



MEMORANDUM

EUGENE WATER & ELECTRIC BOARD

Rely on us.

TO: Commissioners Simpson, Helgeson, Manning, Mital, and Brown
FROM: Mel Damewood, Engineering Manager
DATE: July 19, 2016
SUBJECT: Electric and Water 10-Year Capital Improvement Plans (CIPs)
OBJECTIVE: Board Action – Approval of CIP

Issue

On July 19, 2016, EWEB management will present to the Board the 10-Year (2017-2026) Electric and Water Capital Improvement Plans (CIPs) for approval. Management is requesting Board approval of the first five (5) years of each CIP and the 2017 capital budgets.

Background

On June 7, 2016, EWEB staff presented to the Board a revised Draft 5-year CIP for both Electric and Water. The revised CIPs included changes to reflect revised estimates, emergent priorities, and project deferrals which affected the CIP since it was approved in 2015.

The CIPs presented herein include the proposed 2017 capital budget and a 10-year overall outlook (2017-2025). Similar to previous capital board memos, spending is classified by three types, including the following:

Type 1 capital is a collection of routine capital work under specific categories (Transmission, Distribution, Buildings). This work is funded through rates. Examples of Type 1 capital include pole replacements, water main replacements, etc.

Type 2 capital is for discrete projects with defined time periods and lifetime expenditures over \$1 million. Depending on the project, this work can be funded through either rate or bond funds. Examples of Type 2 capital include the Downtown Electric Network, and Hayden Bridge Filter Improvements.

Type 3 capital is for large strategic programs with long-term impacts. These programs are generally bond-financed and include examples like Carmen-Smith Re-Licensing and Alternative Water Supply.

Discussion

Electric Utility

2017-2026 Electric CIP

The proposed 2017-2026 Electric CIP includes 10-year planned expenditures of \$349.7 million, compared to \$402 million in last year's 2016-2026 CIP. Much of the decrease is due to the deceleration of Carmen-Smith spending, which decreased from \$161 million to \$119 million in the 10-year period with much of the decrease in the second five year period. The Carmen-Smith

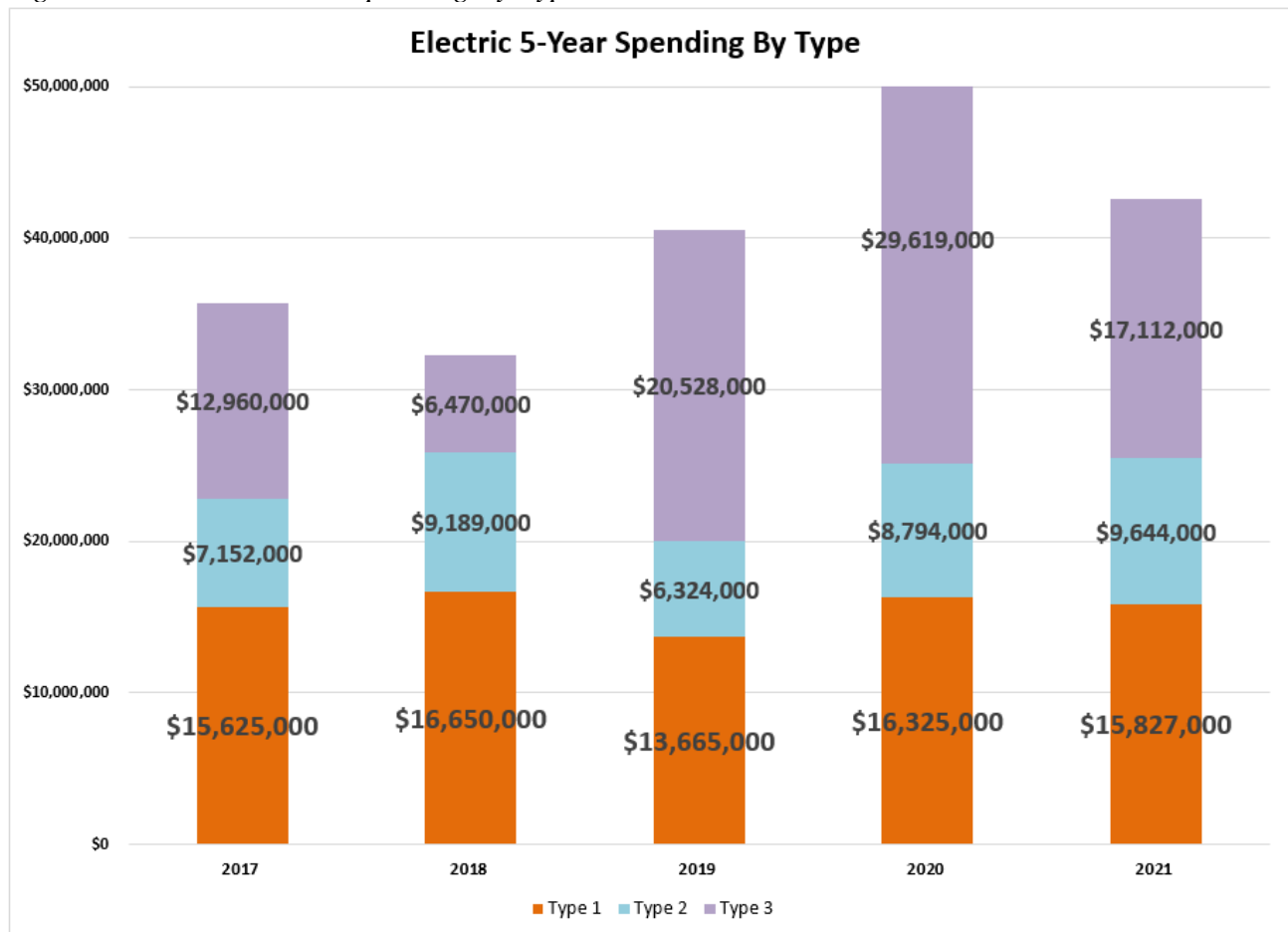
decrease includes inflationary updates to original estimates, work in response to aging powerhouse equipment, and the anticipated license issuance by FERC including a reduction in fish related facility infrastructure construction.

