West Des Moines Water Works

WEST DES MOINES WATER WORKS
BOARD OF TRUSTEES MEETING COMMUNICATION

ITEM: **DATE:** October 21, 2019

5. Recommendations from Committees
   a. Finance and Audit
      1. Report – Receive and Place on File for Preliminary Discussion the Draft Budget for 2020

SUMMARY:

Enclosed is the preliminary draft of the 2020 Budget. A special Board meeting will be held on Monday, November 4, 2019 to review this draft budget in detail and make final adjustments as necessary. This will begin discussions and conform to the schedule, as previously adopted, allowing for approval of the final 2020 Budget at the December 9, 2019 special Board meeting.

BACKGROUND:

The recommended Budget for Calendar Year 2020 will be approved at the November 18, 2019 Board meeting. The public hearing will be set to occur on Monday, December 9, 2019 at 4:00 p.m. The notice of the public hearing will be published no more than 20 days and no less than 10 days before the public hearing. The published notice will include a budget summary.

RECOMMENDED ACTION BY THE BOARD OF TRUSTEES:

That the board Receive and Place on File for Preliminary Discussion the Draft Budget for 2020.

Prepared by: Pat Mullenbach

Approved for Content by: [signature]

WEST DES MOINES WATER WORKS MEMORANDUM

West Des Moines
Water Works

TO: Board of Trustees

FROM: Christina Murphy, General Manager, WDMWW CAM

DATE: October 21, 2019

RE: 2020 Budget Highlights

Staff are pleased to present the Draft 2020 Operating and Capital Budget for your review and consideration. This is the first year the new General Manager and new Finance Manager have put together a budget for your review. During this process, input from all departments was sought and detailed breakdowns in both the operating and capital budgets were reviewed before entering the budget.

Highlights from revenue projections are that current metered sales do not include any projected revenue from a rate increase and will be adjusted once that determination has been made. The metered sales look at a rolling five-year average to help moderate fluctuations due to the weather. The basic service charge currently shows a 2% increase in the number of meters in our system but it does not reflect any increase in the rate unless the board directs an increase in this charge. Bulk Water rates and projections were not increased in 2019 and staff plan to adjust those rates accordingly in 2020.

Highlights from the operating budgets include the following:

- Engineering Department now has its own budget separate from Water Distribution. This was done to help supervisors understand and have more ownership of account numbers that had previously been shared. We can better track overtime, main break, and tapping supplies costs by doing so. This information will help us budget more accurately in the future.
- An additional $77,000 was budgeted to cover studies for the Jordan Aquifer Study, the federal-mandated security assessment, and assistance with a performance-based pay study.
- Staff have also budgeted for new phones and internet independent from the City. The City has indicated their desire for us to be separate at this point and the cost of doing so is comparable to what we have currently been paying the City.
- Our current budget reflects an anticipated 8% increase in rates from Des Moines Water Works for Purchased Capacity Water. The DMWW is now discussing a possible 10% rate increase. The budget will be adjusted once the final decision on the rate increase is approved by the DMWW board.
- We will incur a modest 2% increase in electricity needs to cover the new booster stations coming online and the new administration building.
- While staff expect lime hauling costs to remain consistent, we do show a 6% increase in lime which is by far our most expensive treatment chemical.
- One new cost shown is the payment of 50% of the fees collected for Racoon River Fee District. This will vary year to year and is high for the 2020 budget due to fees collected from Microsoft ($408,257).
- There are a few cost increases due to the new Administration Building for grounds maintenance ($10,000) and cleaning ($18,800).
- There is a decrease in insurance premiums even with the inclusion of the new administration building.

Highlights from the first year of the Capital Outlay are as follows:

- Staff show replacement of a service truck and plant truck with plow. Staff are working towards replacing vehicles at least every 10 years and possibly after a shorter time for higher mileage vehicles that require significant repair costs.
- A new project in the Capital Outlay includes a facility assessment for A.C. Ward ($100,000). This will help us adequately plan for necessary improvements over the next 5 to 10 years and possibly longer.
- A study to evaluate the addition of Variable Frequency Drives (VFD) to our High Service Pumps. VFDs can help save on electricity costs. The outcome of the study will dictate the plan to move forward with installation of the equipment.
- A project to paint one of the aerators which includes funds for structural rehabilitation work inside the aeration tank ($280,000).
- Equipment shown in the capital outlay include a mini excavator and trailer ($102,000) and a trailer mounted vac-unit ($55,000).
- One other significant project shown in the Capital Outlay is money to begin purchase of the land for a new water plant and new well field ($750,000). This project will be dependent on a decision by the board to move forward with a new west regional water plant.

REVENUE

	Actual Revenue 2017	Actual Revenue 2018	Accrual Basis Budget 2019	Anticipated Revenue 2019	Accrual Basis Budget 2020
WATER SALES	$ 13,215,099	$13,102,781	$ 12,968,650	$ 12,760,178	$ 13,339,641
WATER SUPPLY CONNECTION FEES	$ 668,558	$ 669,712	$ 510,000	$ 539,202	$ 540,000
CONNECTION FEE DISTRICT	$ 705,094	$ 496,813	$ 1,442,380	$ 1,578,203	$ 824,855
OTHER FEES	$ 430,526	$ 371,820	$ 368,115	$ 417,042	$ 397,600
MISC INCOME	$ 684,997	$ 1,323,317	$ 606,868	$ 742,330	$ 743,325
	$ 15,704,274	$15,964,443	$ 15,896,013	$ 16,036,955	$ 15,845,421

EXPENSES

	Actual Expense 2017	Actual Expense 2018	Accrual Basis Budget 2019	Anticipated Expense 2019	Accrual Basis Budget 2020
EMPLOYEE WAGES, TAXES & BENEFITS	$ 3,889,553	$ 3,981,685	$ 4,149,843	$ 3,910,022	$ 4,042,779
CONSULTING FEES-SAFETY, ACCOUNTING, LEGAL, ENGINEERING, DATA	$ 243,522	$ 431,206	$ 432,000	$ 460,067	$ 493,216
MAINTENANCE-EQUIPMENT, VEHICLES, BLDGS, GENERATORS, GROUNDS	$ 375,036	$ 628,536	$ 650,200	$ 586,529	$ 643,754
DISTRIBUTION SYSTEM	$ 96,708	$ 233,609	$ 180,000	$ 146,284	$ 160,950
PURCHASED WATER	$ 1,871,389	$ 1,748,630	$ 2,014,900	$ 1,626,183	$ 1,756,577
WATER TREATMENT	$ 653,339	$ 653,847	$ 772,900	$ 639,767	$ 807,200
MISC EXPENSES	$ 4,185,522	$ 4,360,540	$ 4,405,934	$ 4,072,393	$ 4,707,212
DEBT SERVICE	$ 355,940	$ 334,362	$ 309,277	$ 300,014	$ 258,340
	$ 11,671,009	$12,372,415	$ 12,915,054	$11,884,384	$12,870,028

