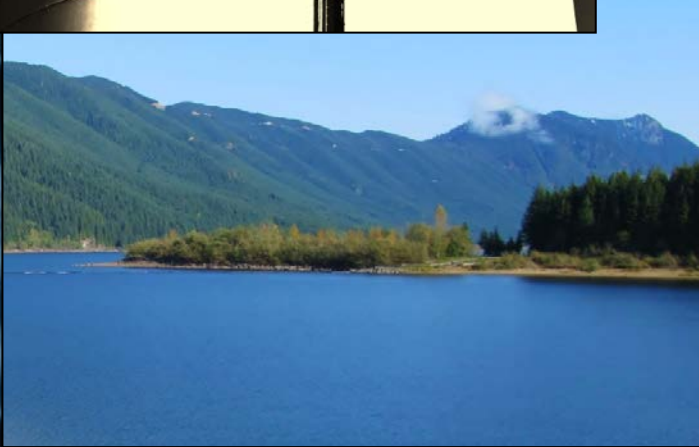


NORTH CITY Water District



2016 Budget

Table of Contents

	<i>Page</i>	
Transmittal Letter	3-4	
Budget at a Glance	5	<i>Tab</i>
<i>Budget at a Glance</i>	6	
Operating Costs	7	<i>Tab</i>
<i>Summary of Operating Costs by Object and Function</i>	8	
<i>Detail of Operating Cost by Object and Function</i>	9-12	
<i>Seattle Public Utilities</i>	13	
Employee Costs	14	<i>Tab</i>
<i>Training and Conferences</i>	15	
<i>Labor & Benefit Summary</i>	16	
<i>Labor & Benefit Detail</i>	17-18	
<i>Salaries & Wages Matrix for 2016</i>	19	
Capital Costs	20	<i>Tab</i>
<i>Capital Plan Summary</i>	21	
<i>Capital Plan Detail Sheets</i>	22-38	
Vehicle Replacement Plan	39	<i>Tab</i>
<i>2015-2028 Vehicle Replacement Plan</i>	40-41	
Debt Service	42	<i>Tab</i>
<i>Debt Service Schedules</i>	43	
Revenues	44	<i>Tab</i>
<i>2015 Budget Actual / 2016 Projected Usage</i>	45	
<i>Usage History and Forecast</i>	46	
<i>Revenue Requirement Increase</i>	47	
<i>Summary of Service and Other Revenue</i>	48	
Rates	49	<i>Tab</i>
<i>Rate Table for 2016</i>	50	
<i>Bill Comparisons</i>	51	
Forecast	52	<i>Tab</i>
<i>2015-2020 Cash Flow Forecast</i>	53	

Commissioners:

Ron Ricker

Charlotte Haines

Larry Schoonmaker

District Manager:

Diane Pottinger, P.E.

December 15, 2015

Commissioners Haines, Ricker and Schoonmaker-

Attached please find North City Water District's Proposed Budget for 2016.

The purpose of this budget is to guide our District's decision-making over the coming year as we finalize our new North City Pump Station project and begin planning for the future design of our new maintenance building. You will see that we were able to continue operating effectively and efficiently as expected by our rate payers. At the same time, we were asking our rate payers to reduce water use which may impact our future water demand.

Highlights of our 2015 Achievements:

- Completed two successful audits; a Financial Audit for 2014 and an Accountability Audit for 2014 and 2015.
- Closed out several water system extension agreements.
- Made staffing changes to better fit with our organizational needs.
- Participated with Washington State Department of Health's Needs Assessment
- Actively participated with WASWD in the successful passage of ESSB 5048
- Educated our community about water supply by:
 - Successfully completing the 4th year of our Fix a Leak Challenge and funded classes hosted by Nature Vision at local schools;
 - Hosted two Savvy Gardener Classes;
 - Participated in the Healthy Kids Day YMCA, North City Jazz Walk, Ridgecrest Ice Cream Social and Celebrate Shoreline.
- Successfully updated our Wheeling Agreement with Seattle Public Utilities.
- Reinvested into our water system by:
 - Beginning construction of the North City Pump Station;
 - Completed Phase II of our Individual PRV project in the Ridgecrest Neighborhood;
 - Participated with the City of Lake Forest Park and upgraded our water main as part of the City of Lake Forest Park's NE 178th Street Project;
 - Maintained and painted over 50% of the District's fire hydrants.
- Replace the four vehicles as part of our new Vehicle Replacement Program.
- Updated nearly 50% of the District's Code.
- Actively participated with the City of Lake Forest Park in their Comprehensive Plan Update.

Goals During the Upcoming 2016 Fiscal Year:

- Match the fixed asset schedule with the financial statement and GIS.
- Review and update all District charges.
- Complete the update of the North City Water District Code.

Excellence in water quality for 80 years

www.northcitywater.org

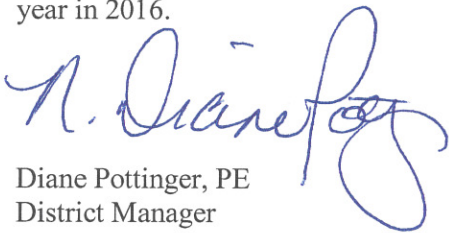
- Complete a Cost of Service Study
- Begin a new epayment system to include payments by credit card.
- Successfully complete the 2016 Financial and Single Audits
- Reinvest into our water system by:
 - Complete construction of the North City Pump Station
 - Install six new water quality sampling stations
 - Update two PRV stations
- Recalibrate the District's hydraulic model (upon completion of the North City Pump Station)
- Maintain and paint the remainder of the District's fire hydrants
- Monitor the District's Capital Fund in light of the District's future Maintenance Facility (not scheduled to begin design until 2017)
- Begin annexation of our customers along NE 178th Street, Lake Forest Park
- Complete the review and update, if needed, District's easements

We have also begun discussions with developers regarding system improvements; should they decide to enter into agreements with us, we have sufficient in-house staff to review, inspect and process the improvements to ensure they are up to District standards. One project, PROVAIL, will be brought to the Board at the December 15, 2015 for approval to begin.

Impact to Rate Payers

Management is proposing a 3% budget increase to all of our customers to cover additional costs related to inflation and to address capital infrastructure needs.

From all of us on the Management Team, we are truly looking forward to another successful year in 2016.

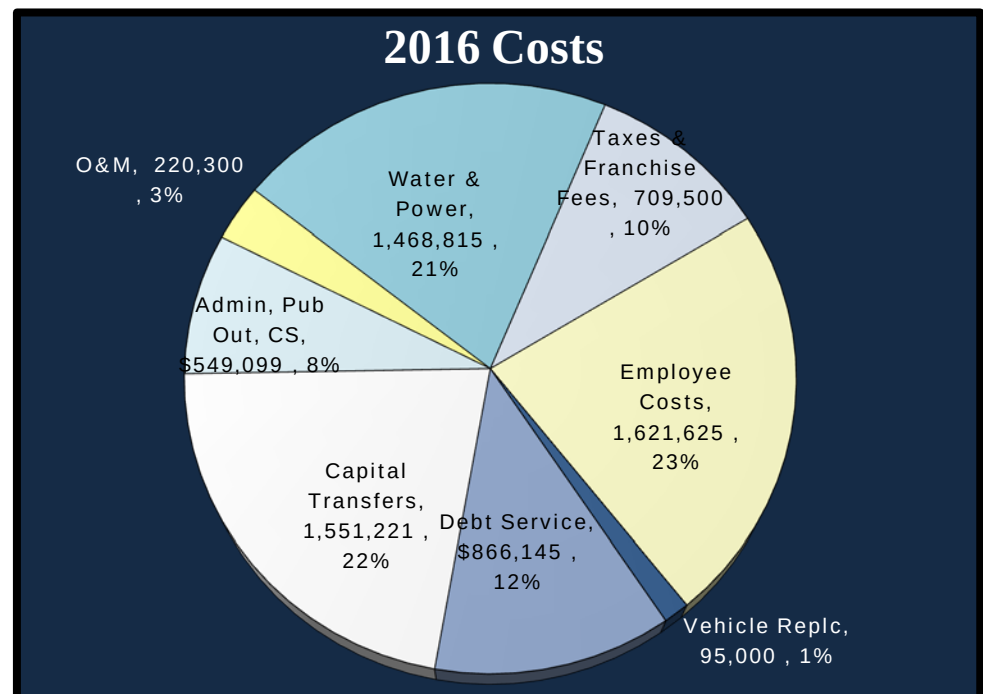
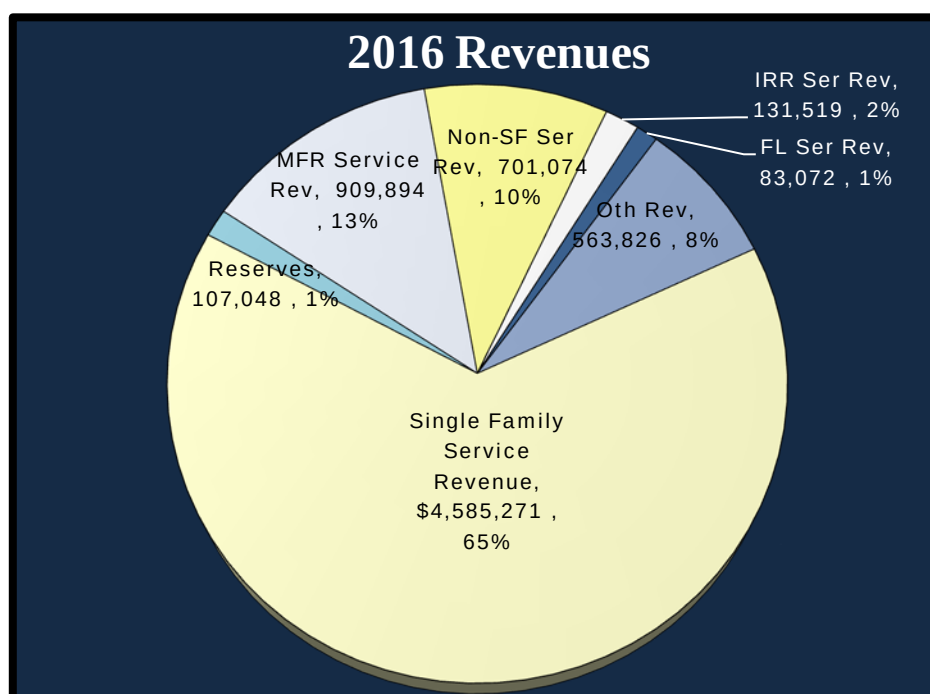


Diane Pottinger, PE
District Manager



Budget at a Glance

	Operating Budget at a Glance					
	2016 - Budget					
	2014 Actual	2015 Budget	2015 Projected Year- End	2016 Budget	Change 2016 Budget - 2015 Year-End 2014	Percent Change
Revenue						
SERVICE REVENUE:						
SINGLE FAMILY	\$ 4,376,307	\$ 4,376,307	\$ 4,523,489	\$ 4,585,271	\$ 61,781	1%
MULTI - FAMILY	883,243	883,243	898,736	909,894	11,157	1%
NON-RESIDENTIAL	670,818	671,625	696,163	701,074	4,911	1%
IRRIGATION	121,086	121,086	185,306	131,519	(53,787)	-44%
FIRELINES	73,054	73,054	81,031	83,072	2,041	3%
TOTAL SERVICE REVENUE	6,124,507	6,125,315	6,384,726	6,410,830	26,104	0%
OTHER REVENUE	440,337	396,713	601,088	563,826	(37,262)	-8%
Total Revenue	\$ 6,564,844	\$ 6,522,028	\$ 6,985,814	\$ 6,974,656	\$ (11,158)	-0.2%
Costs						
Operating Costs						
BUSINESS ADMINISTRATION	190,092	141,000	145,138	172,100	26,962	14%
PLANNING AND DEVELOPMENT	80,020	111,000	77,975	66,000	(11,976)	-15%
PUBLIC AND REGIONAL OUTREACH	57,218	65,700	55,160	61,300	6,139	11%
OFFICE AND RECORDS MANAGEMENT	234,101	178,700	188,371	189,700	1,329	1%
CUSTOMER SERVICE AND BILLING	45,996	45,200	44,983	52,100	7,117	15%
PURCHASED WATER AND POWER	1,580,707	1,466,194	1,512,300	1,468,815	(43,486)	-3%
OPERATIONS AND MAINTENANCE	229,074	220,900	251,990	220,300	(31,691)	-14%
TAXES AND FRANCHISE FEES	672,828	686,453	705,322	709,500	4,178	1%
PASS-THRU COSTS	10,853	9,300	7,802	7,900	97	1%
EMPLOYEE COSTS (Net Capitalization)	1,531,860	1,505,139	1,561,993	1,621,625	59,632	4%
Total Operating Costs	4,632,750	4,429,587	4,551,036	4,569,338	18,302	0%
Capital Costs						
DEBT SERVICE (Net of capitalization)	668,541	621,711	668,742	866,145	197,404	30%
CAPITAL TRANSFERS (CIC & In lieu of depreciation)	837,079	1,348,730	1,443,904	1,551,221	107,317	13%
VEHICLE REPLACEMENT TRANSFER	120,000	122,000	122,000	95,000	(27,000)	-23%
Total Capital Costs	1,625,620	2,092,441	2,234,645	2,512,366	277,721	17%
Net Additions to (Use of) Reserves	306,475	(0)	200,133	(107,048)	(307,180)	n/a
Total Costs	\$ 6,564,844	\$ 6,522,028	\$ 6,985,814	\$ 6,974,656	\$ (11,158)	-0.2%