The overall rate-funded spending projection over ten years increased by \$5 million (or 2.2%) from \$226 million to \$231 million. Within the Type 1 and Type 2 rate-funded categories, Generation increased proposed expenditures \$13.6 million to \$18.6 million. Examples of major projects for generation over the next ten years include a rewind of Leaburg Unit 2 Generator, Trail Bridge plant life extension and rehabilitation, and a bridge replacement at Mountain View Lane at the Leaburg project.

Within Type 1 and 2 Transmission & Distribution, funding decreased by approximately \$1 million to \$86.5 million over the 10 year period, and Information Systems capital decreased \$5.2 million (12.4%) to \$36.7 million. Within the 10-year period, significant electric infrastructure projects include work associated with improving resiliency, including rebuilding the Currin Substation and transmission/distribution lines to Hayden Bridge, improved grid interconnectivity at Thurston, and west Eugene distribution improvements.

The initial five-year CIP spending schedule, totaling \$205.9 million, is shown in Figure 1 below.

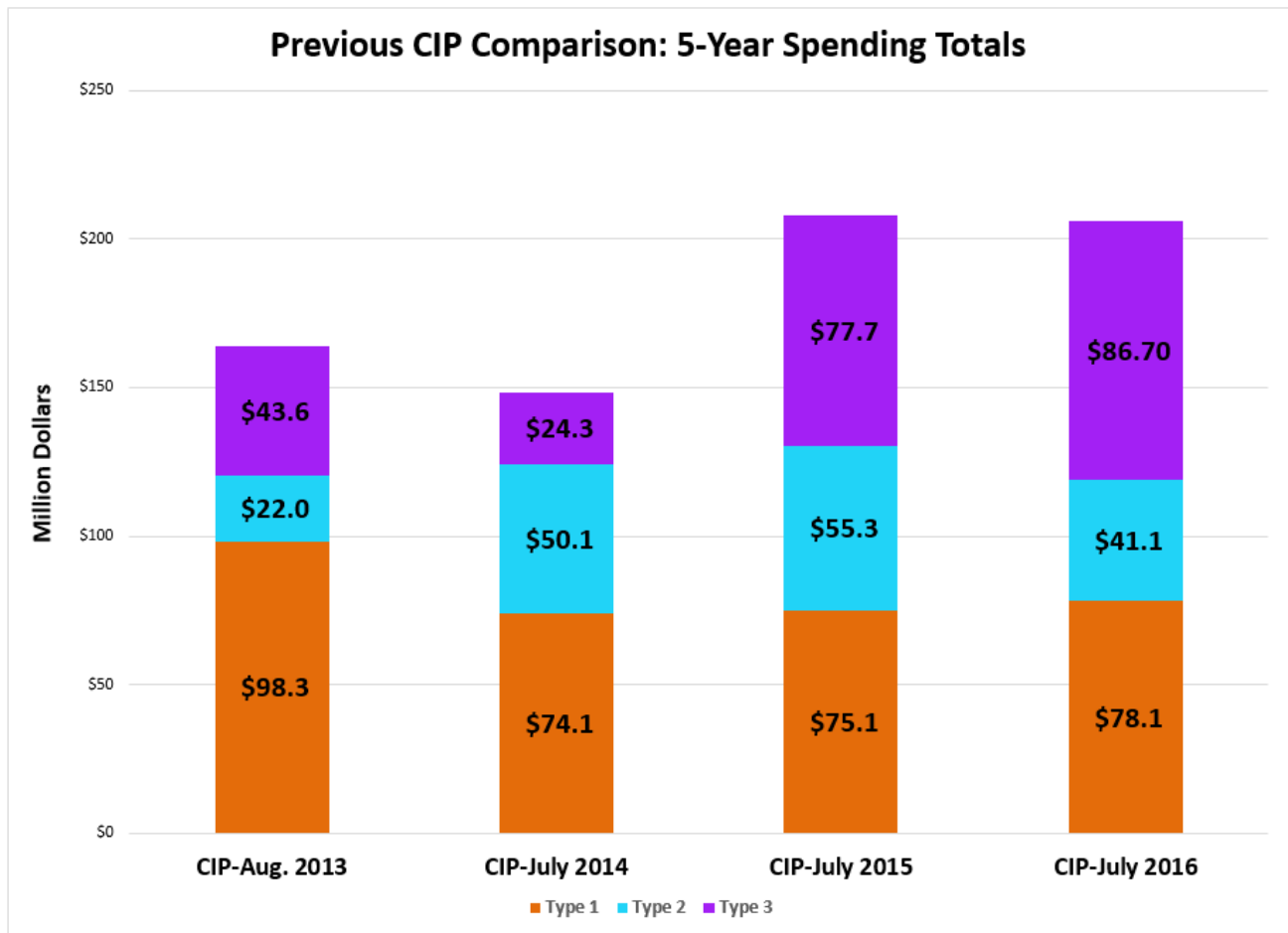
Figure 1 – Electric 5-Year Spending By Type



Proposed spending in the initial five-year period is slightly decreasing from \$208 million in last

year's CIP to \$205.9 million in this year's 2017-2021 period. For comparison, the past four proposed CIPs are compared below in Figure 2.

Figure 2 – Electric CIP Comparison by Year



2017 Electric Capital Budget

The Electric CIP proposes a 2017 capital spending budget of \$35.7 million, slightly lower than last year's 2016 proposal of \$38.7 million. The 2017 budget includes \$15.6 million in Type 1 electric general capital work. Included in the proposed budget is \$4.9 million for the second year of the customer information system (CIS) replacement, \$1 million for downtown distribution network, approximately \$600 thousand for the AMI network and associated IT work. Other work includes advanced metering purchases, and the river crossing tap on the Thurston 115/230 kV transmission line, which is a component project of the overall McKenzie River system reconfiguration. The Carmen-Smith 2016 budget is \$14 million from dedicated funds.

Electric Capital Reserves

Anticipated funding throughout the 10-year period includes a flat assumption of \$18.7 million per year from rate funding, \$46 million in customer-funded reimbursements, and \$115 million in dedicated Carmen-Smith funding (reserves, rates, bonds). With this funding, reserves remain around \$20 million (Board policy target is \$20 million), with the final reserve at 10 years leveling to approximately \$23 million.