REVENUE					August	Revenue
Account	**Source of Revenue**	**Actual Revenue 2017**	**Actual Revenue 2018**	**Accrual Basis Budget 2019**	**Anticipated Revenue 2019**	**Accrual Basis Budget 2020**
14000-011	Metered Water Sales	$ 11,881,800	$ 11,728,560	$ 11,610,000	$ 11,363,361	$ 11,892,749
14050-011	Basic Service Charge	$ 1,308,964	$ 1,337,630	$ 1,340,000	$ 1,360,458	$ 1,409,892
14100-011	Bulk Water Sales	$ 24,335	$ 36,591	$ 18,650	$ 36,359	$ 37,000
14150-011	Material Sales to Others	$ 195,223	$ 104,382	$ 76,000	$ 123,671	$ 125,000
14200-011	Water Supply Connection Fees	$ 668,558	$ 669,712	$ 510,000	$ 539,202	$ 540,000
14230-011	Connection Fees - South Area Water Connection Fee District	$ 4,878	$ 212,253	$ 342,000	$ 93,018	$ 358,000
14231-011	SW Area Water Connection Fee District	$ 651,825	$ 235,922	$ 223,000	$ 622,534	$ 224,000
14232-011	Pheasant Ridge Capital Fees	$ 48,391	$ 48,638	$ 46,380	$ 46,137	$ 46,855
14234-011	Raccoon River Area Water Connection Fee District	$ -	$ -	$ 831,000	$ 816,514	$ 196,000
14300-011	Construction Inspection Fees	$ 64,348	$ 45,002	$ 39,000	$ 65,291	$ 65,000
14400-011	Labor	$ 75,723	$ 47,087	$ 40,720	$ 63,994	$ 45,000
14550-011	Laboratory Testing Fees	$ 4,405	$ 4,795	$ 4,930	$ 7,065	$ 7,100
14600-011	Miscellaneous	$ 14,048	$ 36,685	$ 18,400	$ 30,000	$ 30,000
14700-011	Rental Income	$ 223,866	$ 200,251	$ 192,000	$ 210,414	$ 212,000
14800-011	Interest on Investments	$ 104,273	$ 211,815	$ 180,000	$ 285,152	$ 285,000
14900-011	Sanitary Sewer Service Collection Fees	$ 54,260	$ 54,881	$ 55,045	$ 55,666	$ 55,500
14910-011	Stormwater Management Collection Fees	$ 75,084	$ 76,146	$ 76,710	$ 77,114	$ 77,000
14950-011	Solid Waste Service Collection Fees	$ 49,214	$ 49,835	$ 51,880	$ 50,344	$ 50,000
15000-011	Late Payment Charges	$ 35,321	$ 39,049	$ 33,330	$ 27,857	$ 28,000
15100-011	Non-Payment Penalties	$ 72,171	$ 55,025	$ 66,500	$ 69,711	$ 70,000
15110-011	Shared Water Tower - Unearned Revenue Recognized	$ 40,468	$ 40,468	$ 40,468	$ 40,468	$ 40,500
15350-011	Special Assessment Payments - 60th Street Assessments	$ 13,124	$ 3,933	$ -	$ 77	$ -
15400-011	Gain on Sale of Fixed Assets	$ 24,901	$ 682,485	$ -	$ 12,858	$ 15,000
15500-011	Developer Contributed Water Mains			$ 100,000	$ -	$ -
15600-011	Bond Premium Amortization	$ 69,094	$ 43,298	$ 0	$ 39,690	$ 35,825
TOTAL REVENUE		**$ 15,704,274**	**$ 15,964,443**	**$ 15,896,013**	**$ 16,036,955**	**$ 15,845,421**

O P E R A T I N G   E X P E N S E S

Summary of All Departments — Operating Expenses

Account	Object of Expense	Actual Expense 2017	Actual Expense 2018	Accrual Basis Budget 2019	Anticipated Expense 2019	Accrual Basis Budget 2020
Payroll and Employee Benefits						
16000	Salaries, Wages and Trustees' Compensation	$ 2,717,301	$ 2,791,814	$ 2,861,216	$ 2,735,550	$ 2,853,865
16050	Temporary Help	$ 16,179	$ 20,347	$ 0	$ 53,000	$ 0
16100	Overtime	$ 125,711	$ 107,709	$ 125,500	$ 122,752	$ 122,906
16150	Employee Fitness Incentive Program	$ 6,470	$ 5,735	$ 6,500	$ 4,795	$ 6,500
16200	Water Works' Share - FICA	$ 234,002	$ 240,202	$ 227,159	$ 218,660	$ 228,220
16330	Other Postemployment Benefits Expense	$ 14,523	$ 7,941	$ 44,000	$ 0	$ 44,000
16340	GASB 68 Pension Expense- excess over IPERS employer contributions	$ 309,234	$ 304,199	$ 100,000	$ 310,000	$ 310,000
16350	Water Works' Share - Deferred Compensation	$ 12,720	$ 28,500	$ 29,900	$ 25,400	$ 26,000
16400	Group Health and Life Insurance	$ 455,319	$ 446,193	$ 453,000	$ 411,343	$ 419,278
16500	Allowances	$ 14,806	$ 20,368	$ 17,020	$ 20,461	$ 21,450
	Mileage	$ 0	$ 0	$ 0	$ 650	$ 1,560
16560	Employee Recognition Program	$ 8,013	$ 8,809	$ 15,000	$ 7,411	$ 9,000
Commodities and Services						
16600	Economic Development Contribution	$ 50,000	$ 0	$ 50,000	$ 50,000	$ 50,000
16800	Advertising and Legal Publications	$ 33,275	$ 33,192	$ 41,745	$ 32,228	$ 34,000
16850	Cost of Materials Sold	$ 123,795	$ 71,916	$ 60,000	$ 57,700	$ 60,000
16900	Collection Expense	$ 32	$ 1,325	$ 1,600	$ 2,163	$ 2,200
17000	Consulting Fees - IDNR and Water Quality Testing	$ 6,182	$ 13,278	$ 17,500	$ 19,389	$ 17,500
17040	Consulting Fees - Safety	$ 50	$ 2,550	$ 7,500	$ 3,750	$ 7,500
17050	Consulting Fees - Engineering, Accounting and Legal	$ 155,921	$ 324,328	$ 255,000	$ 342,052	$ 327,000
17070	Data Processing - Maintenance and Consulting Fees	$ 81,369	$ 91,050	$ 152,000	$ 94,876	$ 141,216
17100	Dues and Memberships	$ 13,747	$ 5,342	$ 14,000	$ 5,350	$ 6,000
17120	IDNR Operation Permit	$ 7,308	$ 7,298	$ 7,800	$ 7,800	$ 7,800
17200	Property and Other Insurance	$ 142,854	$ 153,515	$ 162,945	$ 131,753	$ 114,250
17300	Postage and Shipping	$ 84,283	$ 83,347	$ 85,800	$ 84,951	$ 85,500
17400	Printing	$ 43,020	$ 41,922	$ 44,000	$ 45,221	$ 41,000
17500	Maintenance - Buildings and Structures	$ 131,102	$ 359,988	$ 311,000	$ 250,295	$ 321,304
17600	Maintenance -Equipment	$ 180,532	$ 215,104	$ 242,500	$ 263,244	$ 207,200
New Acct	Maintenance-Generators	$ 0	$ 0	$ 0	$ 0	$ 38,000
New Acct	Maintenance-Vehicles	$ 0	$ 0	$ 5,700	$ 19,000	$ 25,500
New Acct	Locator Supplies	$ 0	$ 0	$ 0	$ 0	$ 3,900