Operating Costs

 2016 - Budget	Summary of Operating Costs in Detail by Object (Type) and Function (Purpose)												
	2014 Actual Accrual	2015 Cash Budget	2015 Actual Cash	2016 Cash Budget	Business Admin	Cust Service & Billing	O&M General & Admin	Source of Supply & Pump	Storage	Meters & Services	Dist System	Hydrants	Labor - Alloc to Capital
BUSINESS ADMINISTRATION													
Legal Services	80,427	50,000	55,225	58,000	58,000	-	-	-	-	-	-	-	-
Financial Services	20,511	17,000	17,203	20,000	20,000	-	-	-	-	-	-	-	-
Insurance	67,920	71,600	70,779	71,000	71,000	-	-	-	-	-	-	-	-
Elections	19,332	-	-	20,000	20,000	-	-	-	-	-	-	-	-
Miscellaneous & Other	1,902	2,400	1,931	3,100	3,100	-	-	-	-	-	-	-	-
TOTAL BUSINESS ADMINISTRATION	190,092	141,000	145,138	172,100	172,100	-	-	-	-	-	-	-	-
PLANNING & DEVELOPMENT													
Professional Services	80,020	110,000	75,975	65,000	65,000	-	-	-	-	-	-	-	-
Other Planning & Development	-	1,000	2,000	1,000	1,000	-	-	-	-	-	-	-	-
TOTAL PLANNING & DEVELOPMENT	80,020	111,000	77,975	66,000	66,000	-	-	-	-	-	-	-	-
PUBLIC & REGIONAL OUTREACH													
Regional Dues & Memberships	16,571	22,700	15,214	20,000	20,000	-	-	-	-	-	-	-	-
Newsletters/Website/Special Events	33,688	36,200	37,209	38,500	38,500	-	-	-	-	-	-	-	-
Other Public Outreach	6,959	6,800	2,738	2,800	2,800	-	-	-	-	-	-	-	-
TOTAL PUBLIC & REGIONAL OUTREACH	57,218	65,700	55,160	61,300	61,300	-	-	-	-	-	-	-	-
OFFICE & RECORDS MANAGEMENT													
General Office Expense	4,720	4,100	6,514	6,600	6,600	-	-	-	-	-	-	-	-
Office Supplies & Equipment	30,314	20,800	16,545	17,300	16,200	-	1,100	-	-	-	-	-	-
Computer Systems	123,308	88,300	95,785	94,800	73,600	-	21,200	-	-	-	-	-	-
Phones & Internet	15,891	14,400	18,553	19,000	12,700	-	6,300	-	-	-	-	-	-
Building & Grounds Maint & Repair	59,867	51,100	50,973	52,000	45,200	-	6,800	-	-	-	-	-	-
TOTAL OFFICE & RECORDS MANAGEMEN	234,101	178,700	188,371	189,700	154,300	-	35,400	-	-	-	-	-	-
CUSTOMER SERVICE & BILLING													
Billing	40,062	43,700	38,886	46,000	-	46,000	-	-	-	-	-	-	-
Reporting	5,934	1,500	6,097	6,100	-	6,100	-	-	-	-	-	-	-
TOTAL CUSTOMER SERVICE & BILLING	45,996	45,200	44,983	52,100	-	52,100	-	-	-	-	-	-	-
PURCHASED WATER & POWER													
Water	1,547,687	1,446,194	1,490,236	1,446,815	-	-	-	1,446,815	-	-	-	-	-
Power	33,020	20,000	22,064	22,000	-	-	-	22,000	-	-	-	-	-
TOTAL PURCHASED WATER & POWER	1,580,707	1,466,194	1,512,300	1,468,815	-	-	-	1,468,815	-	-	-	-	-
OPERATIONS & MAINTENANCE													
Professtional & Other Outside Servic	23,578	23,500	25,222	26,000	-	-	26,000	-	-	-	-	-	-
Supplies & Materials	129,380	119,500	121,859	119,000	-	-	26,000	3,000	1,000	18,000	59,000	12,000	-
Small Tools & Equipment	12,806	21,900	15,825	10,000	-	-	10,000	-	-	-	-	-	-
Telemetry	13,576	13,600	13,810	14,000	-	-	-	14,000	-	-	-	-	-
Field Vehicle Expense	30,884	29,100	58,616	34,200	-	-	34,200	-	-	-	-	-	-
Miscellaneous	18,851	13,300	16,660	17,100	-	-	13,500	-	-	1,600	2,000	-	-
TOTAL OPERATIONS & MAINTENANCE	229,074	220,900	251,990	220,300	-	-	109,700	17,000	1,000	19,600	61,000	12,000	-
TAXES & FRANCHISE FEES													
Taxes	330,391	335,784	345,708	346,000	340,400	-	5,600	-	-	-	-	-	-
Franchise fees	342,437	350,669	359,614	363,500	363,500	-	-	-	-	-	-	-	-
TOTAL TAXES & FRANCHISE FEES	672,828	686,453	705,322	709,500	703,900	-	5,600	-	-	-	-	-	-
PASS-THRU COSTS													
Street Lights/ Charge Point	10,853	9,300	7,802	7,900	7,900	-	-	-	-	-	-	-	-
TOTAL PASS-THRU COSTS	10,853	9,300	7,802	7,900	7,900	-	-	-	-	-	-	-	-
EMPLOYEE COSTS													
Travel & Training	45,687	47,986	35,643	40,300	21,615	-	18,685	-	-	-	-	-	-
Other Employee Costs	6,469	6,500	11,245	7,500	1,200	-	6,300	-	-	-	-	-	-
Temporary Employee Costs	17,143	-	2,216	-	-	-	-	-	-	-	-	-	-
Direct Payroll Costs	1,020,482	1,196,250	1,192,826	1,210,616	418,432	150,723	311,476	16,591	13,780	30,936	60,778	48,247	159,655
Payroll Benefits	442,078	482,641	500,394	543,317	195,277	61,945	224,132	3,467	2,926	6,569	12,854	10,370	25,777
Payroll Allocations to Capital	-	(228,239)	(180,331)	(180,108)	-	-	-	-	-	-	-	-	(180,108)
TOTAL EMPLOYEE COSTS	1,531,860	1,505,139	1,561,993	1,621,625	636,523	212,668	560,593	20,058	16,706	37,505	73,631	58,616	5,324
TOTAL OPERATING COSTS	4,632,750	4,429,587	4,551,036	4,569,338	1,802,022	264,768	711,293	1,505,872	17,706	57,105	134,631	70,616	5,324

[illegible]

[illegible]



Water Purchased from Seattle Public Utilities (SPU)

2016 - Budget

2014									Old Con. Rates		New Consumption Rates				Water Purchase Costs				
Month	Old Cons. Allowance	Total Cons.	Old Cons. Remaining	Old Cons. 193 & 194	New Cons. Remaining	New Cons. 193 & 194		Old Cons. @ Old Rate	Old Rate		New Rate: Remaining	New Rate: 193 & 194	New Cons.: Remaining	New Cons. : 193 & 194	Old Cons.	New Cons.	Subtotal	Adjustment	Total
January	61,134	63,739	29,943	33,796					\$ 1.53		\$ 1.53	\$ 1.55	\$ 2.27	\$ 2.29	\$ 98,197	\$ -	\$ 98,197		\$ 98,197
February	84,437	66,278	37,379	28,899					\$ -		\$ 1.53	\$ 1.55	\$ 2.27	\$ 2.29	\$ 101,983	\$ -	\$ 101,983		\$ 101,983
March	76,583	50,240	50,013	227					\$ -		\$ 1.53	\$ 1.55	\$ 2.27	\$ 2.29	\$ 76,872	\$ -	\$ 76,872		\$ 76,872
April	64,987	58,572	58,572	-					\$ -		\$ 1.53	\$ 1.55	\$ 2.27	\$ 2.29	\$ 89,615	\$ -	\$ 89,615		\$ 89,615
May	75,759	59,541	46,782	-	12,759	-			\$ -		\$ 1.53	\$ 1.55	\$ 2.27	\$ 2.29	\$ 71,577	\$ 28,962	\$ 100,539		\$ 100,539
June	105,157	78,000			77,944	56			\$ -		\$ 1.53	\$ 1.55	\$ 2.27	\$ 2.29	\$ -	\$ 177,061	\$ 177,061		\$ 177,061
July	135,512	98,938	-	-	95,612	3,326			\$ -		\$ 1.53	\$ 1.55	\$ 2.27	\$ 2.29	\$ -	\$ 224,656	\$ 224,656		\$ 224,656
August	208,555	104,516	-	-	102,563	1,953			\$ -		\$ 1.53	\$ 1.55	\$ 2.27	\$ 2.29	\$ -	\$ 237,290	\$ 237,290		\$ 237,290
September	65,399	69,405	14,534	649	51,905	2,317			\$ -		\$ 1.53	\$ 1.55	\$ 2.27	\$ 2.29	\$ 23,242	\$ 123,132	\$ 146,374		\$ 146,374
October	79,523	63,781	62,575	1,206					\$ -		\$ 1.53	\$ 1.55	\$ 2.27	\$ 2.29	\$ 97,609	\$ -	\$ 97,609		\$ 97,609
November	74,845	67,118	61,304	5,814					\$ -		\$ 1.53	\$ 1.55	\$ 2.27	\$ 2.29	\$ 102,807	\$ -	\$ 102,807		\$ 102,807
December	74,029	68,455	43,770	24,685					\$ -		\$ 1.53	\$ 1.55	\$ 2.27	\$ 2.29	\$ 105,230	\$ -	\$ 105,230		\$ 105,230
TOTAL		848,583	404,872	95,276	340,783	7,652		-							\$ 767,131	\$ 791,102	\$ 1,558,233	\$ -	\$ 1,558,233

2014
Cash Flow
\$ 1,536,077

2015 Actual and Budget									Old Con. Rates		New Consumption Rates				Water Purchase Costs Projected for 2015				
Month	Old Cons. Allowance	Total Cons.	Old Cons. Remaining	Old Cons. 193 & 194	New Cons. Remaining	New Cons. 193 & 194	Old Cons. @ Old Rate	Old Cons. @ Old Rate 193.194	Old Rate Peak	Old Rate Peak 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	47,066	10,252	22,694			4,394	9,726	\$ 1.53	\$ 1.55	\$ 1.42	\$ 1.44	\$ 2.10	\$ 2.12	\$ 69,035	\$ -	\$ 69,035	\$ 30,312	\$ 99,347
February	84,437	66,278	40,282	25,996					\$ -	\$ -	\$ 1.42	\$ 1.44	\$ 2.10	\$ 2.12	\$ 94,635	\$ -	\$ 94,635		\$ 94,635
Feb - Adj		11,014	7,710				3,304		\$ 1.53	\$ 1.55	\$ 1.42	\$ 1.44	\$ 2.10	\$ 2.12	\$ 16,003	\$ -	\$ 16,003		\$ 16,003
March	76,583	51,642	23,621	28,021					\$ -	\$ -	\$ 1.42	\$ 1.44	\$ 2.10	\$ 2.12	\$ 73,892	\$ -	\$ 73,892		\$ 73,892
March - Adj		(7,289)	(7,557)	268					\$ -	\$ -	1.42	1.45	\$ 2.10	\$ 2.12	\$ (10,342)	\$ -	\$ (10,342)		\$ (10,342)
April	64,987	64,110	31,203	1,994				30,913	\$ -	\$ 1.44	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ 91,794	\$ -	\$ 91,794		\$ 91,794
May	75,759	63,787	36,318	18,357	6,053	3,060			\$ -	\$ -	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ 78,923	\$ 19,351	\$ 98,273		\$ 98,273
June	105,157	95,923			75,479	20,444			\$ -	\$ -	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ -	\$ 202,869	\$ 202,869		\$ 202,869
July	135,512	103,441			91,622	11,819			\$ -	\$ -	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ -	\$ 218,053	\$ 218,053		\$ 218,053
August	208,555	94,067			73,618	20,449			\$ -	\$ -	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ -	\$ 198,972	\$ 198,972		\$ 198,972
September	65,399	77,076	13,548	2,802	50,320	10,406			\$ -	\$ -	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ 23,413	\$ 128,253	\$ 151,666		\$ 151,666
October	79,523	58,422	55,664	2,758					\$ -	\$ -	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ 83,152	\$ -	\$ 83,152		\$ 83,152
November	74,845	67,118	42,903	24,215	-	-			\$ -	\$ -	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ 97,003	\$ -	\$ 97,003		\$ 97,003
December	74,029	68,455	31,870	36,585	-	-			\$ -	\$ -	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ 99,767	\$ -	\$ 99,767		\$ 99,767
TOTAL	1,105,920	861,110	285,814	163,689	297,092	66,178	7,698	40,639							\$ 717,275	\$ 767,499	\$ 1,484,774	\$ 30,312	\$ 1,515,085

2015
Cash Flow
\$ 1,520,548

2016 Budget (at 2014 Usage Levels)									Old Con. Rates		New Consumption 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	Old Cons. @ Old Rate	Old Cons. @ Old Rate 193.194	Old Rate Peak	Old Rate Peak 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	63,739	29,943	33,796	-	-	-	-	\$ 1.42	\$ 1.49	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ 91,185	\$ -	\$ 91,185		\$ 91,185
February	84,437	66,278	37,379	28,899	-	-	-	-	\$ -	\$ -	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ 94,693	\$ -	\$ 94,693		\$ 94,693
March	76,583	50,240	50,013	227	-	-	-	-	\$ -	\$ -	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ 71,345	\$ -	\$ 71,345		\$ 71,345
April	64,987	58,572	58,572	-	-	-	-	-	\$ -	\$ -	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ 83,172	\$ -	\$ 83,172		\$ 83,172
May	75,759	59,541	46,782	-	12,759	-	-	-	\$ -	\$ -	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ 66,431	\$ 26,793	\$ 93,224		\$ 93,224
June	105,157	78,000	-	-	77,944	56	-	-	\$ -	\$ -	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ -	\$ 163,804	\$ 163,804		\$ 163,804
July	135,512	98,938	-	-	95,612	3,326	-	-	\$ -	\$ -	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ -	\$ 208,003	\$ 208,003		\$ 208,003
August	208,555	104,516	-	-	102,563	1,953	-	-	\$ -	\$ -	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ -	\$ 219,620	\$ 219,620		\$ 219,620
September	65,399	69,405	14,534	649	51,905	2,317	-	-	\$ -	\$ -	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ 21,604	\$ 114,030	\$ 135,634		\$ 135,634
October	79,523	63,781	62,575	1,206	-	-	-	-	\$ -	\$ -	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ 90,653	\$ -	\$ 90,653		\$ 90,653
November	74,845	67,118	61,304	5,814	-	-	-	-	\$ -	\$ -	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ 95,715	\$ -	\$ 95,715		\$ 95,715
December	74,029	68,455	43,770	24,685	-	-	-	-	\$ -	\$ -	\$ 1.42	\$ 1.49	\$ 2.10	\$ 2.17	\$ 98,934	\$ -	\$ 98,934		\$ 98,934
TOTAL	1,105,920	848,583	404,872	95,276	340,783	7,652	-	-							\$ 713,733	\$ 732,250	\$ 1,445,983	\$ -	\$ 1,445,983