Water Utility

2017-2026 Water CIP

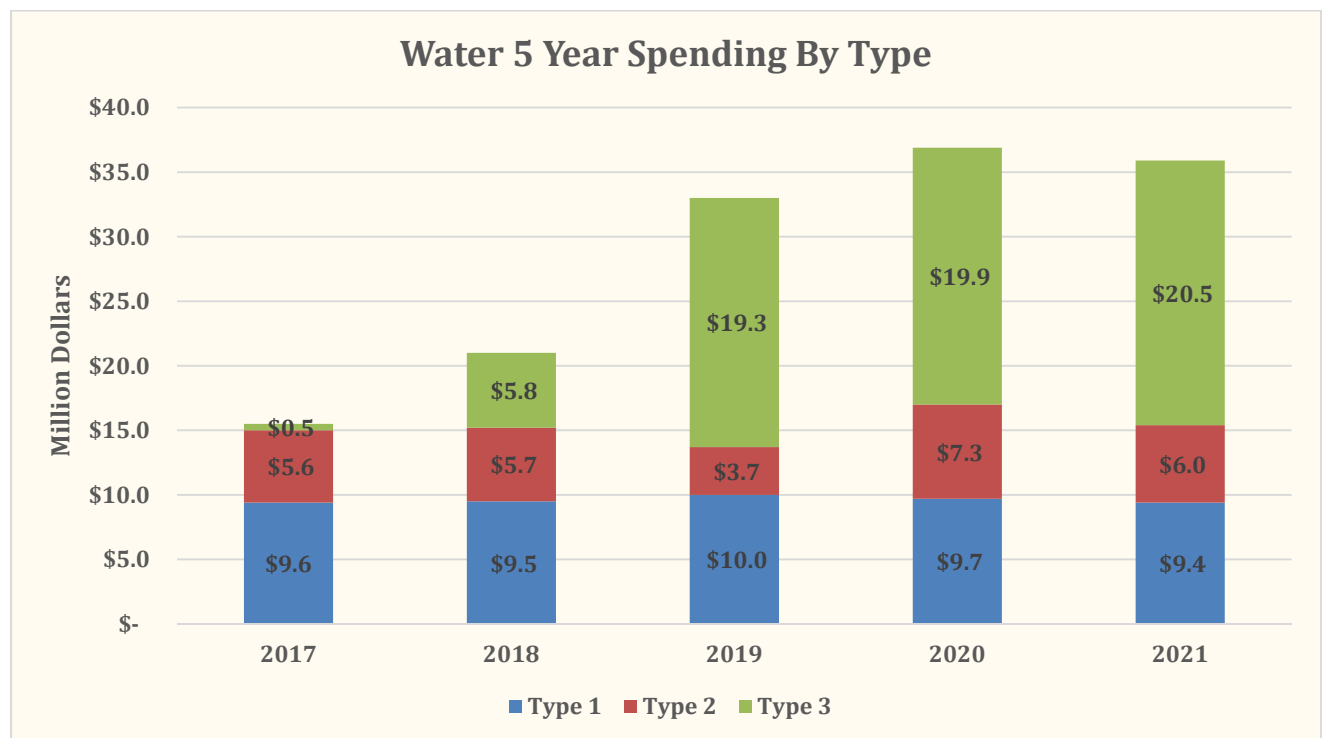
The total Type 1, 2, and 3 expenditures for 2017-2021 are shown in Figure 3. As shown Type 1 spending generally varies between \$9M and \$10M. One item which was added last year to the Type 1 Capital is the cost for water service replacements. This has historically been conducted under the Water O&M budget but due to recent accounting definitions of O&M vs. Capital work, the work was shifted back to Capital moving forward. This amounts to approximately \$800,000 shifting from O&M to Capital per year. Long term Type 1 spending is anticipated to stay level at approximately \$10M-\$11M per year with adjustments for inflation.

The Type 2 spending for the next five years varies between \$3.7M and \$7.3M. Significant work occurring for the next five years include a new disinfection system at Hayden Bridge, seismic and structural upgrades at Hawkins Reservoir, and transmission improvements.

Much of the Type 2 work has been pushed to the later years of the CIP to accommodate the Alternative Water Supply project. As a result, Type 2 spending increases in years 2022-2026 to end near \$8.5M.

There is only one Type 3 project in water, the Alternative Water Supply Project, specifically the new Willamette Water Treatment Plant. As shown, only a minor amount is anticipated to be spent on this in the next few years with significant design work beginning in 2018. Preliminary design activities are occurring on this project and we anticipate updated cost estimates later in 2016.

Figure 3 - Water 5 Year Spending



A comparison of the rolling five-year CIP by project type for the last three years is shown in Figure 4.

