807	\$ 1,363,918
Rate Revenue Increase	3.0%	4.7%	3.0%	4.0%	4.0%	4.0%	4.0%	
Cumulative Rate Increase - 2017-2022		4.7%	7.8%	12.2%	16.6%	21.3%	26.2%	
<b>REVENUE</b>								
Net Interest Earnings	26,513	20,459	25,467	32,374	38,065	51,085	58,828	226,277
Fixed and Usage Service Revenue	5,340,230	5,462,344	5,626,214	5,834,858	6,068,253	6,310,983	6,563,422	35,866,073
All Other Service Revenues	1,142,496	1,187,301	1,223,086	1,271,245	1,322,315	1,375,208	1,430,216	7,809,372
Total Service Revenues	6,482,726	6,649,645	6,849,300	7,106,103	7,390,568	7,686,191	7,993,638	43,675,445
Total Other Revenues	407,029	382,134	394,876	409,602	424,889	440,758	457,232	2,509,491
<b>TOTAL REVENUE</b>	<b>6,916,268</b>	<b>7,052,238</b>	<b>7,269,642</b>	<b>7,548,080</b>	<b>7,853,522</b>	<b>8,178,033</b>	<b>8,509,698</b>	<b>46,411,213</b>
<b>Total Sources</b>	<b>\$ 8,272,218</b>	<b>\$ 8,416,156</b>	<b>\$ 8,542,977</b>	<b>\$ 8,843,036</b>	<b>\$ 9,376,125</b>	<b>\$ 9,880,852</b>	<b>\$ 10,190,505</b>	<b>\$ 47,775,131</b>
<b>Uses:</b>								
<b>OPERATING COSTS</b>								
Total Admin/Planning/Cust Service/Taxes	2,039,958	\$ 2,106,519	\$ 2,181,274	\$ 2,233,232	\$ 2,336,228	\$ 2,423,115	\$ 2,513,282	13,793,650
SPU Rate Increase	0% SPU Inc	0% SPU Inc	20% SPU Inc	0% SPU Inc	0% SPU Inc	20% SPU Inc	0% SPU Inc	
Water Purchases	1,354,061	1,354,000	1,625,000	1,625,000	1,625,000	1,950,000	1,950,000	10,129,000
All Other O&M costs	971,656	859,436	859,965	1,016,924	1,054,621	1,158,667	1,200,171	6,149,785
<b>TOTAL OPERATING COSTS</b>	<b>4,365,675</b>	<b>4,319,955</b>	<b>4,666,239</b>	<b>4,875,156</b>	<b>5,015,849</b>	<b>5,531,783</b>	<b>5,663,453</b>	<b>30,072,435</b>
<b>CAPITAL COSTS</b>								
Transfer CIC Revenues to Capital	250,884	262,676	270,556	281,378	292,633	304,339	316,512	1,728,093
Transfer to Vehicle Replacement Account	95,000	75,000	77,000	79,000	81,000	83,000	85,000	480,000
Transfer to Capital in Lieu of Depreciation	1,500,000	1,200,000	1,100,000	1,000,000	1,100,000	1,100,000	1,200,000	6,700,000
Total Debt Service (Net of Capitalization)	646,740	1,235,190	1,084,225	1,034,900	1,133,824	1,130,924	1,127,773	6,746,837
<b>TOTAL CAPITAL COSTS</b>	<b>2,492,624</b>	<b>2,772,866</b>	<b>2,531,781</b>	<b>2,395,278</b>	<b>2,607,457</b>	<b>2,618,262</b>	<b>2,729,285</b>	<b>15,654,930</b>
Transfer to Preservation Account	50,000	50,000	50,000	50,000	50,000	50,000	50,000	300,000
<b>Total Uses</b>	<b>\$ 6,908,300</b>	<b>\$ 7,142,821</b>	<b>\$ 7,248,020</b>	<b>\$ 7,320,434</b>	<b>\$ 7,673,306</b>	<b>\$ 8,200,045</b>	<b>\$ 8,442,738</b>	<b>\$ 46,027,365</b>
<b>ENDING BALANCE - OPERATING ACCOUNT</b>	<b>\$ 1,363,918</b>	<b>\$ 1,273,335</b>	<b>\$ 1,294,957</b>	<b>\$ 1,522,603</b>	<b>\$ 1,702,818</b>	<b>\$ 1,680,807</b>	<b>\$ 1,747,766</b>	<b>\$ 1,747,766</b>
<b>CAPITAL ACCOUNT</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2017-2022</b>
<b>Sources:</b>								
BEGINNING BALANCE	\$ 1,920,865	\$ 10,307,849	\$ 8,822,608	\$ 4,146,995	\$ 5,335,102	\$ 5,811,732	\$ 6,156,816	\$ 10,307,849
Transfer CIC Revenues from Operations	250,884	262,676	270,556	281,378	292,633	87,176	92,352	1,286,771
Transfer from Operations in Lieu of Depreciation	1,500,000	1,200,000	1,100,000	1,000,000	1,100,000	1,100,000	1,200,000	6,700,000
New Bond Proceeds	7,711,725							
Total Other Sources of Funds	2,760,219	1,290,589	328,067	1,841,470	365,351	358,339	372,672	4,556,488
<b>Total Sources</b>	<b>\$ 14,143,692</b>	<b>\$ 13,061,114</b>	<b>\$ 10,521,231</b>	<b>\$ 7,269,843</b>	<b>\$ 7,093,087</b>	<b>\$ 7,357,247</b>	<b>\$ 7,821,841</b>	<b>\$ 22,851,108</b>
<b>Total Uses</b>	<b>\$ 3,835,843</b>	<b>\$ 4,238,506</b>	<b>\$ 6,374,236</b>	<b>\$ 1,934,740</b>	<b>\$ 1,281,354</b>	<b>\$ 1,200,431</b>	<b>\$ 1,193,723</b>	<b>\$ 16,222,991</b>
<b>ENDING BALANCE - CAPITAL ACCOUNT</b>	<b>\$ 10,307,849</b>	<b>\$ 8,822,608</b>	<b>\$ 4,146,995</b>	<b>\$ 5,335,102</b>	<b>\$ 5,811,732</b>	<b>\$ 6,156,816</b>	<b>\$ 6,628,117</b>	<b>\$ 6,628,117</b>
<b>VEHICLE REPLACEMENT ACCOUNT</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2017-2022</b>
END BAL - VEHICLE REPLACEMENT ACCOUNT	\$ 212,877	\$ 235,176	\$ 250,603	\$ 335,886	\$ 333,669	\$ 206,476	\$ 129,144	\$ 129,144
<b>PRESERVATION ACCOUNT</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2017-2022</b>
ENDING BALANCE - PRESERVATION ACCOUNT	\$ 100,800	\$ 152,413	\$ 204,851	\$ 258,129	\$ 312,259	\$ 367,255	\$ 423,131	\$ 423,131
<b>BOND FUND</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2017-2022</b>
ENDING BALANCE - BOND FUND	\$ 1,220,292	\$ 1,220,292	\$ 1,220,292	\$ 1,220,292	\$ 1,220,292	\$ 1,220,292	\$ 1,220,292	\$ 1,220,292
<b>Ending Bal - All District Cash</b>	<b>\$ 13,205,737</b>	<b>\$ 11,703,824</b>	<b>\$ 7,117,698</b>	<b>\$ 8,672,013</b>	<b>\$ 9,380,771</b>	<b>\$ 9,631,646</b>	<b>\$ 10,148,451</b>	<b>\$ 10,148,451</b>