17700	Maintenance - Water Distribution System	$ 96,708	$ 233,609	$ 180,000	$ 146,284	$ 64,000
New Acct	Maintenance-Meter Valve Replacements	$ 0	$ 0	$ 0		$ 15,000
New Acct	Tapping Supplies	$ 0	$ 0	$ 0	$ 0	$ 78,050
17800	Communication	$ 22,320	$ 18,394	$ 22,710	$ 29,969	$ 34,734
17900	Continuing Education and Travel	$ 11,351	$ 7,160	$ 18,840	$ 4,911	$ 23,795
18000	Electricity	$ 547,964	$ 572,081	$ 633,625	$ 509,125	$ 525,020
18100	Natural Gas	$ 6,247	$ 8,980	$ 10,415	$ 9,924	$ 10,550
New Acct	Stormwater Fees-Cit of WDM	$ 0	$ 0	$ 0	$ 0	$ 4,000
18300	Bad Debts	$ 1,627	$ 5,099	$ 5,700	$ 3,000	$ 3,000
18800	Depreciation	$ 2,980,150	$ 3,203,663	$ 3,102,110	$ 3,098,298	$ 3,145,606
19500	Maintenance - Grounds	$ 63,402	$ 53,444	$ 91,000	$ 53,990	$ 51,750
19600-10; 19630; 19650-70	Purchased Water- purchased capacity rate ($2.12/1000), based on 2018 usage	$ 1,871,389	$ 1,748,630	$ 2,014,900	$ 1,623,683	$ 1,753,577
19640	Purchased Water- Grand & Glen Oaks	$ 0	$ 0	$ 0	$ 2,500	$ 3,000
19700	Minor Equipment	$ 13,137	$ 18,030	$ 17,750	$ 19,443	$ 21,200
19800	Miscellaneous Commodities	$ 16,391	$ 32,445	$ 6,600	$ 3,358	$ 4,000
19850	Water Works' Share - Iowa One Call System	$ 9,825	$ 12,286	$ 11,000	$ 13,200	$ 14,000
19900	Vehicles and Equipment - Fuel	$ 28,660	$ 36,662	$ 35,000	$ 52,249	$ 52,300
19950	Lock Box Charges	$ 43,622	$ 42,147	$ 52,000	$ 48,125	$ 50,000
21000	Office Supplies	$ 0	$ 35	$ 7,010	$ 5,574	$ 10,000
New Acct	Raccoon River Reimb to City of WDM		$ 0	$ 0	$ 0	$ 408,257
Water Treatment Chemicals and Laboratory Supplies						
20150	Lime Residuals Removal (Lagoons)	$ 19,043	$ 0	$ 50,000	$ 0	$ 50,000
20160	Lime Residuals Hauling (Press)	$ 159,665	$ 138,693	$ 183,100	$ 145,535	$ 183,100
20200	Lime	$ 290,868	$ 312,405	$ 324,800	$ 293,128	$ 344,300
20300	Soda Ash	$ 33,927	$ 34,508	$ 30,600	$ 35,657	$ 36,225
20400	Coagulant	$ 11,327	$ 6,313	$ 9,300	$ 13,200	$ 13,200
20500	Carbon Dioxide	$ 32,574	$ 33,526	$ 33,500	$ 32,506	$ 35,175
20550	Salt	$ 6,880	$ 13,102	$ 15,000	$ 10,362	$ 15,000
20600	Other Chemicals	$ 16,690	$ 12,515	$ 15,300	$ 12,490	$ 15,300
20750	Sodium Hypo-Chlorite	$ 61,871	$ 82,967	$ 94,900	$ 76,269	$ 94,900
20800	Laboratory Supplies	$ 20,494	$ 19,818	$ 16,400	$ 20,620	$ 20,000
Sub-totals - Operating Expenses		$ 11,309,155	$ 12,032,352	$ 12,590,493	$ 11,583,193	$ 12,611,688
Debt Service - Interest						
22086	2012 DMWW Refunding Bonds - WDMWW Share - Treatment Plant capacity 2 MGD	$ 80,411	$ 61,982	$ 55,142	$ 55,142	$ 54,592
22098	2012 Water Revenue Bonds	$ 143,938	$ 143,188	$ 142,500	$ 142,500	$ 120,000
22099	2013 Water Revenue Bonds	$ 89,475	$ 68,000	$ 43,525	$ 43,526	$ 28,125
22081	2016 SRF Loan	42,116	61,192	68,110	58,846	55,623
	Sub totals - Interest	$ 355,940	$ 334,362	$ 309,277	$ 300,014	$ 258,340
Totals - Operating Expenses Plus Interest on Debt						
	Operating Expenses	$ 11,309,155	$ 12,032,352	$ 12,590,493	$ 11,583,193	$ 12,611,688
	Interest	$ 355,940	$ 334,362	$ 309,277	$ 300,014	$ 258,340
Totals - Operating Expenses Plus Interest on Debt		$ 11,671,009	$ 12,372,415	$ 12,915,054	$ 11,884,384	$ 12,870,028
Operating Income Net of Interest on Debt		$ 4,033,265	$ 3,592,028	$ 2,980,959	$ 4,152,571	$ 2,975,393

Water Treatment Plant Operation and Maintenance						
Account	**Object of Expense**	**Actual Expense 2017**	**Actual Expense 2018**	**Accrual Basis Budget 2019**	**Anticipated Expense 2019**	**Accrual Basis Budget 2020**
Payroll and Employee Benefits						
16000-021	Salaries and Wages	$ 811,503	$ 839,245	$ 865,116	$ 879,032	$ 891,981
16100-021	Overtime	$ 62,788	$ 53,265	$ 58,185	$ 56,636	$ 56,636
16200-021	Water Works' Share - FICA	$ 62,988	$ 65,775	$ 70,633	$ 71,579	$ 72,569
16350-021	Water Works' Share - Deferred Compensation	$ 2,000	$ 5,200	$ 5,200	$ 5,200	$ 5,200
16400-021	Group Health and Life Insurance	$ 143,772	$ 142,360	$ 145,000	$ 136,913	$ 136,000
16500-021	Allowances	$ 4,285	$ 3,813	$ 4,000	$ 4,815	$ 4,200
New Acct	Mileage					$ 40
Commodities and Services						
17000-021	Consulting Fees - IDNR and Water Quality Testing	$ 6,182	$ 13,278	$ 17,500	$ 19,389	$ 17,500
17040-021	Consulting Fees - Safety	$ 50	$ 2,550	$ 7,500	$ 3,750	$ 1,875
17070-021	Data Processing - Maintenance and Consulting Fees	$ 13,205	$ 13,109	$ 22,000	$ 7,806	$ 15,770
17120-021	IDNR Operation Permit	$ 7,308	$ 7,298	$ 7,800	$ 7,800	$ 7,800
17200-021	Property and Other Insurance	$ 72,062	$ 65,591	$ 71,075	$ 63,067	$ 50,400
17500-021	Maintenance - Buildings and Structures	$ 85,579	$ 324,294	$ 260,000	$ 217,227	$ 262,500
17600-021	Maintenance -Equipment	$ 109,624	$ 141,054	$ 146,500	$ 181,418	$ 160,000
New Acct	Maintenance-Generators					$ 10,000
New Acct	Maintenance-Vehicles			$ 1,900	$ 2,000	$ 5,000
17800-021	Communication	$ 11,373	$ 9,833	$ 9,900	$ 10,049	$ 10,429
17900-021	Continuing Education and Travel	$ 2,800	$ 2,171	$ 3,840	$ 1,916	$ 3,500
18000-021	Electricity	$ 403,050	$ 359,157	$ 427,765	$ 332,796	$ 336,125
18100-021	Natural Gas	$ 5,643	$ 8,251	$ 9,550	$ 9,250	$ 9,350
New Acct	Stormwater Fees-Cit of WDM	$ 0	$ 0	$ 0	$ 0	$ 2,000
18800-021	Depreciation	$ 1,045,966	$ 1,209,249	$ 1,088,225	$ 1,088,220	$ 1,109,984
19500-021	Maintenance - Grounds	$ 3,978	$ 11,316	$ 35,000	$ 8,770	$ 4,500
19600-021	Purchased Water - (Elm Street, 88th & University, Westside O&M, 92 & University, 88th Street, Maffitt Lake Dr., Alluvion, Osmium)	$ 1,871,389	$ 1,748,630	$ 2,014,900	$ 1,623,683	$ 1,753,577
19640-021	Purchased Water - Grand & Glen Oaks	$ 0	$ 0	$ 0	$ 2,500	$ 3,000
19700-021	Minor Equipment	$ 2,679	$ 3,486	$ 3,200	$ 1,827	$ 3,200
19800-021	Miscellaneous Commodities	$ 484	$ 917	$ 1,000	$ 596	$ 1,000
19900-021	Vehicles and Equipment - Fuel	$ 1,887	$ 2,553	$ 3,000	$ 3,093	$ 3,100
Water Treatment Chemicals and Laboratory Supplies						
20150-021	Lime Residuals Removal (Lagoons)	$ 19,043	$ 0	$ 50,000	$ 0	$ 50,000
20160-021	Lime Residuals Hauling (Press)	$ 159,665	$ 138,693	$ 183,100	$ 145,535	$ 183,100
20200-021	Lime	$ 290,868	$ 312,405	$ 324,800	$ 293,128	$ 344,300