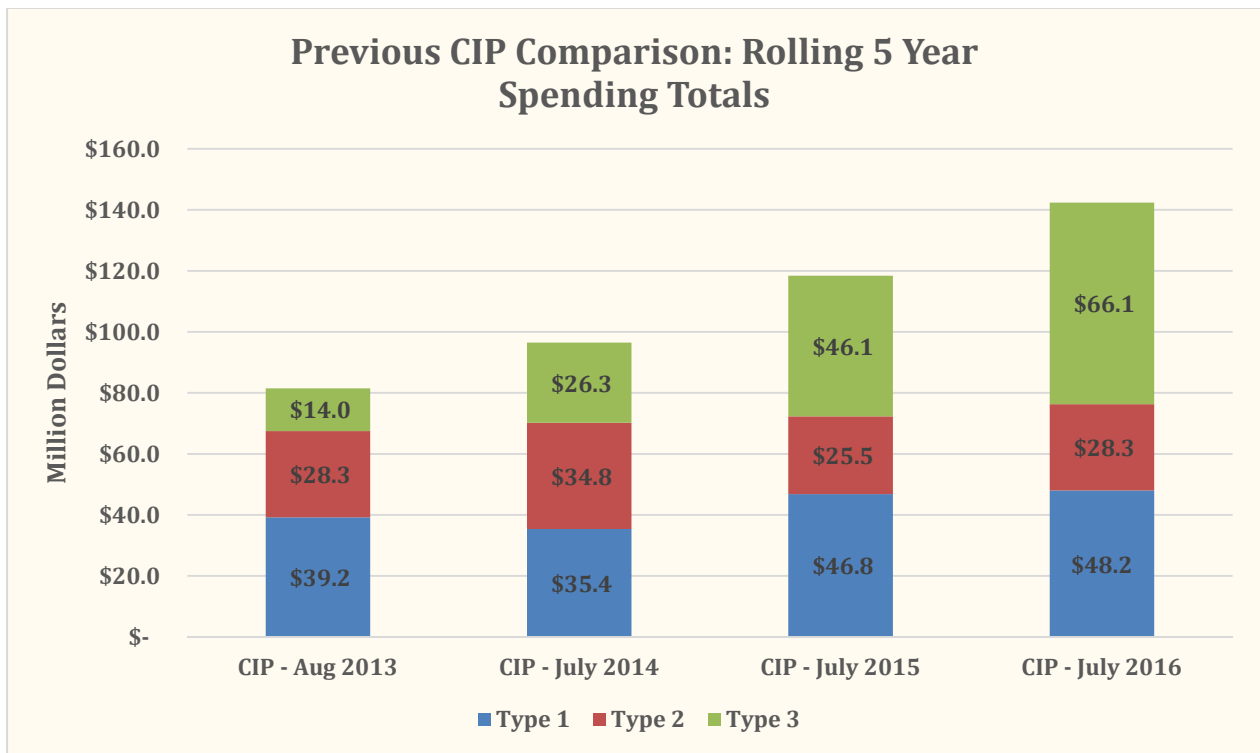
As shown there is an increase in Type 1 spending. This is primarily due to the following:

- 1) Shift in service replacement work from O&M to Capital ~ \$800K per year.
- 2) Increases in reimbursable capital work (new services and CBD work) ~ \$400K per year
- 3) Increases in main replacement work.

There was a decrease in the Type 2 spending for the 5-year rolling average last year as some large projects at Hayden Bridge were completed. This year, some new projects fully entered the 5 year CIP which brought Type 2 spending back up. The five year CIP is still less than several years ago due to the deferment of several Type 2 projects to after the completion of the Willamette Plant.

The increase in the Type 3 spending is a result of the third year of Willamette Plant construction coming into the CIP, approximately \$20M.

Figure 4 - Water CIP Comparison – Rolling 5-Year Spending Totals



2017 Water Capital Budget

The 2017 budget as well as the complete ten-year 2017-2026 CIP is included as Attachment 2.

With respect to actual projects planned for 2017, significant projects are summarized below by project Type.

Type 1:

- Main Replacement Program. Similar to previous years the most significant Type 1 work will be associated with our main replacement program. Projects completed under this program will have two main themes: 1) Keeping ahead of the City Street Rebuild Program, and 2) Replacing high risk pipelines.
- Water Meter Replacement Program. This program was ramped up over the last several years and will continue to be a significant Type 1 effort for the Water Utility in the future. Much of the focus will continue to be on the replacement of large meters.