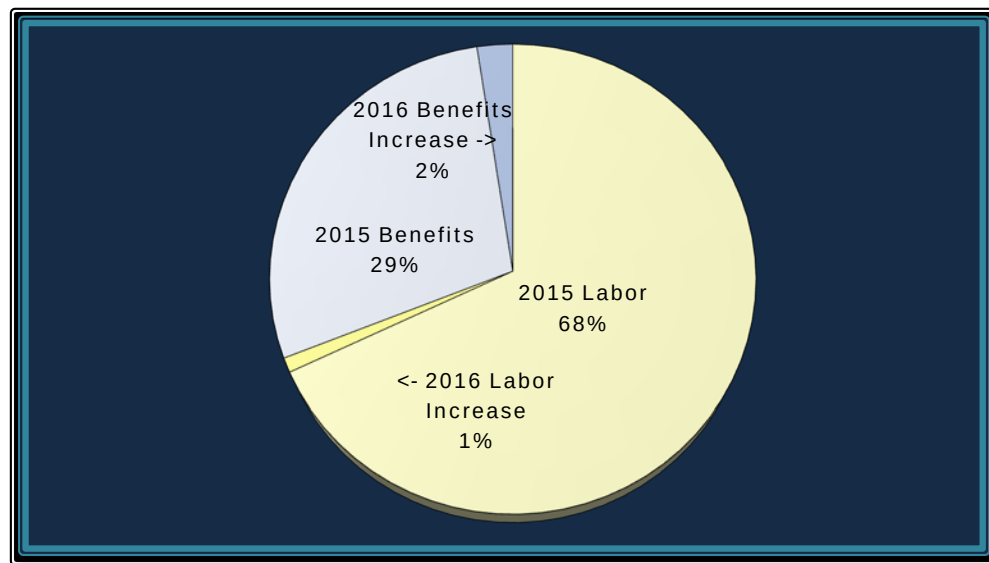
2016
Cash Flow
\$ 1,446,816



Employee Costs

	Training and Conferences								
	2016 - Budget								
	Dates	Location	Registration	AirFare or Mileage	Lodging	Per Diem & Other	2016 TOTAL	2015 BUDGET	2015 ACTUAL
TRAINING									
Inspector/Project Manager	Various	Seattle					\$ 1,000	\$ 6,000	\$ 5,136
Office Staff	Various	Various					\$ 6,000	\$ 5,000	\$ 892
Excutive Assistant	Various	Various					\$ 500	\$ 1,500	\$ 950
Field Crew	Various	Various					\$ 8,000	\$ 8,000	\$ 5,892
TOTAL TRAINING							\$ 15,500	\$ 20,500	\$ 12,869
CONFERENCES & BOARD MEETINGS									
General Manager									
Woment in Leadership	February	Mercer Island	\$ 125				\$ 125	\$ -	\$ 125
WASWD Conference	April 14-15	Yakima	\$ 475	\$ 168	\$ 600	\$ 120	\$ 1,363	\$ 1,363	\$ 1,218
PNWS Conference	May 3-7	Boise	\$ 425	\$ 300	\$ 600	\$ 150	\$ 1,475	\$ -	\$ 350
WASWD Conference	Sep 21-25	Spokane	\$ 475	\$ 151	\$ 600	\$ 120	\$ 1,346	\$ 1,346	\$ 954
PWTF Board Meetings	Monthly	Olympia					\$ -	\$ -	\$ -
							Total General Manager	\$ 4,309	\$ 2,709
Operations Manager									
WASWD Conference	April 14-15	Yakima	\$ 475	\$ 168	\$ 600	\$ 120	\$ 1,363	\$ 1,363	\$ 1,359
PNWS Conference	May 3-7	Boise	\$ 425	\$ 300	\$ 600	\$ 150	\$ 1,475	\$ 1,177	\$ 552
AWWA Conference - ACE 15	Jun 7-10	Chicago	\$ 820	\$ 600	\$ 2,000	\$ 1,000	\$ 4,420	\$ 4,320	\$ 3,487
WASWD Conference	Sep 21-25	Spokane	\$ 475	\$ 291	\$ 600	\$ 120	\$ 1,486	\$ 1,346	\$ 1,187
PNWS Board Meeting	Oct 5-7	Spokane		\$ 291	\$ 500	\$ 150	\$ 941	\$ 1,070	\$ 918
							Total Operations Manager	\$ 9,685	\$ 9,276
Commissioner Ricker									
WASWD Conference	April 14-15	Yakima	\$ 475	\$ 168	\$ 600	\$ 120	\$ 1,363	\$ 1,363	\$ -
PNWS Conference	May 3-7	Boise	\$ 410	\$ 17	\$ 600	\$ 150	\$ 1,177	\$ 1,177	\$ 504
AWWA Conference - ACE 15	Jun 7-10	Chicago	\$ 820	\$ 500	\$ 2,000	\$ 1,000	\$ 4,320	\$ 4,320	\$ 3,486
WASWD Conference	Sep 21-25	Spokane	\$ 475	\$ 291	\$ 600	\$ 120	\$ 1,486	\$ 1,346	\$ 1,255
							Total Ricker	\$ 8,346	\$ 8,206
Commissioner Haines									
WASWD Conference	April 14-15	Yakima	\$ 475	\$ 168	\$ 600	\$ 120	\$ 1,363	\$ 1,363	\$ 1,026
PNWS Conference	May 3-7	Boise	\$ 410	\$ 17	\$ 600	\$ 150	\$ 1,177	\$ 1,177	\$ 403
AWWA Conference - ACE 15	Jun 7-10	Chicago	\$ 820	\$ 500	\$ 2,000	\$ 1,000	\$ 4,320	\$ -	\$ 3,288
WASWD Conference	Sep 21-25	Spokane	\$ 475	\$ -	\$ 600	\$ 120	\$ 1,195	\$ 1,346	\$ 954
							Total Haines	\$ 8,055	\$ 3,886
Commissioner Schoonmaker									
PNWS Conference	April 14-15	Yakima	\$ 475	\$ 168	\$ 600	\$ 120	\$ 1,363	\$ 1,363	\$ 440
WASWD Conference	Sep 21-25	Spokane	\$ 475	\$ 151	\$ 600	\$ 120	\$ 1,346	\$ 1,346	\$ 1,267
							Total Schoonmaker	\$ 2,709	\$ 1,707
Planned Under-Expenditure of Travel and Training Costs							\$ (8,605)		
TOTAL CONFERENCES AND MEETING							\$ 24,500	\$ 26,786	\$ 22,773
GRAND TOTAL CONFERENCES, MEETINGS AND TRAINING							\$ 40,000	\$ 47,286	\$ 35,643

	Labor and Benefits Summary <i>(Before Capitalization)</i>		
	2016 - Budget		
	DIRECT LABOR	TOTAL BENEFITS	COMBINED TOTAL
Total Projected Labor and Benefits for 2015	\$ 1,192,826	\$ 500,394	\$ 1,693,221
2015 Step, 0.6%, and PERS Applied to Entire year	\$ 22	\$ 39,803	\$ 39,825
Base Labor and Benefits for 2016	\$ 1,192,848	\$ 540,197	\$ 1,733,046
Deduct Commissioner Pay	(\$32,832)	(\$53,062)	(\$85,894)
Base Pay Subject to COLA	\$ 1,160,016	\$ 487,136	\$ 1,647,152
COLA @ 1.6% on Staff Employees	\$ 17,768	\$ 3,120	\$ 20,888
TOTAL LABOR AND BENEFITS FOR 2016 (Cash Basis)	\$ 1,210,616	\$ 543,317	\$ 1,753,933
2016 Total Increase over 2015	\$ 17,790	\$ 42,923	\$ 60,713
Percent Increase over 2015	1.5%	8.6%	3.6%



North City WATER DISTRICT					Direct Labor									Benefits										Combined								
2016 - Budget					0.0%		Commissioner's Inc								Max Soc Sec Wages->		\$ 118,500															
					1.6%		Employee's COLA		\$ 334.91		2015 Standby				\$ 1,400 J-J		Max Soc Sec Benefits->		\$ 7,347		\$ 1.0434		0.17%									
					\$ -		Employee's COLA Lump-sum		\$ 340.27		2016 Standby				\$ 500		\$ 70.00		\$ 1,400 J-D		11.18%		1.45%		6.20%		\$ 0.1183		0.17%			
Labor and Benefits					Total Hrs @ Reg Pay	Vac CO	OT @ 1.5	OTW	2016 Total Hours	Oncall	Reg OT	OTW	2016 Total Gross Pay (1)	2015 Total Gross Pay	Difference	% Diff	Clothing	Phone	VEBA	PERS Amt	Medicare	Soc Sec	L&I	Unemploy	2016 Total Benefits	2015 Total Benefits	Difference	% Diff	2015 LABOR AND BENEFITS	2015 LABOR AND BENEFITS	Difference	% Diff
Commissioner	Cash Payment 2015 - W-2				419	-	-	-	418.5	\$ -			\$ 10,944	\$ 10,944	\$ -	0.0%	\$ -	\$ -	\$ 16,800		\$ 159	\$ 679	\$ 49.51		\$ 17,687	\$ 16,637	\$ 1,050	6.3%	\$ 28,631	\$ 27,581	\$ 1,050	3.8%
Commissioner	Cash Payment 2015 - W-2				419	-	-	-	418.7	\$ -			\$ 10,944	\$ 10,944	\$ -	0.0%	\$ -	\$ -	\$ 16,800		\$ 159	\$ 679	\$ 49.53	\$ -	\$ 17,687	\$ 16,637	\$ 1,050	6.3%	\$ 28,631	\$ 27,581	\$ 1,050	3.8%
Commissioner	Cash Payment 2015 - W-2				432	-	-	-	431.7	\$ -			\$ 10,944	\$ 10,944	\$ -	0.0%	\$ -	\$ -	\$ 16,800		\$ 159	\$ 679	\$ 51.07		\$ 17,688	\$ 16,638	\$ 1,050	6.3%	\$ 28,632	\$ 27,582	\$ 1,050	3.8%
District Manager		Prior Year	With COLA	Step Inc	With Step																											
	Salary	\$ 134,703	\$ 136,859	\$ -	\$ 136,859																											
	Effective Hourly	\$ 64.76	\$ 65.80		\$ 65.80																											
	Cash Payment 2016 - W-2				2,088	88	-	-	2,176.0	\$ -	\$ -	\$ -	\$ 141,859	\$ 139,812	\$ 2,047	1.5%	\$ 500	\$ -	\$ 16,800	\$ 15,860	\$ 2,057	\$ 7,657	\$ 215	\$ 240	\$ 43,329	\$ 39,481	\$ 3,848	9.7%	\$ 185,188	\$ 179,293	\$ 5,895	3.3%
Finance Manager		Prior Year	With COLA	Step Inc	With Step																											
	Salary	\$ 117,833	\$ 119,718	\$ -	\$ 119,718																											
	Effective Hourly	\$ 56.65	\$ 57.56		\$ 57.56																											
	Cash Payment 2016 - W-2				2,088	88	-	-	2,176.0	\$ -	\$ -	\$ -	\$ 124,524	\$ 122,342	\$ 2,183	1.8%	\$ 500	\$ -	\$ 16,800	\$ 13,922	\$ 1,806	\$ 7,721	\$ 230	\$ 211	\$ 41,189	\$ 37,538	\$ 3,651	9.7%	\$ 165,714	\$ 159,880	\$ 5,834	3.6%
Senior Accountant		Prior Year	With COLA	Step Inc	With Step																											
	Effective Salary	\$ 70,635	\$ 71,766	\$ -	\$ 71,766																											
	Hourly	\$ 33.96	\$ 34.50		\$ 34.50																											
	Cash Payment 2016 - W-2				2,088	48	6.0	-	2,142.0	\$ -	\$ 310.52	\$ -	\$ 73,956	\$ 72,954	\$ 1,002	1.4%	\$ 500	\$ 840	\$ 16,800	\$ 8,268	\$ 1,072	\$ 4,585	\$ 212	\$ 123	\$ 32,402	\$ 30,169	\$ 2,232	7.4%	\$ 106,358	\$ 103,124	\$ 3,234	3.1%
Cust Service Rep I		Prior Year	With COLA	Step Inc	With Step																											
	Effective Salary	\$ 50,650	\$ 51,461	\$ 2,573.03	\$ 54,034																											
	Hourly	\$ 24.35	\$ 24.74		\$ 25.98																											
	Cash Payment 2016 - W-2				2,088	-	12.0	-	2,100.0	\$ -	\$ 464	\$ -	\$ 53,045	\$ 49,027	\$ 4,018	8.2%	\$ 500	\$ 840	\$ 16,800	\$ 5,930	\$ 769	\$ 3,289	\$ 222	\$ 88	\$ 28,438	\$ 25,213	\$ 3,225	12.8%	\$ 81,483	\$ 74,241	\$ 7,243	9.8%
Cust Service Rep II		Prior Year	With COLA	Step Inc	With Step																											
	Effective Salary	\$ 62,035	\$ 63,027		\$ 63,027																											
	Hourly	\$ 29.82	\$ 30.30		\$ 30.30																											
	Cash Payment 2016 - W-2				2,088	-	16	-	2,104.0	\$ -	\$ 727	\$ -	\$ 63,951	\$ 66,606	\$ (2,655)	-4.0%	\$ 500	\$ 840	\$ 16,800	\$ 7,150	\$ 927	\$ 3,965	\$ 216	\$ 106	\$ 30,504	\$ 28,016	\$ 2,488	8.9%	\$ 94,455	\$ 94,622	\$ (166)	-0.2%
Executive Assistant		Prior Year	With COLA	Step Inc	With Step																											
	Effective Salary	\$ 55,328	\$ 56,213	\$ -	\$ 56,213																											
	Hourly	\$ 26.60	\$ 27.03		\$ 27.03																											
	Cash Payment 2016 - W-2				1,253	-	8.0	-	1,260.8	\$ -	\$ 324	\$ -	\$ 34,157	\$ 42,291	\$ (8,134)	-19.2%	\$ 500	\$ 840	\$ 16,800	\$ 3,819	\$ 495	\$ 2,118	\$ 137	\$ 56	\$ 24,765	\$ 20,608	\$ 4,157	20.2%	\$ 58,922	\$ 62,899	\$ (3,977)	-6.3%
Operations Manager		Prior Year	With COLA	Step Inc	With Step																											
	Salary	\$ 123,724	\$ 125,704	\$ -	\$ 125,704																											
	Effective Hourly	\$ 59.48	\$ 60.43		\$ 60.43																											
	Cash Payment 2016 - W-2				2,088	88	-	-	2,176.0	\$ -	\$ -	\$ -	\$ 130,940	\$ 126,848	\$ 4,091	3.2%	\$ 500	\$ -	\$ 16,800	\$ 14,639	\$ 1,899	\$ 7,667	\$ 1,878	\$ 222	\$ 43,604	\$ 39,903	\$ 3,701	9.3%	\$ 174,544	\$ 166,752	\$ 7,792	4.7%
Inspector/ Project Manager		Prior Year	With COLA	Step Inc	With Step																											
	Salary	\$ 96,239	\$ 97,779	\$ -	\$ 97,779																											
	Effective Hourly	\$ 46.27	\$ 47.01		\$ 47.01																											
	Cash Payment 2016 - W-2				2,088	-	20.0	-	2,108.0	\$ -	\$ 1,410	\$ -	\$ 99,494	\$ 95,298	\$ 4,197	4.4%	\$ 500	\$ 960	\$ 16,800	\$ 11,123	\$ 1,443	\$ 6,169	\$ 1,957	\$ 167	\$ 39,119	\$ 36,262	\$ 2,857	7.9%	\$ 138,613	\$ 131,559	\$ 7,054	5.4%

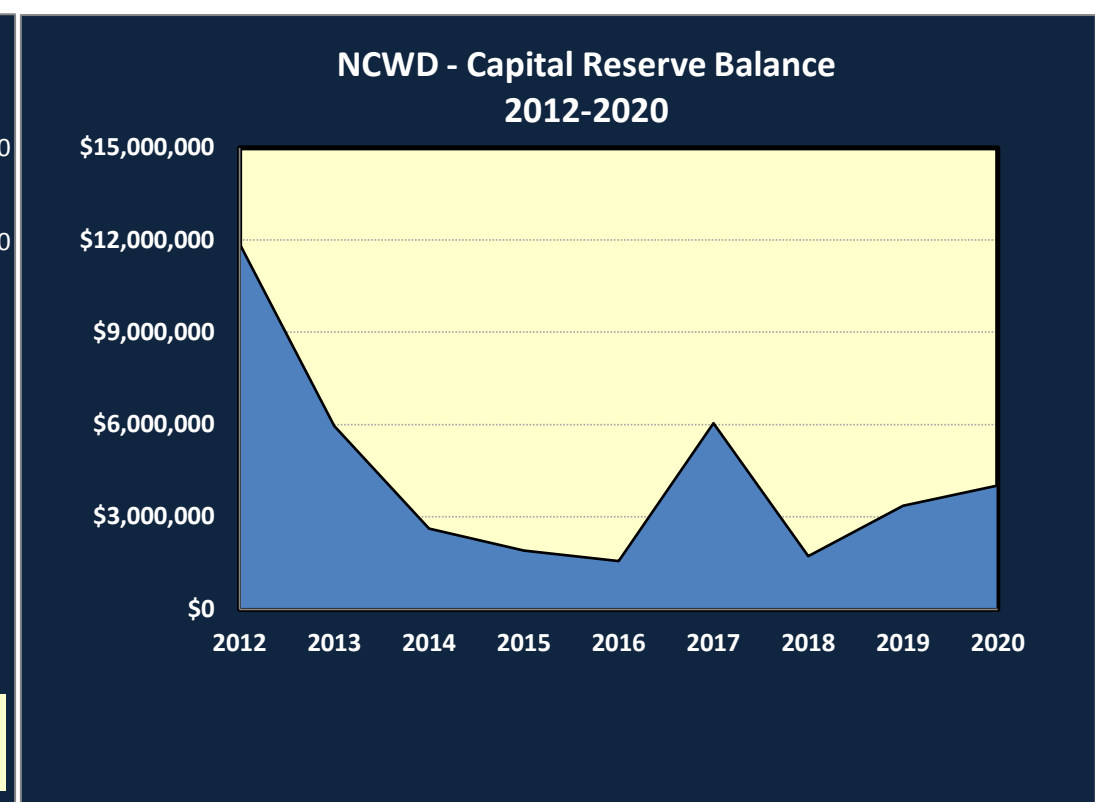
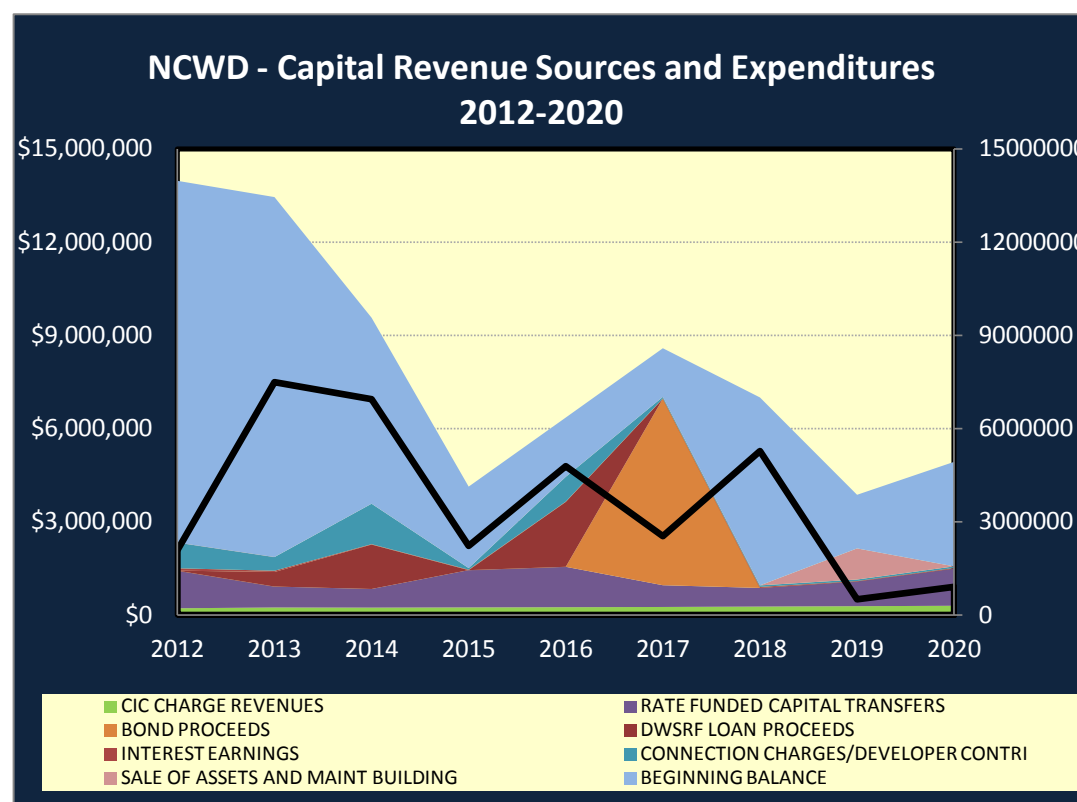
(1) Total gross pay for 2016 varies from the annual or effective annual salary due to estimates regarding overtime and vacation cash out hours, timing of the step increase and cash flow timing issue.