20300-021	Soda Ash	$ 33,927	$ 34,508	$ 30,600	$ 35,657	$ 36,225
20400-021	Coagulant	$ 11,327	$ 6,313	$ 9,300	$ 13,200	$ 13,200
20500-021	Carbon Dioxide	$ 32,574	$ 33,526	$ 33,500	$ 32,506	$ 35,175
20550-021	Salt	$ 6,880	$ 13,102	$ 15,000	$ 10,362	$ 15,000
20575-021	Sodium Hypo-Chlorite	$ 61,871	$ 82,967	$ 94,900	$ 76,269	$ 94,900
20600-021	Other Chemicals	$ 16,690	$ 12,515	$ 15,300	$ 12,490	$ 15,300
20800-021	Laboratory Supplies	$ 20,494	$ 19,818	$ 16,400	$ 20,620	$ 20,000
Water Treatment Department Totals		**$ 5,370,679**	**$ 5,688,057**	**$ 6,140,434**	**$ 5,380,893**	**$ 5,744,436**

Engineering						
Account	**Object of Expense**	**Actual Expense 2017**	**Actual Expense 2018**	**Accrual Basis Budget 2019**	**Anticipated Expense 2019**	**Accrual Basis Budget 2020**
Payroll and Employee Benefits						
16000-041	Salaries and Wages	$ 339,522	$ 346,533	$ 351,756	$ 341,472	$ 353,247
16100-041	Overtime	$ 14,979	$ 16,036	$ 18,000	$ 19,865	$ 20,000
16200-041	Water Works' Share - FICA	$ 27,119	$ 27,737	$ 28,286	$ 27,642	$ 28,553
16350-041	Water Works' Share - Deferred Compensation	$ 2,600	$ 2,600	$ 2,600	$ 2,600	$ 2,600
16400-041	Group Health and Life Insurance	$ 65,504	$ 66,918	$ 64,800	$ 60,000	$ 61,854
16500-041	Allowances					$ 3,000
	Mileage				$ 50	$ 200
Commodities and Services						
17040-041	Consulting Fees - Safety					$ 1,875
17070-041	Data Processing - Maintenance and Consulting Fees				$ 9,998	$ 31,056
17200-041	Property and Other Insurance	$ 12,440	$ 15,347	$ 15,980	$ 15,150	$ 15,750
17600-041	Maintenance - Equipment					$ 2,500
New Acct	Locator Supplies					$ 3,900
New Acct	Maintenance-Vehicles				$ 2,000	$ 3,000
17800-041	Communication				$ 8,225	$ 8,225
17900-041	Continuing Education and Travel					$ 3,895
18800-041	Depreciation	$ 11,000	$ 12,000	$ 13,000	$ 13,000	$ 15,000
19700-041	Minor Equipment				$ 3,000	$ 4,000
19850-051	Water Works' Share - Iowa One Call System	$ 9,825	$ 12,286	$ 11,000	$ 13,200	$ 14,000
19900-041	Vehicles and Equipment - Fuel				$ 4,200	$ 4,200
Engineering Department Totals		**482,989**	**499,457**	**505,422**	**520,452**	**576,855**

Water Distribution						Operating Expenses
Account	**Object of Expense**	**Actual Expense 2017**	**Actual Expense 2018**	**Accrual Basis Budget 2019**	**Anticipated Expense 2019**	**Accrual Basis Budget 2020**
Payroll and Employee Benefits						
16000-051	Salaries and Wages	$ 603,594	$ 616,060	$ 625,344	$ 600,677	$ 622,164
16100-051	Overtime	$ 26,629	$ 28,508	$ 32,000	$ 35,476	$ 36,000
16200-051	Water Works' Share - FICA	$ 72,190	$ 73,656	$ 50,287	$ 48,666	$ 50,350
16350-051	Water Works' Share - Deferred Compensation	$ 3,120	$ 7,800	$ 7,800	$ 5,200	$ 5,200
16400-051	Group Health and Life Insurance	$ 116,452	$ 118,966	$ 115,200	$ 106,000	$ 108,434
16500-051	Allowances	$ 5,233	$ 7,484	$ 7,500	$ 6,776	$ 7,500
Commodities and Services						
17040-051	Consulting Fees - Safety					$ 1,875
17070-051	Data Processing - Maintenance and Consulting Fees				$ 6,000	$ 14,520
17200-051	Property and Other Insurance	$ 33,622	$ 41,479	$ 43,190	$ 25,736	$ 25,000
17500-051	Maintenance - Buildings and Structures	$ 25,571	$ 18,293	$ 30,000	$ 33,068	$ 40,000
17600-051	Maintenance - Equipment	$ 61,983	$ 67,324	$ 81,000	$ 74,126	$ 37,000
New Acct	Maintenance - Generators					$ 28,000
New Acct	Maintenance-Vehicles			$ 1,900	$ 13,000	$ 15,000
17700-051	Maintenance - Water Distribution System	$ 96,708	$ 233,609	$ 180,000	$ 146,284	$ 64,000
New Acct	Tapping Supplies					$ 78,050
17800-051	Communication	$ 7,298	$ 5,232	$ 7,340	$ 8,185	$ 8,185
17900-051	Continuing Education and Travel	$ 5,348	$ 4,169	$ 4,000	$ 1,160	$ 3,500
18000-051	Electricity	$ 139,298	$ 206,980	$ 200,000	$ 176,329	$ 182,895
18100-051	Natural Gas	$ 571	$ 688	$ 815	$ 674	$ 700
New Acct	Stormwater Fees-Cit of WDM	$ 0	$ 0	$ 0	$ 0	$ 2,000
18800-051	Depreciation	$ 1,852,141	$ 1,924,760	$ 1,926,970	$ 1,927,080	$ 1,950,622
19500-051	Maintenance - Grounds	$ 29,712	$ 21,064	$ 28,000	$ 34,222	$ 37,250
19700-051	Minor Equipment	$ 7,713	$ 13,477	$ 12,000	$ 12,482	$ 12,000
19800-051	Miscellaneous Commodities	$ 71	$ 635	$ 100	$ 0	$ 500
19900-051	Vehicles and Equipment - Fuel	$ 18,795	$ 24,169	$ 19,000	$ 35,000	$ 35,000
Distribution Department Totals		**$ 3,104,387**	**$ 3,415,753**	**$ 3,470,504**	**$ 3,296,286**	**$ 3,365,745**