The rest of the Type 1 work is distributed among pump station and IT projects, along with fleet expenditures.

Type 2:

- Hayden Bridge Filter Disinfection System Replacement. In 2017, construction will begin on a two year project to replace the gas chlorine system at Hayden Bridge. The new system will generate liquid chlorine on-site.
- Hayden Bridge Standby Power Improvements. This project will provide additional standby power facilities so that finished and backwash water pumps can operate in the event of a regional or local power outage.
- Hawkins Hill Reservoir Upgrade: In late 2017, a two year project will begin to structurally upgrade the 20 million gallon Hawkins Hill Reservoir.

Type 3:

- Following property acquisition, preliminary design work is anticipated to begin in 2016 along with permitting activities for the new river intake.

Reserves

The predicted year end Capital Reserve balances are shown in Attachments 2. Anticipated timelines for borrowing and AWS transfers are noted. As shown, the Capital Reserve balance is predicted to end at approximately \$7.5M at the end of the ten-year CIP period, near the Board target of \$7 million.

TBL Assessment

Most individual projects contained within the CIP have undergone or will undergo (depending on year implemented) a TBL assessment at their appropriate level.

Recommendation

Management recommends approval of the first five years of both the 2017 Electric and Water Utility 10-Year CIP and the capital budget for 2017 as outlined in the first year of the CIP.

Requested Board Action

Approval of the first five years of both the 2017 Electric and Water Utility 10-Year CIP and the capital budget for 2017 as outlined in the first year of the CIP.

If you have any questions please contact Mel Damewood, Engineering Manager at 541-685-7145 or email mel.damewood@eweb.org

cc: Frank Lawson
Sue Fahey
Wally McCullough

Attachments:

1. 2017 -2026 Electric CIP
2. 2017 -2026 Water CIP

Attachment 1

Electric Capital Improvement Plan: 2017-2026

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	5-Year Total 2017-2021	5-Year Total 2022- 2026	10-Year Total
General Funding													
Capital Reserve Balance	\$20,000,000	\$20,826,000	\$19,087,000	\$22,068,000	\$20,010,000	\$17,673,000	\$18,145,000	\$19,477,000	\$20,915,000	\$21,903,000			(a)
Electric Rates - Operational Funding	\$18,665,000	\$18,665,000	\$18,665,000	\$18,665,000	\$18,665,000	\$18,665,000	\$18,665,000	\$18,665,000	\$18,665,000	\$18,665,000			
Customer-Driven Capital Re-Imbursement	\$4,877,000	\$5,352,000	\$4,229,000	\$4,308,000	\$4,389,000	\$4,478,000	\$4,468,000	\$4,657,000	\$4,747,000	\$4,751,000			
Interest Earnings on Reserve Fund (0.4% of Reserve Balance)	\$61,000	\$83,000	\$76,000	\$88,000	\$80,000	\$71,000	\$73,000	\$78,000	\$84,000	\$88,000			
Total Funds:	\$43,603,000	\$44,926,000	\$42,057,000	\$45,129,000	\$43,144,000	\$40,887,000	\$41,351,000	\$42,877,000	\$44,411,000	\$45,407,000			
Type 1 - General Capital													
Electric Infrastructure - Generation	\$1,196,000	\$1,865,000	\$717,000	\$2,210,000	\$1,585,000	\$1,115,000	\$500,000	\$500,000	\$500,000	\$500,000	\$7,573,000	\$3,115,000	\$10,688,000
Customer-Driven Capital Expense	\$5,080,000	\$5,560,000	\$4,440,000	\$4,524,000	\$4,608,000	\$4,702,000	\$4,796,000	\$4,890,000	\$4,984,000	\$5,088,000	\$24,212,000	\$24,460,000	\$48,672,000
Electric Infrastructure - Transmission & Distribution	\$6,681,000	\$5,965,000	\$5,870,000	\$6,210,000	\$6,330,000	\$6,460,000	\$6,590,000	\$6,720,000	\$6,850,000	\$6,980,000	\$31,056,000	\$33,600,000	\$64,656,000
Telecom - EWEB Driven	\$100,000	\$102,000	\$104,000	\$106,000	\$108,000	\$110,000	\$112,000	\$114,000	\$116,000	\$118,000			
Information Services (IS) - Shared & Electric	\$494,000	\$1,638,000	\$984,000	\$1,694,000	\$1,584,000	\$984,000	\$984,000	\$984,000	\$984,000	\$1,324,000	\$6,394,000	\$5,260,000	\$11,654,000
General Plant - Buildings & Land	\$1,074,000	\$500,000	\$510,000	\$520,000	\$530,000	\$540,000	\$550,000	\$560,000	\$570,000	\$580,000	\$3,134,000	\$2,800,000	\$5,934,000
General Plant - Fleet	\$1,000,000	\$1,020,000	\$1,040,000	\$1,061,000	\$1,082,000	\$1,104,000	\$1,126,000	\$1,149,000	\$1,172,000	\$1,195,000	\$5,203,000	\$5,746,000	\$10,949,000
Total Type 1 Net Expenditures	\$15,625,000	\$16,650,000	\$13,665,000	\$16,325,000	\$15,827,000	\$15,015,000	\$14,658,000	\$14,917,000	\$15,176,000	\$15,785,000	\$78,092,000	\$75,551,000	\$153,643,000
Type 2 - Rehabilitation & Expansion Projects													
<u>Type 2 - Bond (Non-Rate) Funds Allocated</u>													
Downtown Distribution Network Bonds											\$0	\$0	\$0
LTD EmX Project (Electric)											\$0	\$0	\$0