	2016 Salaries & Wages					
	2016 - Budget					
	Across the Board Increase	1.6%	Lump sum	\$	-	
MANAGEMENT						
TITLE	Steps	Step 1	Step 2	Step 3	Step 4	Step 5
Finance Manager	5	\$ 97,793.42	\$ 102,911.29	\$ 108,298.54	\$ 113,969.31	\$ 119,718.07
Operations Manager Certification Pay (5%)	5	\$ 97,793.42	\$ 102,911.29	\$ 108,298.54	\$ 113,969.31	\$ 119,718.07 \$ 5,985.90
FINANCE & ADMIN.DEPARTMENT						
TITLE	Steps	Step 1	Step 2	Step 3	Step 4	
Executive Assistant rate per hour	4	\$ 55,328.00 \$ 26.6000	\$ 59,984.34 \$ 28.8386	\$ 64,512.38 \$ 31.0156	\$ 67,738.00 \$ 32.5663	
Senior Accountant rate per hour	4	\$ 64,085.21 \$ 30.8102	\$ 67,991.14 \$ 32.6880	\$ 71,765.59 \$ 34.5027	\$ 75,353.87 \$ 36.2278	
Customer Care Specialist II rate per hour	3	\$ 60,026.04 \$ 28.8587	\$ 63,027.34 \$ 30.3016	\$ 66,178.71 \$ 31.8167		
Customer Care Specialist I rate per hour	3	\$ 51,460.77 \$ 24.7408	\$ 54,033.81 \$ 25.9778	\$ 56,735.50 \$ 27.2767		
OPERATIONS DEPARTMENT						
TITLE		YEAR 1	YEAR 2+	YEAR 3+		
Field Inspector/Project Manager* rate per hour	3	\$ 88,740.07 \$ 42.6635	\$ 93,149.38 \$ 44.7834	\$ 97,779.15 \$ 47.0092		
Operations Lead rate per hour	2	\$ 77,329.40 \$ 37.1776	\$ 82,892.48 \$ 39.8522			
Utility Person IV / Water Quality rate per hour	2	\$ 67,315.02 \$ 32.3630	\$ 71,765.27 \$ 34.5025			
Utility Person IV rate per hour	2	\$ 67,315.02 \$ 32.3630	\$ 71,765.27 \$ 34.5025			
Utility Person III rate per hour	2	\$ 59,526.29 \$ 28.6184	\$ 62,863.72 \$ 30.2229			
Utility Person II rate per hour	2	\$ 53,962.16 \$ 25.9433	\$ 57,300.64 \$ 27.5484			
Utility Person I rate per hour	2	\$ 48,733.98 \$ 23.4298	\$ 51,737.56 \$ 24.8738			
Standby Pay - weekly rate		\$ 340.2653				



Capital Costs

	Capital Plan Summary							
	2016 - Budget							
	2012-2014	2015	2016	2017	2018	2019	2020	2015-2020
SOURCES:								
Construction Fund Beginning Balance	\$ 155,724	\$ 2,620,955	\$ 1,907,153	\$ 1,565,777	\$ 6,045,773	\$ 1,725,215	\$ 3,363,303	\$ 2,620,955
Transfers from Sinking fund	3,010,507							-
Transfers from the Maintenance Fund	3,179,576	1,443,904	1,551,221	958,757	870,919	1,083,652	1,496,984	7,405,436
Interest Earnings	129,614	14,104	10,263	8,426	32,534	9,284	18,099	92,708
Connection Fees	1,065,899	52,354	797,880	50,000	50,000	50,000	50,000	1,050,234
2011 Bond Proceeds	8,200,000							-
2017 Bond Proceeds	-	-	-	6,000,000	-	-	-	6,000,000
Sale of Old Maintenance Property	-	-	-	-	-	1,000,000	-	1,000,000
DWSRF Loan	521,763	-	-	-	-	-	-	-
DWSRF Loan	1,376,958	-	2,087,042	-	-	-	-	2,087,042
Wireless Building Funding	791,148	-	-	-	-	-	-	-
Contribution by Joint Venture Developers	294,426	-	-	-	-	-	-	-
Contribution Towards Escrowed Funds	416,000	-	-	-	-	-	-	-
TOTAL SOURCES	19,141,616	4,131,316	6,353,558	8,582,960	6,999,226	3,868,151	4,928,386	20,256,375
USES:								
Admin Building - Design / Construction / Furniture & O	4,179,838	-	-	-	-	-	-	-
Additional Items	37,886	-	-	-	-	-	-	-
Back Lot	204,969	-	-	-	-	-	-	-
NCPS - .4MG Reservoir- Design and Construction	1,303,109	1,190,502	3,872,551	244,919	-	-	-	5,307,972
All Other NCPS Costs	-	404,746	315,548	-	-	-	-	720,294
NE 178th Street / McAleer Creek/LFP Culvert -	13,306	33,596	160,011	-	-	-	-	193,608
Water System Plan Updates	102,383	33,333	90,125	7,034	-	-	-	130,493
PRV Replace - Ridgcrest	15,589	137,946	-	-	-	-	-	137,946
GIS Project	-	1,233	45,100	31,142	32,387	33,683	35,030	178,576
Water Sample Stands -Legal and other	-	26,010	28,701	-	-	-	-	54,711
System-wide - Rebuild/Replace PRV Stations	-	-	112,947	275,257	286,267	297,718	-	972,189
CIP #4 - 15th and 24th	254,559	-	-	-	-	-	-	-
Maintenance Building	7,500	-	-	-	-	-	-	-
Land for Maintenace Building	2,463,525	-	-	-	-	-	-	-
Wireless Bldg, Railing on North City PS - CIP 3.7MG R	2,404,758	79,903	-	-	-	-	-	79,903
Meter Replacement Program	1,844,527	-	-	-	-	-	-	-
Joint Developer Projects	702,874	-	-	-	-	-	-	-
DSA and YMCA WESAs	242,687	-	-	-	-	-	-	-
Main Replc - NE 185th/187th - 28th/29th Ave NE	526,077	5,577	-	-	-	-	-	5,577
Telemetry/SCADA	261,012	-	-	-	-	-	-	-
Miscellaneous Completed Projects	682,430	-	-	-	-	-	-	-
Building for Maintenace Building	1,020,907	-	-	1,686,321	3,761,773	-	-	5,448,094
2.0 MG Reservoir Capial Improvements - Construction	-	-	-	118,843	-	-	-	118,843
CP 1f - 18th Ave	-	-	-	-	163,564	-	-	163,564
CP 10 - 19th Ave NE	-	-	-	-	214,982	-	-	214,982
CP 35 - NE 171st	-	-	-	-	99,399	-	-	99,399
CP 1i - NE 169th St & 22nd Ave NE	-	-	-	-	17,268	-	-	17,268
CP 2d - NE 160th and CP1i - NE 169th	-	-	-	-	515,936	-	-	515,936
CP 33 - 20th Place and CP12 - 200th / 25th	-	-	-	-	-	-	349,621	349,621
CP 12 - NE 200th St./25th Ave. NE	-	-	-	-	-	-	346,526	346,526
Meters/Services/Hydrants	91,401	167,788	14,999	15,449	16,067	16,710	17,378	248,390
Computer and Office Equipment	42,178	13,528	17,800	28,222	36,367	26,737	27,575	150,229
Capitalized Interest	-	130,000	130,000	130,000	130,000	130,000	130,000	780,000
TOTAL USES	16,401,515	2,224,163	4,787,781	2,537,187	5,274,010	504,848	906,130	16,234,119
ENDING BALANCE (Net Surplus)	\$2,740,100	\$1,907,153	\$1,565,777	\$6,045,773	\$1,725,215	\$3,363,303	\$4,022,255	\$4,022,255





Capital Plan - Project

2016 - Budget

North City Pump Station

Status: Ongoing

Locations: 18012 15th Ave NE

Funding Source: Rates

Permits: Building, Electrical, Plumbing, Fire & ROW

DWSRF loan proceeds

2016 Bond proceeds (reimbursement funding)

Project Elements	2012-2014	2015	2016	2017	2018	2019	2020	2015-2020	Project Total
Design	\$ 1,372,642	-	321,000					\$ 321,000	\$ 1,693,642
Construction - NCPS		1,248,497	3,738,474					4,986,972	4,986,972
Construction Savings		-	-	-				-	-
Retainage		(57,995)	(186,924)	244,919				-	-
Site Management		20,856	47,765					68,621	68,621
Inspection - Consultants		248,945	96,447					345,392	345,392
Inspection - In-house		54,594	80,799					135,394	135,394
Crew time		-	-					-	-
Project management		61,203	90,537					151,740	151,740
Legal & other		19,147	-					19,147	19,147
Total Costs	\$ 1,372,642	\$ 1,595,249	\$ 4,188,098	\$ 244,919	\$ -	\$ -	\$ -	\$ 6,028,265	\$ 7,400,907

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 accomidate/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

2016 - Budget

NE 178th Street Project, Phases I, II and III

Status: On-going

Funding Source: Rates

Locations: NE 178th Street from 37th Ave NE to Brookside Blvd NE

Permits: ROW, WDFW, SEPA

Project Elements	2012-2014	2015	2016	2017	2018	2019	2020	2015-2020	Project Total
Design	\$ -	\$ 7,968						\$ 7,968	\$ 7,968
Construction		-	160,011					160,011	160,011
Inspection		4,483	-					4,483	4,483
Crew time		6,354	-					6,354	6,354
Project management		750	-					750	750
Materials, legal & other		14,041	-					14,041	14,041
Total Costs		\$ 33,596	\$ 160,011	\$ -	\$ -	\$ -	\$ -	\$ 193,608	\$ 193,608

Project description: Installation of a new water main along NE 178th Street from 37th Ave NE and Brookside Blvd. Project to also include the annexation of 5 parcels to the District that are currently within the Lake Forest Park Water District. Project also includes installation of 7 services across NE 178th Street, prior to the installation of the new water main.

Rationale: The City of Lake Forest Park intends to make roadway improvements within the public right-of-way along NE 178th Street from 37th Ave NE to Brookside Blvd NE which will require North City Water District to relocate the water mains along the same corridor. Phase I of the project is to work with the City of Lake Forest Park's consulting engineer to install a water main as part of the City project. Phase II of the project is to deannex 5 parcels from Lake Forest Park Water District and annex them to North City Water District. Phase III of the project is to install water services from our existing water main to 7 parcels (2 parcels are part of NCWD but are currently being served by LFPWD).

GL Code:

Other project names: McAleer Creek Crossing, LFP Culvert - 178th Street
LFP Culvert - 178th Street
Brookside Annexation



Capital Plan - Project

2016 - Budget

Water System Plan Update

Status: Ongoing

Funding Source: Rates

Locations: District wide

Permits: None; DOH and King County approval required

Project Elements	2012-2014	2015	2016	2017	2018	2019	2020	2015-2020	Project Total
Consulting		\$ 30,000	\$ 70,000	\$ -	\$ -		\$ -	\$ 100,000	\$ 100,000
Crew time		-	-	-	-		-	-	-
Project management / review		-	12,416	4,304	-		-	16,721	16,721
Management review		-	4,375	2,730	-		-	7,105	7,105
Legal & other		3,333	3,333	-	-		-	6,667	6,667
Total Costs		\$ 33,333	\$ 90,125	\$ 7,034	\$ -	\$ -	\$ -	\$ 130,493	\$ 130,493

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 2016 once the North City Pump Station project is completed then update the CIP schedule in 2016/2017. They 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. The District is required to submit new information to the Department of Health prior to January 2020. The District will be expecting to update the Water System Plan by 2024 s to be updated less frequently than the WAC required 6 year cycle.

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 should be identified. 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. The hydraulic modeling of the final adopted land use in 2016 will assure appropriate design and construction of water facilities can be coordinated with construction of other infrastructure systems in these areas. Well designed utility facilities minimize the opportunities for pipe failures. Designing sufficient utility capacity for the planned population is proactive and results in the least life cycle cost for water mains.

GL Code:

2-00-189879

Other project names:

Project 45 Water System Plan - 2013 WSP
Comp Plan



Capital Plan - Project

2016 - Budget

Individual Pressure Reducing Valve Installation Ridgecrest (615 PZ West, Phase II)

Status: Ongoing
Funding Source: Rates

Locations: Ridgecrest Neighborhood
Permits: None

Project Elements	2012-2014	2015	2016	2017	2018	2019	2020	2015-2020	Project Total
Design - in-house	\$ -	\$ 3,289	\$ -					\$ 3,289	\$ 3,289
Construction		129,783	-					129,783	129,783
Inspection		4,874	-					4,874	4,874
Crew time		-	-					-	-
Project management		-	-					-	-
Total Costs		\$ 137,946	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 137,946	\$ 137,946

Project description: Installation of 132 individual PRVs to homes and businesses in the Ridgecrest Neighborhood to sustain the water pressure.

Rationale: During the project with Development Services of America (DSA), the District considered the options of doing zone separation improvements to expand the existing 615 pressure zone and create a new 615 "West" pressure zone, in addition to projects 1e and 1g in the 2013 water system plan. District staff and the District's consulting engineer recommend in their 10/15/2012 memorandum to the District, to "eliminate projects 1g (NE 157th Street and 3rd Avenue NE), 1e (NE 156th Street and 5th Avenue NE) and 2e (5th Avenue NE between 155th and 156th Streets) to reduce the construction costs and expand the new 615 "West" zone to the south and west. District staff confirmed all the residential services over 80 psi that will require installation of individual residential PRVs. The first 168 individual PRVs have been installed as part of the DSA Escrow project. The remaining 132 individual PRVs will be installed as a separate project.