Customer Service and Finance						Operating Expenses
Account	**Object of Expense**	**Actual Expense 2017**	**Actual Expense 2018**	**Accrual Basis Budget 2019**	**Anticipated Expense 2019**	**Accrual Basis Budget 2020**
Payroll and Employee Benefits						
16000-081	Salaries and Wages	$ 821,647	$ 843,621	$ 867,700	$ 806,957	$ 836,608
16050-081	Temporary Help	$ 16,179	$ 20,347	$ 0	$ 53,000	$ 0
16100-081	Overtime	$ 21,315	$ 9,900	$ 17,315	$ 10,775	$ 10,270
16200-081	Water Works' Share - FICA	$ 61,070	$ 62,403	$ 66,379	$ 62,556	$ 64,786
16350-081	Water Works' Share - Deferred Compensation	$ 4,000	$ 10,300	$ 11,700	$ 10,400	$ 10,400
16400-081	Group Health and Life Insurance	$ 111,967	$ 99,730	$ 110,000	$ 97,610	$ 94,990
16500-081	Allowances	$ 2,448	$ 4,349	$ 3,520	$ 3,794	$ 3,750
New Acct	Mileage				$ 600	$ 600
Commodities and Services						
16850-081	Cost of Materials Sold	$ 123,795	$ 71,916	$ 60,000	$ 57,700	$ 60,000
16900-081	Collection Expense	$ 32	$ 1,325	$ 1,600	$ 2,163	$ 2,200
17040-051	Consulting Fees - Safety					$ 1,875
17070-081	Data Processing - Maintenance and Consulting Fees	$ 64,020	$ 66,936	$ 116,000	$ 64,472	$ 73,120
17200-081	Property and Other Insurance	$ 24,730	$ 31,098	$ 32,700	$ 27,800	$ 23,100
17300-081	Postage and Shipping	$ 83,650	$ 82,467	$ 85,000	$ 84,138	$ 85,000
17400-081	Printing	$ 43,020	$ 41,922	$ 44,000	$ 45,221	$ 41,000
17500-081	Maintenance - Building	$ 19,952	$ 17,401	$ 21,000	$ 0	$ 0
17600-081	Maintenance - Equipment	$ 8,925	$ 6,726	$ 15,000	$ 7,700	$ 7,700
New Acct	Maintenance-Vehicles			$ 1,900	$ 2,000	$ 2,500
New Acct	Maintenance-Meter Valve Replacements					$ 15,000
17800-081	Communication	$ 2,795	$ 2,293	$ 3,470	$ 2,574	$ 6,895
17900-081	Travel and Continuing Education	$ 2,762	$ 355	$ 7,500	$ 1,555	$ 7,500
18300-081	Bad Debts	$ 1,627	$ 5,099	$ 5,700	$ 3,000	$ 3,000
18800-081	Depreciation	$ 71,043	$ 57,654	$ 73,915	$ 69,998	$ 70,000
19700-081	Minor Equipment	$ 2,745	$ 1,067	$ 2,550	$ 2,134	$ 2,000
19800-081	Miscellaneous Commodities	$ 15,588	$ 20,493	$ 4,000	$ 1,144	$ 1,000
19900-081	Vehicles and Equipment - Fuel	$ 7,978	$ 9,940	$ 13,000	$ 9,956	$ 10,000
19950-081	Lock Box Charges	$ 43,622	$ 42,147	$ 52,000	$ 48,125	$ 50,000
Customer Service and Finance Dept Totals		**$ 1,587,011**	**$ 1,539,773**	**$ 1,734,404**	**$ 1,486,370**	**$ 1,483,294**

Administration						Operating Expenses
Account	**Object of Expense**	**Actual Expense 2017**	**Actual Expense 2018**	**Accrual Basis Budget 2019**	**Anticipated Expense 2019**	**Accrual Basis Budget 2020**
Payroll and Employee Benefits						
16000-091	Salaries and Trustees' Compensation	$ 141,035	$ 146,355	$ 151,300	$ 107,412	$ 149,865
16150-091	Employee Fitness Incentive Program	$ 6,470	$ 5,735	$ 6,500	$ 4,795	$ 6,500
16200-091	Water Works' Share - FICA	$ 10,635	$ 10,631	$ 11,574	$ 8,217	$ 11,962
16330-091	Other Post Employment Benefits Expense	$ 14,523	$ 7,941	$ 44,000	$ 0	$ 44,000
16340-091	GASB 68 Pension Expense- excess over IPERS employer contributions	$ 309,234	$ 304,199	$ 100,000	$ 310,000	$ 310,000
16350-091	Water Works' Share - Deferred Compensation	$ 1,000	$ 2,600	$ 2,600	$ 2,000	$ 2,600
16400-091	Group Health and Life Insurance	$ 17,624	$ 18,219	$ 18,000	$ 10,820	$ 18,000
16500-091	Allowances	$ 2,840	$ 4,722	$ 2,000	$ 5,076	$ 3,000
New Acct	Mileage					$ 720
16560-091	Employee Recognition Program	$ 8,013	$ 8,809	$ 15,000	$ 7,411	$ 9,000
Commodities and Services						
16600-091	Economic Development Contribution	$ 50,000	$ 0	$ 50,000	$ 50,000	$ 50,000
16800-091	Advertising and Legal Publications	$ 33,275	$ 33,192	$ 41,745	$ 32,228	$ 34,000
17050-091	Consulting Fees - Engineering, Accounting and Legal	$ 155,921	$ 324,328	$ 255,000	$ 342,052	$ 327,000
17070-091	Consulting Fees - Data Processing	$ 4,144	$ 11,005	$ 14,000	$ 6,600	$ 6,750
17100-091	Dues and Memberships	$ 13,747	$ 5,342	$ 14,000	$ 5,350	$ 6,000
17300-081	Postage and Shipping	$ 0	$ 0	$ 0	$ 0	$ 500
17500-091	Maintenance - Building					$ 18,804
17800-091	Communication	$ 854	$ 1,036	$ 2,000	$ 936	$ 1,000
17900-091	Continuing Education and Travel	$ 441	$ 465	$ 3,500	$ 280	$ 5,400
18000-091	Electricity					$ 6,000
18100-091	Natural Gas					$ 500
19500-091	Maintenance - Grounds					$ 10,000
19800-091	Miscellaneous Commodities	$ 248	$ 10,400	$ 1,500	$ 1,618	$ 1,500
20100-091	Office Supplies	$ 0	$ 35	$ 7,010	$ 5,574	$ 10,000
New Acct	Raccoon River Reimb to City of WDM		$ 0	$ 0	$ 0	$ 408,257
Sub-totals - Administration Expenses		**$ 770,004**	**$ 895,014**	**$ 739,729**	**$ 900,369**	**$ 1,441,358**
Debt Service - Interest						
22086-091	2012 DMWW Refunding Bonds - WDMWW Share - Treatment Plant capacity 2 MGD	$ 80,411	$ 61,982	$ 55,142	$ 55,142	$ 54,592
22098-091	2012 Water Revenue Bonds	$ 143,937	$ 143,188	$ 142,500	$ 142,500	$ 120,000
22099-091	2013 Water Revenue Bonds	$ 89,475	$ 68,000	$ 43,525	$ 43,526	$ 28,125
22081-091	2016 SRF Loan	$ 42,116	$ 61,192	$ 68,110	$ 58,846	$ 55,623

Sub-totals - Interest		**$ 355,939**	**$ 334,362**	**$ 309,277**	**$ 300,014**	**$ 258,340**
Administration Department Totals						
	Operating Expenses	$ 770,004	$ 895,014	$ 739,729	$ 900,369	$ 1,441,358
	Interest	$ 355,939	$ 334,362	$ 309,277	$ 300,014	$ 258,340
Administration Department Totals		**$ 1,125,943**	**$ 1,229,376**	**$ 1,049,007**	**$ 1,200,383**	**$ 1,699,698**
S U M M A R Y O F O P E R A T I N G E X P E N S E S						
	Water Treatment	$ 5,370,679	$ 5,688,057	$ 6,140,434	$ 5,380,893	$ 5,744,436
	Engineering	$ 482,989	$ 499,457	$ 505,422	$ 520,452	$ 576,855
	Water Distribution	$ 3,104,387	$ 3,415,753	$ 3,470,504	$ 3,296,286	$ 3,365,745
	Customer Service and Finance	$ 1,587,011	$ 1,539,773	$ 1,734,404	$ 1,486,370	$ 1,483,294
	Administration	$ 1,125,943	$ 1,229,376	$ 1,049,007	$ 1,200,383	$ 1,699,698
Sub-Totals Operating Expense plus Bond Interest		**$ 11,671,009**	**$ 12,372,415**	**$ 12,899,771**	**$ 11,884,384**	**$ 12,870,029**
Totals - Current Year Revenue		**$ 15,704,274**	**$ 15,964,443**	**$ 15,896,013**	**$ 16,036,955**	**$ 15,845,421**
Net Revenue over Operating Expenses		**$ 4,033,265**	**$ 3,592,028**	**$ 2,996,242**	**$ 4,152,571**	**$ 2,975,392**