Total Type 2 Bond (Non-Rate) Funds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<u>Type 2 - Rehabilitation & Expansion Project Expenditures</u>													
Downtown Distribution Network	\$1,000,000	\$1,500,000	\$2,000,000	\$1,500,000	\$2,000,000	\$1,500,000	\$2,000,000	\$1,500,000	\$2,000,000	\$1,500,000	\$8,000,000	\$8,500,000	\$16,500,000
LTD EmX Project (Electric)											\$0	\$0	\$0
Advanced Meters (Electric)	\$375,000	\$688,000	\$750,000	\$750,000	\$750,000	\$650,000	\$525,000	\$525,000	\$525,000	\$525,000	\$3,313,000	\$2,750,000	\$6,063,000
Generation - Type 2 Strategic Project(s)	\$0	\$275,000	\$20,000	\$600,000	\$0	\$4,895,000	\$2,125,000	\$0	\$0	\$0	\$895,000	\$7,020,000	\$7,915,000
Electric T & D - Type 2 Strategic Project(s)	\$250,000	\$2,750,000	\$1,750,000	\$1,000,000	\$1,750,000	\$500,000	\$1,500,000	\$5,000,000	\$4,500,000	\$2,500,000	\$7,500,000	\$14,000,000	\$21,500,000
Information Technology - Type 2 Strategic Project(s)	\$5,527,000	\$3,976,000	\$1,804,000	\$4,944,000	\$5,144,000	\$182,000	\$1,066,000	\$20,000	\$307,000	\$2,052,000	\$21,395,000	\$3,627,000	\$25,022,000
Buildings & Land - Type 2 Strategic Project(s)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Type 2 Capital Expenditures (Bond, Customer, & Rate Funded)	\$7,152,000	\$9,189,000	\$6,324,000	\$8,794,000	\$9,644,000	\$7,727,000	\$7,216,000	\$7,045,000	\$7,332,000	\$6,577,000	\$41,103,000	\$35,897,000	\$77,000,000
Type 2 - Rate-Funded Capital Expenditures	\$7,152,000	\$9,189,000	\$6,324,000	\$8,794,000	\$9,644,000	\$7,727,000	\$7,216,000	\$7,045,000	\$7,332,000	\$6,577,000	\$41,103,000	\$35,897,000	\$77,000,000
Type 1 + Type 2 Rate-Funded Capital Expenditures	\$22,777,000	\$25,839,000	\$19,989,000	\$25,119,000	\$25,471,000	\$22,742,000	\$21,874,000	\$21,962,000	\$22,508,000	\$22,362,000	\$119,195,000	\$111,448,000	\$230,643,000
Type 3 - Strategic Projects & Programs													
<u>Type 3 - Bond (Non-Rate) Funds Allocated</u>													
Carmen-Smith Dedicated Funds	\$12,960,000	\$6,470,000	\$20,528,000	\$29,619,000	\$17,112,000	\$10,571,000	\$5,330,000	\$2,990,000	\$5,900,000	\$7,550,000	\$86,689,000	\$32,341,000	\$119,030,000
<u>Type 3 - Expenditures</u>													
Carmen-Smith Expenditures	\$12,960,000	\$6,470,000	\$20,528,000	\$29,619,000	\$17,112,000	\$10,571,000	\$5,330,000	\$2,990,000	\$5,900,000	\$7,550,000	\$86,689,000	\$32,341,000	\$119,030,000
Total Expenditures	\$35,737,000	\$32,309,000	\$40,517,000	\$54,738,000	\$42,583,000	\$33,313,000	\$27,204,000	\$24,952,000	\$28,408,000	\$29,912,000	\$205,884,000	\$143,789,000	\$349,673,000
Predicted Year-End Reserve Balance	\$20,826,000	\$19,087,000	\$22,068,000	\$20,010,000	\$17,673,000	\$18,145,000	\$19,477,000	\$20,915,000	\$21,903,000	\$23,045,000			
(a) - Capital Reserve Uses Starting Value											End of 2021	End of 2026	End of 2026
Transfer to Capital Reserve Needed					\$2,327,000					(\$3,045,000)			