GL Code: 1-00-189010 phase I-00-189251
Other project names: In addition to Projects 1e and 1g - 2013 WSP
CIP 2013-02 for phase I



Capital Plan - Project

2016 - Budget

GIS Project

Status: Ongoing

Funding Source: Rates

Locations: District wide

Permits: None

Project Elements	2012-2014	2015	2016	2017	2018	2019	2020	2015-2020	Project Total
Arials		\$ 1,233	\$ 1,233	\$ 1,270	\$ 1,321	\$ 1,374	\$ 1,429	\$ 7,859	\$ 7,859
ESRI with annual update		-	30,000	15,450	16,068	16,711	17,379	95,608	95,608
District labor		-	13,867	14,422	14,999	15,599	16,223	75,109	75,109
Total Costs		\$ 1,233	\$ 45,100	\$ 31,142	\$ 32,387	\$ 33,683	\$ 35,030	\$ 178,576	\$ 178,576

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:

2-00-189870

Other project names:

Project 54 Water System Plan - 2013 WSP



Capital Plan - Project

2016 - Budget

Additional Water Quality Sample Stands

Status: Projected

Locations: Six, in various locations

Funding Source: Rates

Permits:

Project Elements	2012-2014	2015	2016	2017	2018	2019	2020	2015-2020	Project Total
Construction		\$ 25,530	\$ 13,000	\$ -	\$ -	\$ -	\$ -	\$ 38,530	\$ 38,530
Crew time		\$ 480	\$ 14,748	\$ -	\$ -	\$ -	\$ -	\$ 15,228	\$ 15,228
Project management		\$ -	\$ 853	\$ -	\$ -	\$ -	\$ -	\$ 853	\$ 853
Legal & other		-	100	-	-	-	-	100	100
Total Costs		\$ 26,010	\$ 28,701	\$ -	\$ -	\$ -	\$ -	\$ 54,711	\$ 54,711

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.

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

2016 - Budget

System-wide Rebuild/Replace PRV Stations

Status: Ongoing

Funding Source: Rates

Locations: Various

Permits: Not required unless vault is replaced, then ROW

Project Elements	2012-2014	2015	2016	2017	2018	2019	2020	2015-2020	Project Total
Construction	\$ -	\$ -	\$ 75,000	\$ 247,200	\$ 257,088	\$ 267,372		\$ 846,660	\$ 846,660
Crew time		-	33,808	25,905	26,941	28,019		114,673	114,673
Project management		-	4,139	2,152	2,238	2,328		10,857	10,857
Total Costs		\$ -	\$ 112,947	\$ 275,257	\$ 286,267	\$ 297,718	\$ -	\$ 972,189	\$ 972,189

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.

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

2016 - Budget

Maintenance Building

Status: Ongoing
 Funding Source: Rates
 2016 Bond Proceeds
 Sale of existing maintenance building

Locations: 15555 15th Ave NE
 Permits: Building, Electrical, Plumbing, Fire & ROW

Project Elements	2012-2014	2015	2016	2017	2018	2019	2020	2015-2020	Project Total
Design	\$ 7,500	\$ -		472,770				\$ 472,770	\$ 480,270
Land Costs	\$ 2,355,322								2,355,322
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	79,537	-	-	105,287	105,287
Sidewalks		-	-	31,055	95,921	-	-	126,976	126,976
Generator		-	-	12,875	39,768	-	-	52,643	52,643
Stormwater Improvements		-	-	12,875	39,768	-	-	52,643	52,643
Security		-	-	3,863	11,930	-	-	15,793	15,793
Fencing and gates		-	-	36,243	111,948	-	-	148,191	148,191
Crew building		-	-	115,875	357,915	-	-	473,790	473,790
Metal Building		-	-	772,758	2,386,893	-	-	3,159,651	3,159,651
Contingency for buildings		-	-	-	513,105	-	-	513,105	513,105
Crew time design/const & moving		-	-	30,455	31,673	-	-	62,128	62,128
Project management		-	-	66,718	69,386	-	-	136,104	136,104
Management review		-	-	18,200	18,928	-	-	37,128	37,128
Legal & other			-	5,000	5,000	-	-	10,000	10,000
Total Costs	\$ 3,383,728	\$ -	\$ -	\$ 1,686,321	\$ 3,761,773	\$ -	\$ -	\$ 5,448,094	\$ 8,831,822

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. - amounts shown in table are inflated.

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. It is in the best interest of the District to begin design and construction of the new facility prior to the NW Church moving out of the facility in May 2016 so as to minimize the amount of time the property will be vacant.

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



Capital Plan - Project

2016 - Budget

2.0 MG Reservoir Misc Capital Improvements

Status: Projected

Locations: 2.0 MG reservoir site

Funding Source: Rates

Permits:

Project Elements	2012-2014	2015	2016	2017	2018	2019	2020	2015-2020	Project Total
Construction		\$ -	\$ -	\$ 114,400	\$ -	\$ -	\$ -	\$ 114,400	\$ 114,400
Inspection		-	-	724	-	-	-	\$ 724	\$ 724
Crew time		-	-	2,273	-	-	-	\$ 2,273	\$ 2,273
Project management		-	-	946	-	-	-	\$ 946	\$ 946
Legal & other		-	-	500	-	-	-	500	500
Total Costs		\$ -	\$ -	\$ 118,843	\$ -	\$ -	\$ -	\$ 118,843	\$ 118,843

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

2016 - Budget

18th Avenue NE (CIP 1f)

Status: Projected

Funding Source: Rates

Locations: 18th Ave NE

Permits: ROW

Project Elements	2012-2014	2015	2016	2017	2018	2019	2020	2015-2020	Project Total
Construction			\$ -	\$ -	\$ 145,683			\$ 145,683	\$ 145,683
Inspection			-	-	8,218			8,218	8,218
Crew time			-	-	-			-	-
Project management			-	-	7,162			7,162	7,162
Legal & other			-	-	2,500			2,500	2,500
Total Costs		\$ -	\$ -	\$ -	\$ 163,564	\$ -	\$ -	\$ 163,564	\$ 163,564

Project description: Installation of 400 ft of 8" water main.

Rationale: New 615 Transmission Main to provide looping and maintain fire flow capacity.

GL Code:

Other project names: CIP 2012-07



Capital Plan - Project

2016 - Budget

19th Avenue NE/20427 19th Ave NE (CIP 10)

Status: Projected

Funding Source: Rates

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

Permits:

Project Elements	2012-2014	2015	2016	2017	2018	2019	2020	2015-2020	Project Total
Construction			\$ -	\$ -	\$ 197,101			\$ 197,101	\$ 197,101
Inspection			-	-	8,218			8,218	8,218
Crew time			-	-	-			-	-
Project management			-	-	7,162			7,162	7,162
Legal & other			-	-	2,500			2,500	2,500
Total Costs		\$ -	\$ -	\$ -	\$ 214,982	\$ -	\$ -	\$ 214,982	\$ 214,982

Project description: Installation of 420 ft of 8" water main.

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.

GL Code:

Other project names:



Capital Plan - Project

2016 - Budget

NE 171st Street (CIP 35)

Status: Projected

Funding Source: Rates

Locations:

Permits:

Project Elements	2012-2014	2015	2016	2017	2018	2019	2020	2015-2020	Project Total
Construction				\$ -	\$ 87,838			\$ 87,838	\$ 87,838
Inspection				-	5,479			5,479	5,479
Crew time				-	-			-	-
Project management				-	3,581			3,581	3,581
Legal & other				-	2,500			2,500	2,500
Total Costs		\$ -	\$ -	\$ -	\$ 99,399	\$ -	\$ -	\$ 99,399	\$ 99,399

Project description: Installation of 225 ft of 8" water main.

Rationale: Installation of 225 ft of 8" water main.

GL Code:

Other project names:

CIP 2012-08



Capital Plan - Project

2016 - Budget

NE 169th Street & 22nd Avenue NE (CIP 1i)

Status: Projected

Funding Source: Rates

Locations: NE 169th Street & 22nd Avenue NE

Permits:

Project Elements	2012-2014	2015	2016	2017	2018	2019	2020	2015-2020	Project Total
Construction				\$ -	\$ 10,712			\$ 10,712	\$ 10,712
Inspection				-	1,370			1,370	1,370
Crew time				-	-			-	-
Project management				-	2,686			2,686	2,686
Legal & other				-	2,500			2,500	2,500
Total Costs		\$ -	\$ -	\$ -	\$ 17,268	\$ -	\$ -	\$ 17,268	\$ 17,268

Project description: Connect 615 Zone 6" main to 6" main in 22nd Avenue. Maintain check valve connection with new 12" transmission main to the 590 Zone.

Rationale: Connect 615 Zone 6" main to 6" main in 22nd Avenue. Maintain check valve connection with new 12" transmission main to the 590 Zone.

GL Code:

Other project names:



Capital Plan - Project

2016 - Budget

NE 160th Street (CIP 2d)

Status: Projected

Funding Source: Rates

Locations: NE 160th Street

Permits:

Project Elements	2012-2014	2015	2016	2017	2018	2019	2020	2015-2020	Project Total
Construction				\$ -	\$ 494,894			\$ 494,894	\$ 494,894
Inspection				-	9,588			9,588	9,588
Crew time				-	-			-	-
Project management				-	8,953			8,953	8,953
Legal & other				-	2,500			2,500	2,500
Total Costs		\$ -	\$ -	\$ -	\$ 515,936	\$ -	\$ -	\$ 515,936	\$ 515,936

Project description: Installation of 1,000 ft of 8" water main.

Rationale: New 590 transmission main to provide looping at zone boundary and maintain fire flow capacity. Install PRV between 590 to 515 Zones (with 8" backflow check valve from 515 to 590 zone for fire flow) on NE 160th between 26th & 27th Ave NE.

GL Code:

Other project names:



Capital Plan - Project

2016 - Budget

20th Place NE (CIP 33)

Status: Projected

Funding Source: Rates

Locations: 20th Place NE

Permits: ROW

Project Elements	2012-2014	2015	2016	2017	2018	2019	2020	2015-2020	Project Total
Construction							\$ 323,252	\$ 323,252	\$ 323,252
Inspection							11,852	11,852	11,852
Crew time							-	-	-
Project management							11,620	11,620	11,620
Legal & other							2,897	2,897	2,897
Total Costs		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 349,621	\$ 349,621	\$ 349,621

Project description: Install 665 feet of 8" mains.

Rationale: Connect dead-ends and replace existing 4" mains with 8" mains to meet fire flow velocity criteria and for water quality.

GL Code:

Other project names:



Capital Plan - Project

2016 - Budget

NE 200th Street/25th Avenue NE (CIP 12)

Status: Projected

Funding Source: Rates

Locations: NE 200th Street/25th Avenue N

Permits:

Project Elements	2012-2014	2015	2016	2017	2018	2019	2020	2015-2020	Project Total
Construction							\$ 322,094	\$ 322,094	\$ 322,094
Inspection							11,852	11,852	11,852
Crew time							-	-	-
Project management							9,684	9,684	9,684
Legal & other							2,897	2,897	2,897
Total Costs		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,526	\$ 346,526	\$ 346,526

Project description: Install 570 feet of 12" mains.

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.

GL Code:

Other project names:



Capital Plan - Project

2016 - Budget

Other On-going Capital Costs

Status: On-going

Locations: Various

Funding Source: Rates

Permits:

Project Elements	2012-2014	2015	2016	2017	2018	2019	2020	2015-2020	Project Total
Meter and Services Replacements		\$ 164,809	\$ 8,333	\$ 8,583	\$ 8,926	\$ 9,283	\$ 9,655	\$ 209,589	\$ 209,589
Valves Replacements		-	3,333	3,433	3,570	3,713	3,862	17,911	17,911
Hydrant Replacements		2,979	3,333	3,433	3,570	3,713	3,862	20,890	20,890
Technology Additions & Replc.		13,528	7,800	17,922	14,943	15,597	15,989	85,779	85,779
Tools, Equipment and Furniture		-	10,000	10,300	21,424	11,140	11,586	64,451	64,451
Total Costs		\$ 181,316	\$ 32,799	\$ 43,671	\$ 52,434	\$ 43,447	\$ 44,953	\$ 398,620	\$ 398,620

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:



Vehicle Replacement Plan

	Vehicle Replacement Plan										
	2016 Budget										
Vehicle Replacement Plan	Year in Service	Life	Initial Repl Yr	2015	2016	2017	2018	2019	2020	2021	TOTAL
Unit # 1 2007 Intern't Vac-Con 5204	2009	12	2021	-	-	-	-	-	-	400,000	\$ 400,000
Unit # 2 2010 F-150 P/U	2010	10	2020	-	-	-	-	-	30,000	-	\$ 30,000
Unit # 3 2010 F-150 P/U	2010	10	2020	-	-	-	-	-	30,000	-	\$ 30,000
Unit # 4 2000 Dodge P/U	2000	10	2015	30,480	-	-	-	-	-	-	\$ 30,480
Unit # 5 GMC 10 Yard Dump	1997	20	2017	-	-	102,000	-	-	-	-	\$ 102,000
Unit # 8 2010 F-150 4x4	2010	10	2020	-	-	-	-	-	35,000	-	\$ 35,000
Unit # 15 2001 Chevy P/U	2001	10	2015	34,480	-	-	-	-	-	-	\$ 34,480
Unit # 17 2007 Interl 5 Yard Dump	2007	15	2022	-	-	-	-	-	-	-	\$ -
Unit # 18 2013 F-350 Service Body	2013	15	2028	-	-	-	-	-	-	-	\$ -
Unit # 19 2013 F-150 P/U	2013	10	2023	-	-	-	-	-	-	-	\$ -
Unit # 20 F-550 Service Van	2013	15	2028	-	-	-	-	-	-	-	\$ -
2000 Durango	2000	10	2015	38,590	-	-	-	-	-	-	\$ 38,590
District Manager Vehicle	2015	10	2025	38,590	-	-	-	-	-	-	\$ 38,590
TR-1 Backhoe 1991	1991	35	2026	-	-	-	-	-	-	-	\$ -
TR-2 Backhoe 2003	2003	35	2038	-	-	-	-	-	-	-	\$ -
TOTAL				\$ 142,140	\$ -	\$ 102,000	\$ -	\$ -	\$ 95,000	\$ 400,000	\$ 739,140
Vehicle Replacement Account				2015	2016	2017	2018	2019	2020	2021	Total
BEGINNING BALANCE				\$ 120,000	\$ 115,217	\$ 194,945	\$ 183,577	\$ 274,127	\$ 372,551	\$ 379,414	\$ 120,000
<u>Sources:</u>											-
Net Interest Earnings				1,200	1,728	3,899	4,589	8,224	13,039	13,280	45,959
Revenue from Surplus Sales				17,000	-	12,879	-	-	13,493	-	43,373
Transfer from Operating Revenues				122,000	95,000	100,000	105,000	110,000	116,000	121,000	769,000
Total Sources				\$ 260,200	\$ 211,945	\$ 311,724	\$ 293,166	\$ 392,351	\$ 515,083	\$ 513,694	\$ 978,332
<u>Uses:</u>											-
Unit # 1 2007 Intern't Vac-Con 5204				-	-	-	-	-	-	(503,912)	(503,912)
Unit # 1 2007 Intern't Vac-Con 5205 - ANNUAL Major Maint				-	(17,000)	(18,307)	(19,039)	(19,801)	(20,593)	-	(94,739)
Unit # 2 2010 F-150 P/U				-	-	-	-	-	(36,340)	-	(36,340)
Unit # 3 2010 F-150 P/U				-	-	-	-	-	(36,340)	-	(36,340)
Unit # 4 2000 Dodge P/U - Unit 21 2015 Ford Explorer				(31,090)	-	-	-	-	-	-	(31,090)
Unit # 5 GMC 10 Yard Dump				-	-	(109,840)	-	-	-	-	(109,840)
Unit # 8 2010 F-150 4x4				-	-	-	-	-	(42,396)	-	(42,396)
Unit # 15 2001 Chevy P/U - Unit 22 2015 Ford Explorer				(35,170)	-	-	-	-	-	-	(35,170)
Unit # 17 2007 International 5 Yard Dump				-	-	-	-	-	-	-	-
Unit # 18 2013 F-350 Service Body				-	-	-	-	-	-	-	-
Unit # 19 2013 F-150 P/U				-	-	-	-	-	-	-	-
Unit # 20 F-550 Service Van				-	-	-	-	-	-	-	-
2000 Durango - Unit 23 2015 Ford Explorer				(39,362)	-	-	-	-	-	-	(39,362)
District Manager Vehicle - Unit 24 2015 Ford Explorer				(39,362)	-	-	-	-	-	-	(39,362)
TR-1 Backhoe 1991				-	-	-	-	-	-	-	-
TR-2 Backhoe 2001				-	-	-	-	-	-	-	-
Total Uses				\$ (144,983)	\$ (17,000)	\$ (128,147)	\$ (19,039)	\$ (19,801)	\$ (135,669)	\$ (503,912)	\$ (968,550)
ENDING BALANCE				\$ 115,217	\$ 194,945	\$ 183,577	\$ 274,127	\$ 372,551	\$ 379,414	\$ 9,782	\$ 9,782