C A P I T A L O U T L A Y				Capital Outlay		Capital Outlay
Debt Service - Principal - Funds Required		**Actual Expense 2017**	**Actual Expense 2018**	**Accrual Basis Budget 2019**	**Anticipated Expense 2019**	**Accrual Basis Budget 2020**
	2012 DMWW Refunding Bonds - WDMWW Share - Treatment Plant capacity 2 MGD	$ 239,426	$ 24,900	$ 257,003	$ 257,003	$ 261,000
	2012 Water Revenue Bonds	$ 25,000	$ 25,000	$ 750,000	$ 750,000	$ 1,000,000
	2013 Water Revenue Bonds	$ 1,400,000	$ 1,780,000	$ 770,000	$ 770,000	$ 675,000
	2016 SRF Loan	$ -	$ 143,000	$ 146,000	$ 146,000	$ 149,000
Sub-totals - Debt Service - Principal		$ 1,664,426	$ 1,972,900	$ 1,923,003	$ 1,923,003	$ 2,085,000
00600-100	Inventory - Meters and Appurtenances-New Construction	$ -	$ -	$ 238,000	$ 270,000	$ 175,000
	Land					
	Land-New Well Field-Van Meter	$ -	$ -	$ 0	$ 0	$ 500,000
	Land-New Joint West Plant	$ 0	$ 0	$ 0	$ 0	$ 250,000
	Total Land	$ -	$ -	$ 0	$ 0	$ 750,000
00800-120	**Building & Equipment**					
	General Office/Meter Reading					
-14004	PC and laptop replacements scheduled	$ 3,793	$ 4,637	$ 20,000	$ 20,000	$ 20,000
-14007	Meter Replacement/Upgrade Plan	$ 24,266	$ 0	$ 450,000	$ 0	$ 450,000
-15005	17th Tower Painting & Repair	$ 7,832	$ 0	$ 0	$ 0	$ 0
-16002	Replace doors & windows at plant & wells	$ 11,477	$ 0	$ 0	$ 0	$ 0
-16006	Hydraulic Modeling & Training	$ 19,350	$ 0	$ 0	$ 0	$ 0
-17001	Hypo Feeder Pump	$ 6,674	$ 0	$ 0	$ 0	$ 0
-17003	Replace Plant Filter Building Roof	$ 41,400	$ 0	$ 0	$ 0	$ 0
-17004	Chlorine storage tanks, piping & controls	$ 273,074	$ 0	$ 0	$ 0	$ 0
-17005	Water softeners for soda ash feed system	$ 25,685	$ 0	$ 0	$ 0	$ 0
-17006	HVAC for plant office	$ 8,034	$ 0	$ 0	$ 0	$ 0
-17007	Ground Storage Tank 2 Painting	$ 0	$ 310,971	$ 0	$ 0	$ 0
-17008	Lime Slaker Replacement	$ 26,884	$ 188,213	$ 0	$ 0	$ 0
-17009	Pipe Saw	$ 10,865	$ 0	$ 0	$ 0	$ 0
-17010	Trimble Handheld to program meters	$ 2,585	$ 2,500	$ 2,000	$ 0	$ 0
-17011	4G Tablets for Meter Techs	$ 0	$ 0	$ 4,000	$ 0	$ 0
-17012	ARC GIS Server	$ 203,574	$ 0	$ 0	$ 0	$ 0
-17013	Firewall Software	$ 5,954	$ 0	$ 0	$ 0	$ 0
-18001	Hypo Flow Meter	$ 0	$ 5,535	$ 0	$ 0	$ 0
-18003	Process Pipe Cleaning	$ 0	$ 86,783	$ 0	$ 0	$ 0
-18005	Standby Generator 17th St Tower	$ 0	$ 3,696	$ 70,000	$ 70,000	$ 0
-18006	Distribution Material Storage Cover	$ 0	$ 30,059	$ 0	$ 0	$ 0
-18007	Building Security Improvements-Plant	$ 0	$ 0	$ 500,000	$ 50,000	$ 600,000
-18011	Office Equipment Contingency	$ 0	$ 3,922	$ 57,000	$ 22,413	$ 25,000
-19001	New Administrative Office Building	$ 0	$ 0	$ 3,000,000	$ 2,400,000	$ 175,000

	Painting Aerator (Interior)	$ 0	$ 0	$ 0	$ 0	$ 280,000
	Total Plant	$ 671,448	$ 636,315	$ 4,103,000	$ 2,562,413	$ 1,550,000
00800-120	**Vehicles**					
	Vehicle Replacement	$ 163,268	$ 65,340	$ 95,000	$ 77,625	$ 135,000
	Equipment					
	High Service Pumping VFDs	$ 0	$ 0	$ 0	$ 0	$ 30,000
	Vac Unit - On trailer	$ 0	$ 0	$ 0	$ 0	$ 55,000
	Mini Extractor and trailer	$ 0	$ 0	$ 0	$ 0	$ 102,000
-19004	SCADA System Upgrade	$ 0	$ 0	$ 1,000,000	$ 100,000	$ 775,000
-19006	Jordan Creek Vault Drain	$ 0	$ 0	$ 25,000	$ 0	$ 0
-19007	Stainless Steel Column Pipe-Deep Well #3	$ 0	$ 0	$ 160,000	$ 0	$ 0
-18008/-19002	Plant Equipment Contingency	$ 0	$ 126,034	$ 165,000	$ 0	$ 202,000
-19004	Building 5 Door Replacement	$ 0	$ 0	$ 10,000	$ 0	$ 0
Sub-totals - Equipment		**$ 834,716**	**$ 827,689**	**$ 5,796,000**	**$ 3,010,037**	**$ 3,024,000**
00800-170	**Treatment Plant & Distribution**					
	AC Ward Facility Assessment-Long Term CIP Planning	$ 1,509	$ 0	$ 0	$ 0	$ 100,000
-13001	Water Mains West on Mills & North to 105th.	$ 14,210	$ 0	$ 0	$ 0	$ 0
-14003	Pressure Zone 3 Pipe Modifications	$ 2,046	$ 0	$ 0	$ 0	$ 0
-14004	Zone 3 Pump Station	$ 31,410	$ 0	$ 0	$ 0	$ 0
-14006	2014 Water Main Replacement	$ 3,784	$ 0	$ 0	$ 0	$ 0
-15002	Convert Ball Fields to Lake Water Irrigation	$ 0	$ 89,100	$ 0	$ 0	$ 0
-15005	SW Area Grand Prairie Pkwy Water Main Extension	$ 195	$ 319,296	$ 0	$ 0	$ 0
-15007	S 88th St Temp Main Near Booneville Road	$ 100	$ 0	$ 0	$ 0	$ 0
-15008	60th St Mills Civic to Grand	$ 622	$ 595,112	$ 0	$ 0	$ 0
-15009	Grand Ave and S 35th Wate Main Replacement	$ 118,656	$ 0	$ 0	$ 0	$ 0
-15010	Grand Ave Hydrant Additions, S50th to S 35th	$ 16,880	$ 0	$ 0	$ 0	$ 0
-15011	Contingency Territory Purchase	$ 16,880	$ 0	$ 0	$ 0	$ 0
-16002	Jordan Well 26 (deep well5)	$ 2,391,829	$ 144,045	$ 0	$ 61	$ 0
-16003	Shallow Well Construction at AC Ward	$ 0	$ 0	$ 0	$ 0	$ 100,000
-16004	ASR Well 2016-2018	$ 10,864	$ 0	$ 0	$ 0	$ 0
-16005	Veteran's Pkwy Water Main Ext 2016	$ 233,304	$ 172,464	$ 0	$ 0	$ 0
-16006	2016 Water Main Replacement	$ 40,223	$ 0	$ 0	$ 21	$ 0
-16007	SW Grand Prairie Pkwy to Wendover 2016	$ 77,024	$ 0	$ 0	$ 0	$ 0
-17001	88th St EP True to 900 Feet North	$ 149,588	$ 0	$ 0	$ 0	$ 0
-17003	Rural Water Territory Purchase	$ 0	$ 0	$ 500,000	$ 18,720	$ 500,000
-17005	Ashworth Rd 8th-35th Design/Constr	$ 74,357	$ 0	$ 175,000	$ 31,644	$ 200,000
-17006	2017 Water Main Replacement	$ 394,700	$ 2,600	$ 0	$ 0	$ 0
-17007	2017 Mills Civic-Grand Prairie Pkwy t Wendover	$ 400	$ 400	$ 0	$ 0	$ 0
-17008	2017 Mills Civic Pkwy 81st to 88th	$ 252,585	$ 2,963	$ 0	$ 1,323	$ 0
-17009	Osmium City Project	$ 750	$ 648	$ 0	$ 0	$ 0