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										
	2016 Budget										
Vehicle Replacement Plan	Year in Service	Life	Initial Repl Yr	2022	2023	2024	2025	2026	2027	2028	TOTAL
Unit # 1 2007 Intern't Vac-Con 5204	2009	12	2021	-	-	-	-	-	-	-	\$ -
Unit # 2 2010 F-150 P/U	2010	10	2020	-	-	-	-	-	-	-	\$ -
Unit # 3 2010 F-150 P/U	2010	10	2020	-	-	-	-	-	-	-	\$ -
Unit # 4 2000 Dodge P/U	2000	10	2015	-	-	-	30,000	-	-	-	\$ 30,000
Unit # 5 GMC 10 Yard Dump	1997	20	2017	-	-	-	-	-	-	-	\$ -
Unit # 8 2010 F-150 4x4	2010	10	2020	-	-	-	-	-	-	-	\$ -
Unit # 15 2001 Chevy P/U	2001	10	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	15	2028	-	-	-	-	-	-	56,000	\$ 56,000
Unit # 19 2013 F-150 P/U	2013	10	2023	-	90,000	-	-	-	-	-	\$ 90,000
Unit # 20 F-550 Service Van	2013	15	2028	-	-	-	-	-	-	93,000	\$ 93,000
2000 Durango	2000	10	2015	-	-	-	38,600	-	-	-	\$ 38,600
District Manager Vehicle	2015	10	2025	-	-	-	38,600	-	-	-	\$ 38,600
TR-1 Backhoe 1991	1991	35	2026	-	-	-	-	108,000	-	-	\$ 108,000
TR-2 Backhoe 2003	2003	35	2038	-	-	-	-	-	-	-	\$ -
TOTAL				\$ 92,000	\$ 90,000	\$ -	\$ 142,200	\$ 108,000	\$ -	\$ 149,000	\$ 581,200
Vehicle Replacement Account				2022	2023	2024	2025	2026	2027	2028	Total
BEGINNING BALANCE				\$ 9,782	\$ 29,722	\$ 53,510	\$ 191,383	\$ 154,085	\$ 160,354	\$ 318,967	\$ 9,782
<u>Sources:</u>											-
Net Interest Earnings				342	1,040	1,873	6,698	5,393	5,612	11,164	32,123
Revenue from Surplus Sales				14,133	14,379	-	24,573	19,410	-	28,963	101,459
Transfer from Operating Revenues				126,000	131,000	136,000	141,000	147,000	153,000	159,000	993,000
Total Sources				\$ 150,258	\$ 176,142	\$ 191,383	\$ 363,654	\$ 325,887	\$ 318,967	\$ 518,094	\$ 1,136,364
<u>Uses:</u>											
Unit # 1 2007 Intern't Vac-Con 5204				-	-	-	-	-	-	-	-
Unit # 1 2007 Intern't Vac-Con 5205 - ANNUAL Major Maint				-	-	-	-	-	-	(28,182)	(28,182)
Unit # 2 2010 F-150 P/U				-	-	-	-	-	-	-	-
Unit # 3 2010 F-150 P/U				-	-	-	-	-	-	-	-
Unit # 4 2000 Dodge P/U - Unit 21 2015 Ford Explorer				-	-	-	(44,213)	-	-	-	(44,213)
Unit # 5 GMC 10 Yard Dump				-	-	-	-	-	-	-	-
Unit # 8 2010 F-150 4x4				-	-	-	-	-	-	-	-
Unit # 15 2001 Chevy P/U - Unit 22 2015 Ford Explorer				-	-	-	(51,582)	-	-	-	(51,582)
Unit # 17 2007 International 5 Yard Dump				(120,536)	-	-	-	-	-	-	(120,536)
Unit # 18 2013 F-350 Service Body				-	-	-	-	-	-	(92,836)	(92,836)
Unit # 19 2013 F-150 P/U				-	(122,632)	-	-	-	-	-	(122,632)
Unit # 20 F-550 Service Van				-	-	-	-	-	-	(154,174)	(154,174)
2000 Durango - Unit 23 2015 Ford Explorer				-	-	-	(56,887)	-	-	-	(56,887)
District Manager Vehicle - Unit 24 2015 Ford Explorer				-	-	-	(56,887)	-	-	-	(56,887)
TR-1 Backhoe 1991				-	-	-	-	(165,533)	-	-	(165,533)
TR-2 Backhoe 2001				-	-	-	-	-	-	-	-
Total Uses				\$ (120,536)	\$ (122,632)	\$ -	\$ (209,569)	\$ (165,533)	\$ -	\$ (275,192)	\$ (893,462)
ENDING BALANCE				\$ 29,722	\$ 53,510	\$ 191,383	\$ 154,085	\$ 160,354	\$ 318,967	\$ 242,901	\$ 242,901

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

2016 - Budget

Year	2011 Revenue Bond \$9,865,000		PWTF Loan Prin & Int	DWSRF Loan \$3,985,760 Est. Prin & Int	COMBINED ANNUAL DEBT SERVICE	CAPITALIZED INTEREST	NET DEBT SERVICE
	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	(130,000)	668,742
2016	540,000	225,348		230,797	996,145	(130,000)	866,145
2017	555,000	214,548		230,797	1,000,345	(130,000)	870,345
2018	565,000	203,448		230,797	999,245		999,245
2019	580,000	192,148		230,797	1,002,945		1,002,945
2020	395,000	179,098		230,797	804,895		804,895
2021	405,000	169,223		230,797	805,020		805,020
2022	415,000	159,098		230,797	804,895		804,895
2023	430,000	147,685		230,797	808,482		808,482
2024	440,000	134,785		230,797	805,582		805,582
2025	455,000	121,585		230,797	807,382		807,382
2026	465,000	107,935		230,797	803,732		803,732
2027	480,000	93,985		230,797	804,782		804,782
2028	500,000	77,185		230,797	807,982		807,982
2029	515,000	58,435		230,797	804,232		804,232
2030	535,000	40,925		230,797	806,722		806,722
2031	555,000	22,200		230,797	807,997		807,997
2032				230,797	230,797		230,797
2033				230,797	230,797		230,797
2034				230,797	230,797		230,797
2035				192,903	192,903		192,903
2036					-		
TOTAL	\$ 9,865,000	\$ 3,087,189	\$ 218,260	\$ 4,615,940	\$ 17,786,389	\$ (705,916)	\$ 17,080,473

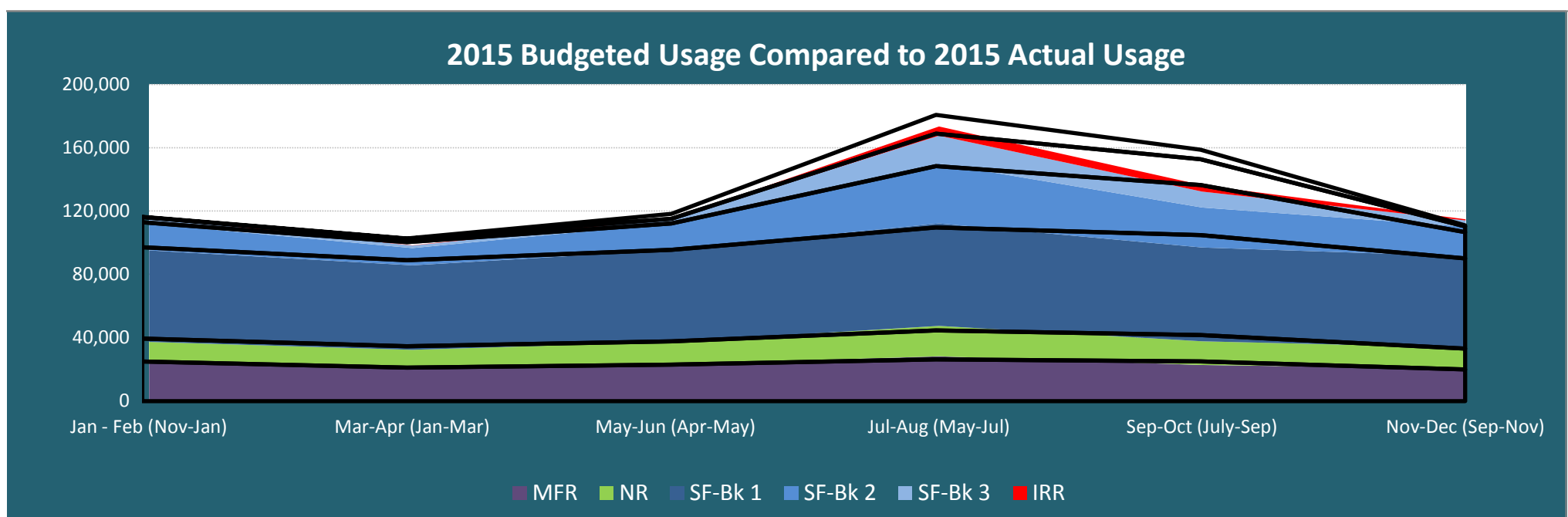
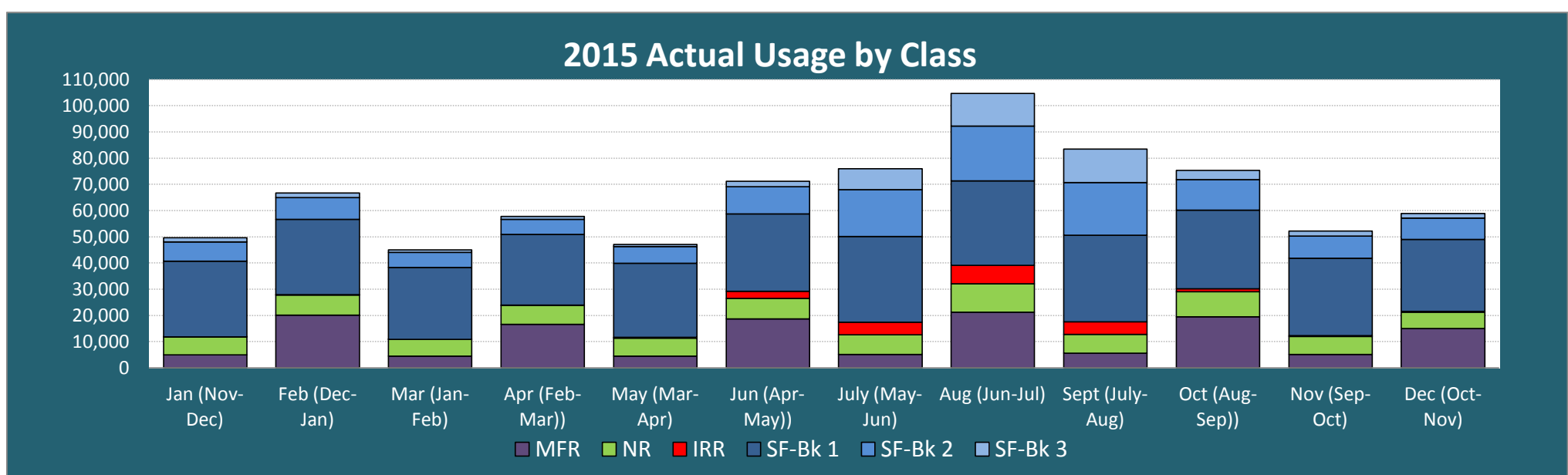
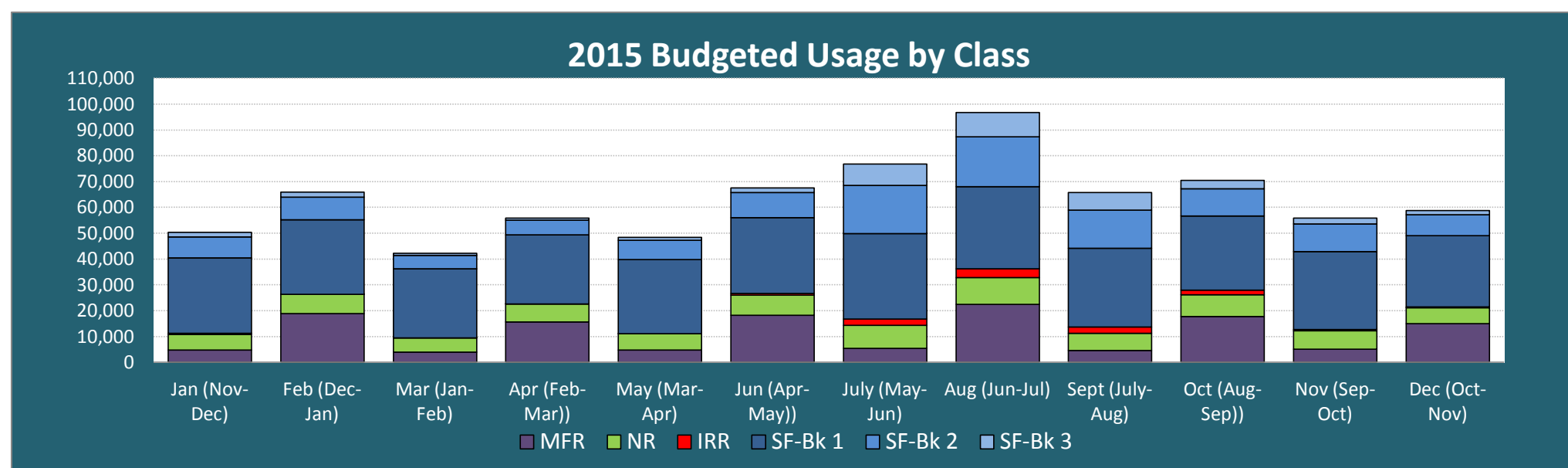