-18001	Ashworth - Phase 2	$ 0	$ 0	$ 0	$ 235,000	$ 0
-18002	Granf Main Repl-Delevan To Wolf Way	$ 0	$ 257,752	$ 0	$ 13,715	$ 0
-18004	Joint Water Main & Pump Station-South Area	$ 0	$ 566,474	$ 1,100,000	$ 909,224	$ 640,000
-18005	Alluvion Booster Station 2018	$ 0	$ 448,993	$ 0	$ 0	$ 0
-18006	2018 Water Main Replacement	$ 0	$ 205,267	$ 0	$ 0	$ 0
-18007	88th St 900 Ft No of EP True to Ashworth	$ 5,500	$ 41,089	$ 0	$ 0	$ 0
18009/19005	Distribution Equipment Contingency	$ 0	$ 0	$ 50,000	$ 0	$ 50,000
-19001	2019 Water Main Replacement	$ 0	$ 0	$ 385,000	$ 400,000	$ 0
-19003	elevated Water Storage Tower	$ 0	$ 0	$ 40,000	$ 22,476	$ 0
-19004	S. 60th from Joint Booster to Veterans	$ 0	$ 0	$ 798,000	$ 550,000	$ 250,000
-19005	2019 Mills Civic Pkwy 88th to 91st	$ 0	$ 0	$ 192,500	$ 254,647	$ 0
-19006	Grand Prairie Pkwy Mills to Stagecoach	$ 0	$ 0	$ 500,000	$ 0	$ 0
-19007	Booneville Rd 88th to Future GPP	$ 0	$ 100,737	$ 420,000	$ 250,479	$ 0
-19009	50th St. Tower Lighting	$ 0	$ 506	$ 30,000	$ 8,000	$ 95,000
-19010	2019 Water Main Replacement-17th St and Center	$ 0	$ 0	$ 0	$ 37,129	$ 0
	2020 Water Main Replacement	$ 0	$ 0	$ 0	$ 0	$ 580,000
	EP True - Phase 1 88th to 2600 feet west	$ 0	$ 0	$ 0	$ 0	$ 560,000
	Anticipated City Reimbursements-Small Projects	$ 0	$ 0	$ 90,000	$ 58,438	$ 75,000
Sub-totals - Improvements		$ 3,837,415	$ 2,947,446	$ 4,280,500	$ 2,790,877	$ 3,150,000
	Land					
	Totals	$ 0	$ 0	$ 0	$ 0	$ 750,000
	Building and Equipment					
	Totals	$ 834,716	$ 827,689	$ 5,796,000	$ 3,010,037	$ 3,024,000
	Improvements					
	Totals	$ 3,837,415	$ 2,947,446	$ 4,280,500	$ 2,790,877	$ 3,150,000
	Sub-total - Equipment and Improvements	**$ 4,672,131**	**$ 3,775,135**	**$ 10,076,500**	**$ 5,800,914**	**$ 6,924,000**
	Debt Service - Principal	$ 1,664,426	$ 1,972,900	$ 1,923,003	$ 1,923,003	$ 2,085,000
TOTALS - CAPITAL OUTLAY		**$ 6,336,557**	**$ 5,748,035**	**$ 11,999,503**	**$ 7,723,917**	**$ 9,009,000**
SUMMARY OF ALL OPERATING AND CAPITAL EXPENSES						
	Operating Expenses	$ 11,671,009	$ 12,372,415	$ 12,899,771	$ 11,884,384	$ 12,870,029
	Debt Service - Principal	$ 1,664,426	$ 1,972,900	$ 1,923,003	$ 1,923,003	$ 2,085,000
	Capital Outlay-Equipment & Improvements	$ 4,672,131	$ 3,775,135	$ 10,076,500	$ 5,800,914	$ 6,924,000
TOTALS - ALL OPERATING AND CAPITAL OUTLAY EXPENSES		**$ 18,007,566**	**$ 18,120,451**	**$ 24,899,274**	**$ 19,608,301**	**$ 21,879,029**

West Des Moines Water Works 2020 Budget - Cash Outlay Projections

Fund Balances	**Operating Fund Balance ***	Future Capital Outlay	Bond Sinking Fund	Debt Service Reserve Fund	Flow Through Funds for City, and Sales Tax,
Estimated Beginning Balance - January 1, 2020	$ 7,496,000	$ 7,867,737	$ 135,000	$ 130,000	$ 2,500,000
Future Capital Outlay Income	(540,000)	540,000			
Transfer to Future Capital Outlay (WMR)	(250,000)	250,000			

Transfer to Future Capital Outlay (Water Sales)		(150,000)	150,000			
Transfer to Future Capital Outlay (Rental Income)		(540,000)	540,000			
Connection Fees - South Area Water Connection Fee District		(358,000)	358,000			
Connection Fees - Southwest Area Water Connection Fee District		(224,000)	224,000			
Connection Fees - Raccoon River Area Water Connection Fee District		(196,000)	196,000			
Plus Difference Between Revenue vs. Expenses		2,975,392				
Less Non-cash revenue items (mains, deferred revenue)		(91,325)				
Plus Depreciation		3,145,606				
Plus OPEB & Sick Accrual (non-cash budget item)		354,000				
Less Capital Outlay:						
Less 2020 Water Main Replacement		**(580,000)**				
Less	AC Ward Facility Assessment-Long Term CIP Planning		**(100,000)**			
Less	Shallow Well Construction at AC Ward		**(100,000)**			
Less	50th St. Tower Lighting		**(95,000)**			
Less	Rural Water Territory Purchase		**(500,000)**			
Less	S. 60th from Joint Booster to Veterans		**(250,000)**			
Less	Ashworth Rd 8th-35th Design/Constr		**(200,000)**			
Less	EP True - Phase 1 88th to 2600 feet west		**(560,000)**			
Less	Joint Water Main & Pump Station-South Area		**(640,000)**			
Less	Administrative Office Building		**(175,000)**			
Less	Land-New Well Field-Van Meter		**(500,000)**			
Less	Land-New Joint West Plant		**(250,000)**			
Less	Misc Plant Upgrades		**(202,000)**			
Less	Anticipated City Reimb Projectd	**(75,000)**				
Less	Capital Equipment	**(2,697,000)**				
Less Bond Principal				(2,085,000)		
		(2,085,000)		2,085,000		
		$ 6,184,673	$ 6,553,737	$ 135,000	$ 130,000	$ 2,500,000
Proof to CIP Document for 2019			$ (6,924,000)			$ (6,924,000)
This is an accrual budget; Capital Outlay items are not part of the budget for the State.						
Depreciation expense is in lieu of capital outlay. See below for cash conversion:						
	Depreciation Expense in lieu of capital outlay			**3,145,606**		
Less	**Debt Service Principal**			**(2,085,000)**		
Less	**Capital Outlay**			**(6,924,000)**		
Equals	**Net capital outlay**			**(5,863,394)**		
Plus	**Net revenue over expenses**			**2,975,392**		
Plus	**OPEB & Sick Accr & GASB 68 (non-cash)**			**354,000**		
Less	**Revenue recognized that is not cash**			**0**		
Equals	**Increase (decrease) in cash balance**			**(2,372,005)**		

Capital Project Planning - Multi Year Plan - Years 2020 onward will have additional capital projects as development continues to in West Des Moines, and the City informs us of new plans.