Revenues

2016 Budgeted Usage

2015 Budget to Actual Usage Comparison

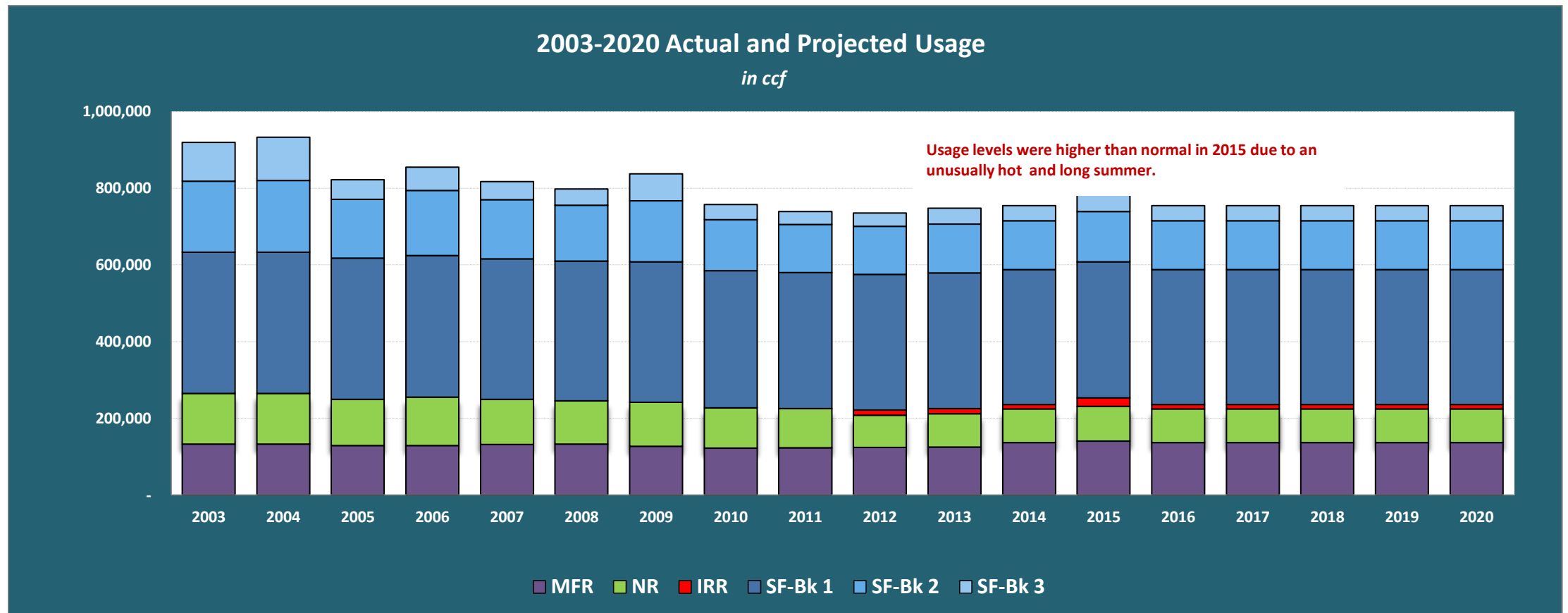
2016 - Budget



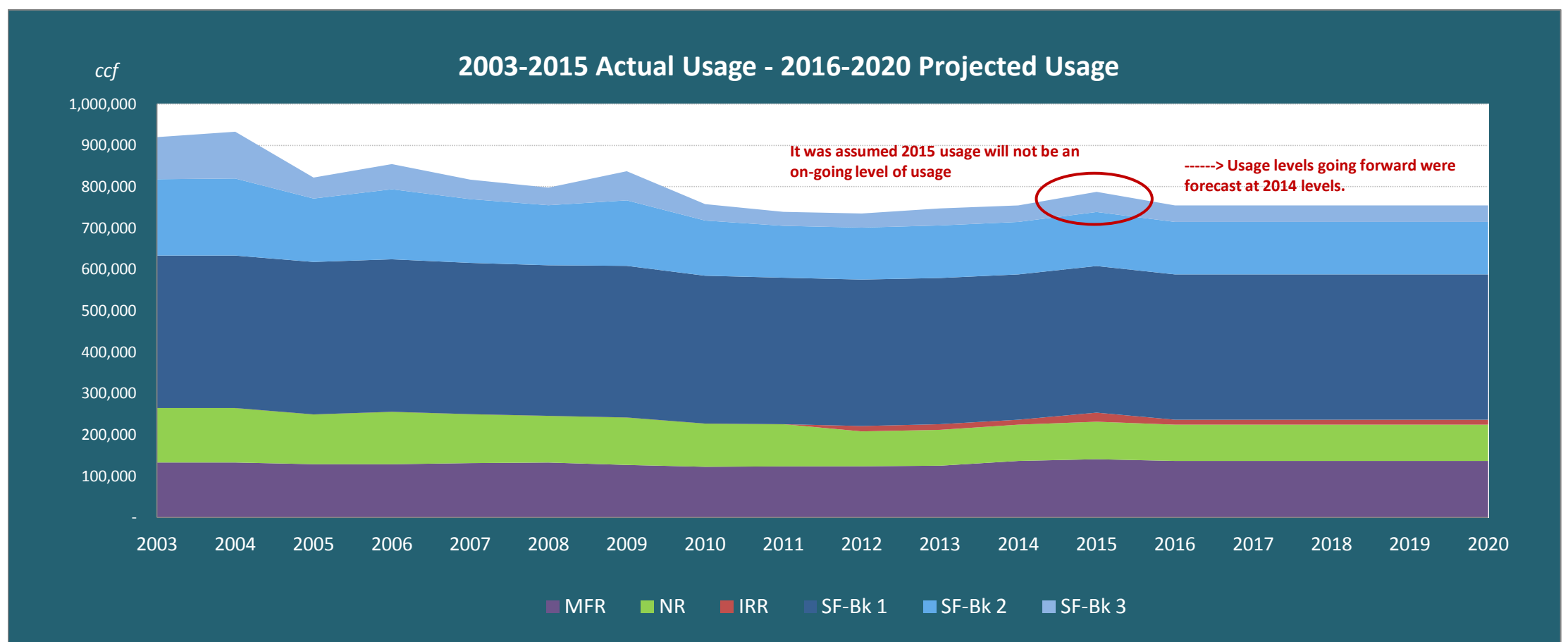
The bold black lines are the 2015 actual usage compared to the budgeted usage for 2015. It shows that most of the extra usage occurred during the summer months, which is consistent with the hot summer experienced in this region. The irrigation customers, and the third block of the single family users is where most of the extra usage occurred. The water usage within the multi-family class (MRF) tracks the mostly closely with the budgeted usage year-round, followed by the non-residential customers, which is consistent with their lower need of water for recreational and irrigation purposes. The non-summer months are completely consistent with the forecast usage for all classes. **Therefore, it was determined that the 2015 budgeted usage (based on usage from 2010-2014) will also be used for 2016-2020 budgeted usage until further data is gathered.**

Usage History with Forecast - 2003-2020

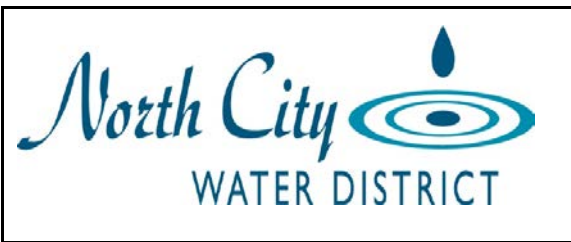
2016 - Budget



CLASS / BLOCKS	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
IRR				-	-	-	-	-	-	13,000	13,664	11,990	21,972	11,990	11,990	11,990	11,990	11,990
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	87,732	87,732	87,732	87,732	87,732
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	136,546	136,546	136,546	136,546	136,546
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	48,735	39,981	39,981	39,981	39,981	39,981
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	130,710	126,935	126,935	126,935	126,935	126,935
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	354,648	351,482	351,482	351,482	351,482	351,482
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	787,494	754,666	754,666	754,666	754,666	754,666



Both of the graphs shown above show the actual water usage by class, and by block within the Single Family class, from 2003 through 2015. After 2015, the usage is projected to remain at the 2014 level going forward. 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 (and actually prior to that) 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 as dramatically as it was in other parts of the region. However, usage billed in November of 2015 does show some decline in usage but it is too soon to determine if the North City customers are further conserving water or it is just a natural variability in usage. Therefore the usage forecast will continue at the approximate levels used during the 2010-2014 time frame. The actual water used during the winter months of late 2015 and early 2016 will give us a better idea if the usage forecast needs to show a further downward trend or whether it should remain at the currently forecasted levels. If a downward trend is indicated, this could result in the need for higher rate increases or more efforts taken to cut costs if rate increases are to remain at the currently forecasted levels.

	2016 Revenue Requirement Increase 2016 - Budget																												
Projected 2016 Costs (Needs/Uses): <table> <tr><td>Purchased Water:</td><td>\$ 1,446,815</td></tr> <tr><td>Salaries and Benefits</td><td>1,621,625</td></tr> <tr><td>Administration and O&M</td><td>791,398</td></tr> <tr><td>Taxes</td><td>346,000</td></tr> <tr><td>Franchise Fees</td><td>363,500</td></tr> <tr><td>Debt Service</td><td>866,145</td></tr> <tr><td>Capital Transfer</td><td>1,300,000</td></tr> <tr><td>CIC Transfer</td><td>251,221</td></tr> <tr><td>Vehicle Replacement Contribution</td><td>95,000</td></tr> <tr><td>Additions to (Use of) Reserves</td><td><u>(107,048)</u></td></tr> <tr><td>Total Projected 2016 Costs (Needs/Uses)</td><td>6,974,656</td></tr> <tr><td>Plus Growth Revenues</td><td>0</td></tr> <tr><td>Less Interest Earnings</td><td>(20,219)</td></tr> <tr><td>Less Other Revenue (<i>Late Fees, Rents, Hookups</i>)</td><td>(548,820)</td></tr> </table>	Purchased Water:	\$ 1,446,815	Salaries and Benefits	1,621,625	Administration and O&M	791,398	Taxes	346,000	Franchise Fees	363,500	Debt Service	866,145	Capital Transfer	1,300,000	CIC Transfer	251,221	Vehicle Replacement Contribution	95,000	Additions to (Use of) Reserves	<u>(107,048)</u>	Total Projected 2016 Costs (Needs/Uses)	6,974,656	Plus Growth Revenues	0	Less Interest Earnings	(20,219)	Less Other Revenue (<i>Late Fees, Rents, Hookups</i>)	(548,820)	
Purchased Water:	\$ 1,446,815																												
Salaries and Benefits	1,621,625																												
Administration and O&M	791,398																												
Taxes	346,000																												
Franchise Fees	363,500																												
Debt Service	866,145																												
Capital Transfer	1,300,000																												
CIC Transfer	251,221																												
Vehicle Replacement Contribution	95,000																												
Additions to (Use of) Reserves	<u>(107,048)</u>																												
Total Projected 2016 Costs (Needs/Uses)	6,974,656																												
Plus Growth Revenues	0																												
Less Interest Earnings	(20,219)																												
Less Other Revenue (<i>Late Fees, Rents, Hookups</i>)	(548,820)																												
Rate Revenues Required in 2016 (<i>Revenue Requirement</i>)	\$ 6,405,618																												
Less Projected Revenues at 2015 Existing Rates	(6,219,046)																												
Revenue Short Fall	\$ 186,572																												
% Rate Revenue Increase Needed in 2016	3.00%																												

	Summary of Service & Other Revenue				
	2016 - Budget				
	Base & Usage Revenue	CIC Revenue	ERU Revenue	Franchise Fee Revenue	Total Revenue
Base Revenue - 2016 stats at 2015 Rates					
SERVICE REVENUE					
SINGLE FAMILY	\$ 3,876,486	\$ 141,503	\$ 182,270	\$ 251,460	\$ 4,451,719
MULTI - FAMILY	722,160	49,675	63,929	47,627	883,392
TOTAL NON-RESIDENTIAL	-	-	-	-	-
<i>Commercial</i>	321,188	27,798	35,638	22,605	407,229
<i>Municipal</i>	50,386	15,475	19,946	4,901	90,707
<i>Wholesale</i>	151,962	8,897	11,468	10,392	182,718
TOTAL NON-RESIDENTIAL	523,536	52,170	67,051	37,898	680,655
IRRIGATION	115,516	556	-	11,617	127,689
FIRELINES	76,187	-	-	4,465	80,652
TOTAL SERVICE REVENUE	5,313,885	243,904	313,251	353,067	6,224,106
OTHER REVENUE	601,088				601,088
Total Base Revenue	\$ 5,914,973	\$ 243,904	\$ 313,251	\$ 353,067	\$ 6,825,195
Revenue Increase Needed					
SERVICE REVENUE					
SINGLE FAMILY	\$ 116,295	\$ 4,245	\$ 5,468	\$ 7,544	\$ 133,552
MULTI - FAMILY	21,665	1,490	1,918	1,429	26,502
NON-RESIDENTIAL					
<i>Commercial</i>	9,636	834	1,069	678	12,217
<i>Municipal</i>	1,512	464	598	147	2,721
<i>Wholesale</i>	4,559	267	344	312	5,482
TOTAL NON-RESIDENTIAL	15,706	1,565	2,012	1,137	20,420
IRRIGATION	3,465	17	-	349	3,831
FIRELINES	2,286	-	-	134	2,420
TOTAL SERVICE REVENUE	159,417	7,317	9,398	10,592	186,723
TOTAL OTHER REVENUE	(37,262)	-	-	-	(37,262)
Total Revenue Increase	\$ 122,155	\$ 7,317	\$ 9,398	\$ 10,592	\$ 149,462
Total Revenue - 2016					
SERVICE REVENUE					
SINGLE FAMILY	\$ 3,992,781	\$ 145,748	\$ 187,738	\$ 259,004	\$ 4,585,271
MULTI - FAMILY	743,825	51,166	65,847	49,056	909,894
NON-RESIDENTIAL					
<i>Commercial</i>	330,824	28,632	36,707	23,284	419,446
<i>Municipal</i>	51,898	15,939	20,544	5,048	93,428
<i>Wholesale</i>	156,521	9,164	11,812	10,703	188,200
TOTAL NON-RESIDENTIAL	539,242	53,735	69,063	39,035	701,074
IRRIGATION	118,981	573	-	11,965	131,519
FIRELINES	78,473	-	-	4,599	83,072
TOTAL SERVICE REVENUE	5,473,301	251,221	322,648	363,659	6,410,830
TOTAL OTHER REVENUE	563,826				563,826
Total Revenue - 2016	\$ 6,037,128	\$ 251,221	\$ 322,648	\$ 363,659	\$ 6,974,656



Rates

North City WATER DISTRICT				2016 Water Rates & Charges					
2016 - Budget									
Meter Size			Base Rate		Water Usage Charge			CIC & ERU	
Rate Code	Single Family Residential or Open Air Condominium <i>BI-MONTHLY</i>				Usage 0 to 10 CCF	Usage 11 to 24 CCF	Usage 25 and > CCF	CIC	ERU
158	5/8 / 3/4	\$	47.27		\$ 2.87	\$ 4.40	\$ 5.92	\$ 3.18	\$ 4.11
101	1"		90.51		2.87	4.40	5.92	\$ 3.18	\$ 4.11
115	1 ½"		159.66		2.87	4.40	5.92	\$ 3.18	\$ 4.11
102	2"		249.38		2.87	4.40	5.92	\$ 3.18	\$ 4.11
Rate Code	1" Flow-Through Residential Meters (domestic and fire protection) <i>Billed Bi-Monthly</i>				Usage 0 to 10 CCF	Usage 11 to 24 CCF	Usage 25 > CCF		
159	1"	\$	47.27		\$ 2.87	\$ 4.40	\$ 5.92		
Rate Code	Multifamily Residential <i>BI-MONTHLY</i>				Usage Threshold	Water Use Charge		CIC per Dwelling	ERU per Dwelling
558	5/8 / 3/4	\$	47.27		0 and > CCF	\$ 3.51		\$ 3.18	\$ 4.11
501/521	1"		90.51		0 and > CCF	3.51		\$ 3.18	\$ 4.11
515/525	1 ½"		159.66		0 and > CCF	3.51		\$ 3.18	\$ 4.11
502/522	2"		249.38		0 and > CCF	3.51		\$ 3.18	\$ 4.11
503/523	3"		544.91		0 and > CCF	3.51		\$ 3.18	\$ 4.11
Rate Code	Number of Dwellings	Multifamily Residential <i>BI-MONTHLY/MONTHLY</i>			Usage Threshold	Water Use Charge		CIC per dwelling	ERU per dwelling
504/524	4"		810.85	405.43	0 and > CCF	\$ 3.51		\$ 3.18	\$ 4.11
506/526	6"		1,535.03	767.52	0 and > CCF	3.51		\$ 3.18	\$ 4.11
Rate Code	Non Residential - Commercial <i>BI-MONTHLY</i>				Usage Threshold	Water Use Charge		CIC per dwelling	ERU per dwelling
458	5/8 / 3/4	\$	47.27		0 and > CCF	\$ 4.16		\$ 3.18	\$ 4.11
401	1"		90.51		0 and > CCF	4.16		\$ 3.18	\$ 4.11
415	1 ½"		159.66		0 and > CCF	4.16		\$ 3.18	\$ 4.11
402	2"		249.38		0 and > CCF	4.16		\$ 3.18	\$ 4.11
403	3"		544.91		0 and > CCF	4.16		\$ 3.18	\$ 4.11
404	4"		810.85		0 and > CCF	4.16		\$ 3.18	\$ 4.11
406	6"		1,535.03		0 and > CCF	4.16		\$ 3.18	\$ 4.11
408	8"		2,399.69		0 and > CCF	4.16		\$ 3.18	\$ 4.11
Rate Code	Non Residential - Municipal <i>BI-MONTHLY/MONTHLY</i>				Usage Threshold	Water Use Charge		CIC per dwelling	ERU per dwelling
118	5/8 / 3/4		47.27	\$ 23.64	0 and > CCF	\$ 4.16		\$ 3.18	\$ 4.11
111	1"		90.51	45.26	0 and > CCF	4.16		\$ 3.18	\$ 4.11
119	1 ½"		159.66	79.83	0 and > CCF	4.16		\$ 3.18	\$ 4.11
112	2"		249.38	124.69	0 and > CCF	4.16		\$ 3.18	\$ 4.11
113	3"		544.91	272.46	0 and > CCF	4.16		\$ 3.18	\$ 4.11
114	4"		810.85	405.43	0 and > CCF	4.16		\$ 3.18	\$ 4.11
Rate Code	Non Residential - Wholesale <i>BI-MONTHLY/MONTHLY</i>				Usage Threshold	Water Use Charge		Rate Code	CIC per dwelling ERU per dwelling
626	6"	\$	1,535.03	767.52	0 and > CCF	4.16	606	\$ 3.18	\$ 4.11
628	8"	\$	2,399.69	1,199.85	0 and > CCF	4.16	608	\$ 3.18	\$ 4.11
Rate Code	LIFE SAVING MEDICAL TREATMENT 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	\$	47.27		\$ 2.87	\$ 4.40	\$ 5.92	\$ 3.18	\$ 4.11
301	1"		90.51		2.87	4.40	5.92	\$ 3.18	\$ 4.11
315	1 ½"		159.66		2.87	4.40	5.92	\$ 3.18	\$ 4.11
302	2"		249.38		2.87	4.40	5.92	\$ 3.18	\$ 4.11
Rate Code	Fire Sprinkler Service <i>BI-MONTHLY/MONTHLY</i>								
F10	1.0"	\$	25.70	\$ 12.85					
F15	1.5"		30.06	15.03					
F20	2"		42.02	21.01					
F30	3"		130.18	65.09					
F40	4"		162.84	81.42					
F60	6"		239.02	119.51					
F80	8"		326.10	163.05					
Rate Code	Irrigation <i>BI-MONTHLY/MONTHLY</i>				Usage Threshold	Water Use Charge		CIC per dwelling	ERU per dwelling
258/258	5/8 / 3/4	\$	66.16	\$ 33.08	0 and > CCF	\$ 5.92		\$ 3.18	\$ 4.11
211/211	1"		137.78	68.89	0 and > CCF	5.92		\$ 3.18	\$ 4.11
215/215	1 ½"		254.18	127.09	0 and > CCF	5.92		\$ 3.18	\$ 4.11
202/202	2"		400.62	200.31	0 and > CCF	5.92		\$ 3.18	\$ 4.11
203/203	3"		847.40	423.70	0 and > CCF	5.92		\$ 3.18	\$ 4.11
204/204	4"		1,283.46	641.73	0 and > CCF	5.92		\$ 3.18	\$ 4.11
206/206	6"		2,480.26	1,240.13	0 and > CCF	5.92		\$ 3.18	\$ 4.11
208/208	8"		3,912.08	1,956.04	0 and > CCF	5.92		\$ 3.18	\$ 4.11
There is a 6% City Franchise Fee added to the customers total billing.									



Bi-Monthly Bill Comparisons

2016 - Budget

DISTRICT/CITY	Winter Usage - 10 CCF			Summer Usage - 16 CCF			Annualized
	Base Rate	Usage	Total	Base Rate	Usage	Total	Total
2015							
WD 119	\$ 78.00	\$ 23.90	\$ 101.90	\$ 78.00	\$ 50.18	\$ 128.18	\$ 110.66
Seattle Public Utilities-Shoreline & LFP	\$ 33.40	\$ 59.80	\$ 93.20	\$ 33.40	\$ 105.44	\$ 138.84	\$ 108.41
Lake Forest Park Water District	\$ 59.56	\$ 33.70	\$ 93.26	\$ 59.56	\$ 53.92	\$ 113.48	\$ 100.00
City of Duvall	\$ 50.54	\$ 39.76	\$ 90.30	\$ 50.54	\$ 68.80	\$ 119.34	\$ 99.98
North City Water District	\$ 56.15	\$ 29.60	\$ 85.75	\$ 56.15	\$ 56.78	\$ 112.93	\$ 94.81
WD 90	\$ 52.02	\$ 29.90	\$ 81.92	\$ 52.02	\$ 68.19	\$ 120.21	\$ 94.68
Seattle Public Utilities-inside Seattle	\$ 27.50	\$ 49.90	\$ 77.40	\$ 27.50	\$ 89.34	\$ 116.84	\$ 90.55
City of Bellevue	\$ 45.12	\$ 35.50	\$ 80.62	\$ 45.12	\$ 61.50	\$ 106.62	\$ 89.29
City of Kirkland	\$ 43.20	\$ 30.96	\$ 74.16	\$ 43.20	\$ 62.16	\$ 105.36	\$ 84.56
Coal Creek	\$ 41.38	\$ 34.10	\$ 75.48	\$ 41.38	\$ 60.68	\$ 102.06	\$ 84.34
Skyway Water & Sewer District	\$ 34.22	\$ 40.00	\$ 74.22	\$ 34.22	\$ 68.80	\$ 103.02	\$ 83.82
Woodinville Water District	\$ 40.00	\$ 28.14	\$ 68.14	\$ 40.00	\$ 70.32	\$ 110.32	\$ 82.20
Sammamish Plateau	\$ 51.78	\$ 17.60	\$ 69.38	\$ 51.78	\$ 29.52	\$ 81.30	\$ 73.35
Northshore Utility District	\$ 32.26	\$ 34.90	\$ 67.16	\$ 32.26	\$ 62.32	\$ 94.58	\$ 76.30
Highline Water District	\$ 28.80	\$ 35.50	\$ 64.30	\$ 28.80	\$ 60.70	\$ 89.50	\$ 72.70
Mercer Island	\$ 27.80	\$ 33.10	\$ 60.90	\$ 27.80	\$ 66.58	\$ 94.38	\$ 72.06
Renton	\$ 35.20	\$ 25.40	\$ 60.60	\$ 35.20	\$ 45.86	\$ 81.06	\$ 67.42
Olympic View Water & Sewer District	\$ 36.44	\$ 21.60	\$ 58.04	\$ 36.44	\$ 38.56	\$ 75.00	\$ 63.69
Bothell	\$ 26.90	\$ 26.50	\$ 53.40	\$ 26.90	\$ 49.72	\$ 76.62	\$ 61.14
Alderwood WWD	\$ 29.90	\$ 24.00	\$ 53.90	\$ 29.90	\$ 29.80	\$ 59.70	\$ 55.83
2016							
Seattle Public Utilities-Shoreline & LFP	\$ 34.30	\$ 61.40	\$ 95.70	\$ 34.30	\$ 109.90	\$ 144.20	\$ 111.87
North City Water District	\$ 57.83	\$ 30.49	\$ 88.32	\$ 57.83	\$ 58.48	\$ 116.31	\$ 97.65
City of Bellevue	\$ 47.47	\$ 37.35	\$ 84.81	\$ 47.47	\$ 64.70	\$ 112.16	\$ 93.93
Seattle Public Utilities-Inside Seattle	\$ 28.30	\$ 50.60	\$ 78.90	\$ 28.30	\$ 90.58	\$ 118.88	\$ 92.23
City of Kirkland	\$ 44.63	\$ 31.98	\$ 76.61	\$ 44.63	\$ 64.21	\$ 108.84	\$ 87.35
Woodinville Water District	\$ 41.00	\$ 28.44	\$ 69.44	\$ 41.00	\$ 70.92	\$ 111.92	\$ 83.60

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

	2015 Bi-Monthly Bill		2016 Bi-Monthly Bill	
	10 CCF	16 CCF	10 CCF	16 CCF
Base Charge				
Base Rate 5/8"	\$ 45.89	\$ 45.89	\$ 47.27	\$ 47.27
Fire Protection per 1 ERU	\$ 3.99	\$ 3.99	\$ 4.11	\$ 4.11
Capital Improvement Charge PER ERU	\$ 3.09	\$ 3.09	\$ 3.18	\$ 3.18
Franchise Fee (6% FF)	\$ 3.18	\$ 3.18	\$ 3.27	\$ 3.27
Total Base Charge	\$ 56.15	\$ 56.15	\$ 57.83	\$ 57.83
Consumption Charge (including 6% FF)	\$ 29.60	\$ 56.78	\$ 30.49	\$ 58.48
Total Bi-Monthly Beill	\$ 85.75	\$ 112.93	\$ 88.32	\$ 116.31
Consumption Rates	2015	2015 w FF	2016	2015 w FF
Block 1 = 0-10 ccf	\$ 2.79	\$ 2.96	\$ 2.87	\$ 3.05
Block 2 = 11- 24 ccf	\$ 4.27	\$ 4.53	\$ 4.40	\$ 4.66
Block 3 = over 25 ccf	\$ 5.75	\$ 6.10	\$ 5.92	\$ 6.28



Forecasts

	Cash Flow Forecast						
OPERATING ACCOUNT	2015	2016	2017	2018	2019	2020	2015-2020
<u>Sources:</u>							
BEGINNING BALANCE	\$ 1,147,796	\$ 1,347,929	\$ 1,240,881	\$ 1,257,899	\$ 1,255,440	\$ 1,266,700	\$ 1,147,796
Rate Revenue Increase	3.0%	3.00%	3.00%	4.70%	4.70%	4.70%	
Cumulative Rate Increase	3.0%	6.1%	9.3%	14.4%	19.8%	25.4%	
REVENUE							
Net Interest Earnings	26,970	20,219	24,818	31,447	37,663	44,335	185,452
Total Service Revenues	6,516,435	6,546,490	6,722,525	7,035,152	7,366,064	7,712,528	41,899,194
Total Other Revenues	442,409	407,947	395,867	412,202	429,225	446,967	2,534,617
TOTAL REVENUE	6,985,814	6,974,656	7,143,210	7,478,801	7,832,952	8,203,830	44,619,263
Total Sources	\$ 8,133,610	\$ 8,322,585	\$ 8,384,091	\$ 8,736,700	\$ 9,088,392	\$ 9,470,530	\$ 45,767,059
<u>Uses:</u>							
OPERATING COSTS							
Total Admin/Planning/Cust Service/Taxes	\$ 2,042,163	\$ 2,107,790	\$ 2,160,958	\$ 2,263,489	\$ 2,333,565	\$ 2,446,721	13,354,684
SPU Rate Increase	-7% SPU Inc	0% SPU Inc	0% SPU Inc	20% SPU Inc	0% SPU Inc	0% SPU Inc	
Water Purchases	1,490,236	1,446,815	1,446,815	1,736,178	1,736,178	1,736,178	9,592,400
All Other O&M costs	1,018,637	1,014,733	1,060,104	1,107,217	1,156,139	1,206,942	6,563,772
TOTAL OPERATING COSTS	4,551,036	4,569,338	4,667,876	5,106,883	5,225,882	5,389,840	29,510,856
CAPITAL COSTS							
Transfer CIC Revenues to Capital	243,904	251,221	258,757	270,919	283,652	296,984	1,605,436
Transfer to Vehicle Replacement Account	122,000	95,000	100,000	105,000	110,000	116,000	648,000
Transfer to Capital in Lieu of Depreciation	1,200,000	1,300,000	700,000	600,000	800,000	1,200,000	5,800,000
Total Debt Service (Net of Capitalization)	668,742	866,145	1,399,558	1,398,458	1,402,158	1,204,108	6,939,169
TOTAL CAPITAL COSTS	2,234,645	2,512,366	2,458,316	2,374,377	2,595,810	2,817,091	14,992,605
Total Uses	\$ 6,785,681	\$ 7,081,704	\$ 7,126,192	\$ 7,481,260	\$ 7,821,692	\$ 8,206,932	\$ 44,503,460
ENDING BALANCE - OPERATING ACCOUNT	\$ 1,347,929	\$ 1,240,881	\$ 1,257,899	\$ 1,255,440	\$ 1,266,700	\$ 1,263,599	\$ 1,263,599
CAPITAL ACCOUNT	2015	2016	2017	2018	2019	2020	2015-2020
<u>Sources:</u>							
BEGINNING BALANCE	\$ 2,620,955	\$ 1,907,153	\$ 1,565,777	\$ 6,045,773	\$ 1,725,215	\$ 3,363,303	\$ 2,620,955
Transfer CIC Revenues from Operations	243,904	251,221	258,757	270,919	283,652	296,984	1,605,436
Transfer from Operations in Lieu of Depreciation	1,200,000	1,300,000	700,000	600,000	800,000	1,200,000	5,800,000
New Bond Proceeds	-	-	6,000,000				6,000,000
Total Other Sources of Funds	66,458	2,895,184	58,426	82,534	1,059,284	68,099	4,229,984
Total Sources	\$ 4,131,316	\$ 6,353,558	\$ 8,582,960	\$ 6,999,226	\$ 3,868,151	\$ 4,928,386	\$ 20,256,375
Total Uses	\$ 2,224,163	\$ 4,787,781	\$ 2,537,187	\$ 5,274,010	\$ 504,848	\$ 906,130	\$ 16,234,119
ENDING BALANCE - CAPITAL ACCOUNT	\$ 1,907,153	\$ 1,565,777	\$ 6,045,773	\$ 1,725,215	\$ 3,363,303	\$ 4,022,255	\$ 4,022,255
VEHICLE REPLACEMENT ACCOUNT	2015	2016	2017	2018	2019	2020	2015-2020
END BAL - VEHICLE REPLACEMENT ACCOUNT	\$ 114,017	\$ 192,017	\$ 176,750	\$ 262,711	\$ 352,910	\$ 346,735	\$ 346,735
PRESERVATION ACCOUNT	2015	2016	2017	2018	2019	2020	2015-2020
ENDING BALANCE - PRESERVATION ACCOUNT	\$ 42,500	\$ 93,180	\$ 144,671	\$ 196,986	\$ 250,137	\$ 304,140	\$ 304,140
BOND FUND	2015	2016	2017	2018	2019	2020	2015-2020
ENDING BALANCE - BOND FUND	\$ 772,148	\$ 772,148	\$ 1,301,361	\$ 1,301,361	\$ 1,301,361	\$ 1,301,361	\$ 1,301,361
Ending Bal - All District Cash	\$ 4,183,747	\$ 3,864,003	\$ 8,926,454	\$ 4,741,713	\$ 6,534,412	\$ 7,238,089	\$ 7,238,089