Capital Projects	2020	2021	2022	2023	2024	Notes
2020 Water Main Replacement - EP True & 50th	580,000					$580K EP True,
2021 Water Main Replacement - TBD		400,000				$110K S. 32nd
2022 Water Main Replacement - TBD			500,000			
2023 Water Main Replacement - TBD				500,000		
2024 Water Main Replcement - TBD					500,000	
50th Street Elevated Water Storage Tower Lighting	95,000					2019 Design, 2020 installation (Estimate from KCL)
88th Street - Primo Lane to Ashworth		190,000				Engr in house, $30KLand/ease., $160K Constr.
Ashworth Road - 8th to 35th - Design & Construction	200,000	1,125,000	1,275,000	1,025,000	575,000	($525K Design, $3.55M Const, $300K Easements Total)
Ashworth Road I-80 Crossing		480,000				$22.2K Engr, $457,840 Constr.
Booneville Rd - 100th to Future Grand Prairie Parkway					415,000	
EP True - Ph 1 - 88th to 2600 feet west	560,000					$34,125 Engr, $525,875 Constr.
EP True - Ph 2 - 2600 feet west to 5200 feet west of 88th			730,000			$42K Engr., $680K Constr.
EP True - Ph 3 - 5200 feet west of 88th to Grand Prairie					787,000	$44.6K Engr., $764.5K Constr.
Grand Prairie Pkwy - Mills to Grand		35,000	605,000			
Grand Prairie Pkwy - Stagecoach to Booneville					920,000	
Joint Water Main & Pump Station - South Area	640,000					Carryover project
Rural Water Terrritory Purchase	500,000	500,000	500,000	500,000		Total of $2,000,000 Moved 2020 to 2023
S. 60th Street - Joint Booster to Veterans	250,000					Constr in 2019, under contract, remaining amount shown
Shallow Wells AC Ward	100,000	500,000	400,000			Move from 2018 to 2020 - Engr. Construction 2021/22
South Area Elevated Water Storage Tower			500,000	5,500,000		Engr. $500K , Tower - Approx. 2023
Land (new well field - Van Meter)	500,000					Well field and easements
Land (new Joint West Plant)	250,000					5 Acres
New Water Treatment Plant		1,000,000	1,500,000	5,000,000	20,000,000	Design 18+ months, permitting 4 mo, plant constr. 2+ yrs.
New Well Field and Raw Water Main					5,000,000	
A.C. Ward Facility Assessment (Long Term CIP Planning)	100,000					Comprehensive eval/Schedule of improvements
Anticipated City Reimbursements - See Below	75,000	75,000	75,000	75,000	75,000	
Subtotal - Improvements	**3,850,000**	**4,305,000**	**6,085,000**	**12,600,000**	**28,272,000**	
Capital Equipment	**2020**	**2021**	**2022**	**2023**	**2024**	
Meter Replacement - Upgrade Plan	450,000	450,000	250,000	250,000	250,000	Meter Replacement caught up in 2021
Meters - New Construction	175,000	175,000	175,000	175,000	175,000	
Miscellaneous Improvements/Equipment- Distribution	50,000	50,000	50,000	50,000	50,000	1st yr -valve turner $26K, Misc unknown expense
Miscellaneous Equipment - General Office	25,000					Misc unknown expense
PC & Laptop Replacement Scheduled	20,000	20,000	20,000	20,000	20,000	
SCADA System Complete Upgrade	775,000					Estimated system staging - per Travis w/ ACS
Security System Upgrades - System wide	600,000					Carryover, increased cost per Shive
High Service Pumping VFDs	30,000	100,000	100,000			
Meter Read Collector				50,000		Add when new tower is constructed
Vac Unit - On trailer	55,000					
Mini Excavator and trailer	102,000					
GPS Surveying Equipment			30,000			
Miscellaneous Plant Equipment/Building Upgrades	202,000	50,000	50,000	50,000	50,000	see below
Various vehicles per replacement schedule	135,000	75,000	75,000	75,000	75,000	Various Trucks 2020 - F250 or equiv w/ plow & Service Truck ($95k) 2021 - Replace Truck w/shared SUV
Capital Projects Repair/Replacement to Infrastructure						
Administrative Office Building - See Below	175,000	-	-	-		$140K for Plant Office Remodel/Update + 35K Landscap.
Painting - Aerator (Interior)	280,000		280,000			Interior Painting and Structural Repairs
Painting - Ground Storage Tank #1 - 1 MG Storage				202,000		V&K Figures Sept 2013
Painting - Stillwell Tower - 1 MG Storage (Interior)	-	370,000	320,000	-	-	Dixon Engr Cost Estimate (inside work year 1/outside year 2
Subtotal Capital Projects Repair/Replacement	**3,074,000**	**1,290,000**	**1,350,000**	**872,000**	**620,000**	
Total Capital Improvements and Equipment	**6,924,000**	**5,595,000**	**7,435,000**	**13,472,000**	**28,892,000**	
Debt Service Principal						
Bond Principal Payments (Interest Payments are in O&M Budget)	1,936,000	1,269,000	1,277,000	285,000	293,000	
SRF Loan Estimated Payments per Resolution	149,000	152,000	155,000	158,000	381,000	
Subtotal Debt Service Principal	**2,085,000**	**1,421,000**	**1,432,000**	**443,000**	**674,000**	
Grand Total Capital Expenses	**9,009,000**	**7,016,000**	**8,867,000**	**13,915,000**	**29,566,000**	
Funding Sources	**2020**	**2021**	**2022**	**2023**	**2024**	
O&M and FCO (approx amount available w/o using reserves)	9,801,000	6,600,000	7,000,000	7,000,000	7,000,000	
Amount (Over)/Under Breakeven - If (Over) Use Reserve Funds	792,000	(416,000)	(1,867,000)	(6,915,000)	(22,566,000)	567,907 Total reserve reduction
Cash Reserves Over Minimum-O&M and FCO at beginning of year	9,992,907	10,784,907	10,368,907	8,501,907	1,586,907	
Cash Reserves Over Minimum O&M and FCO at end of year	10,784,907	10,368,907	8,501,907	1,586,907	(20,979,093)	

$ 7,341,500	O&M Balance 12/31/2019
$ 3,200,000	Minimum 25% of O&M Expenses
$ 4,141,500	Over Minimum 1/1/2020
$ 7,459,500	FCO Balance 12/31/2019
$ 1,800,000	Minimum
$ 5,659,500	Over Minimum 1/1/2020
$ 9,801,000	Total Over Minimum as of 1/1/2020

Anticipated City Reimbursements - Small Projects	75,000	75,000	75,000	75,000
WDMWW Reimbursement for Misc H2O Adjustments	75,000	75,000	75,000	75,000

Miscellaneous Plant Equipment / Building Upgrades	202,000	50,000	50,000	50,000
Miscellaneous	**50,000**	**50,000**	50,000	50,000
Sludge Pump	4,000			
Chemical Slurry Pumps	26,000			
CO2 Pressure Regulator	7,000			
Roof Replacement (Deep Well #3 and Chem Feed Roof	100,000			
Hoist Improvements (39th St. & High Service	15,000			