**Attachment 2
Water Capital Improvement Plan: 2017-2026**

Funds Available	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	5 Year Total 2017-2021	5 Year Total 2022-2026	10 Year Total
Capital Reserve Balance (Includes Bond Funds)- Prior Year End	\$ 17,153,000	\$ 12,281,000	\$ 32,233,000	\$ 15,601,000	\$ 7,423,000	\$ 11,892,000	\$ 7,400,000	\$ 7,437,000	\$ 7,474,000	\$ 7,511,000			
Bond Proceeds	\$ -	\$ 30,000,000	\$ -	\$ -	\$ 23,500,000	\$ -	\$ -	\$ -	\$ -	\$ -			
Capital Reserve Balance (Includes Bond Funds)	\$ 17,153,000	\$ 42,281,000	\$ 32,233,000	\$ 15,601,000	\$ 30,923,000	\$ 11,892,000	\$ 7,400,000	\$ 7,437,000	\$ 7,474,000	\$ 7,511,000			
Annual Revenue													
Customer Contributions	\$ 1,133,000	\$ 1,167,000	\$ 1,202,000	\$ 1,238,000	\$ 1,275,000	\$ 1,313,000	\$ 1,353,000	\$ 1,393,000	\$ 1,435,000	\$ 1,478,000			
Water Rates and Reserves ¹	\$ 9,223,000	\$ 9,206,000	\$ 14,619,000	\$ 26,962,000	\$ 15,185,000	\$ 10,286,000	\$ 14,916,000	\$ 14,075,000	\$ 15,226,000	\$ 17,966,000			
SDC	\$ 412,000	\$ 424,000	\$ 437,000	\$ 450,000	\$ 464,000	\$ 478,000	\$ 492,000	\$ 507,000	\$ 522,000	\$ -			
Interest Earnings on Capital Reserve Fund	36,000	36,000	36,000	36,000	37,000	37,000	37,000	37,000	37,000	38,000			
Interest Earnings on Bond Reserve Fund	38,000	75,000	83,000	21,000	11,000	11,000							
Subtotal - Annual Revenue	\$ 10,842,000	\$ 10,908,000	\$ 16,377,000	\$ 28,707,000	\$ 16,972,000	\$ 12,125,000	\$ 16,798,000	\$ 16,012,000	\$ 17,220,000	\$ 19,482,000			
Total Funds	\$ 27,995,000	\$ 53,189,000	\$ 48,610,000	\$ 44,308,000	\$ 47,895,000	\$ 24,017,000	\$ 24,198,000	\$ 23,449,000	\$ 24,694,000	\$ 26,993,000			
Expenditures													
Type 1 - General Capital (rate funded)													
Source - Intake and Hayden Bridge	\$ 1,030,000	\$ 477,000	\$ 328,000	\$ 338,000	\$ 348,000	\$ 358,000	\$ 369,000	\$ 380,000	\$ 391,000	\$ 403,000	\$ 2,521,000	\$ 1,901,000	\$ 4,422,000
Distribution - Pump Stations & Reservoirs	\$ 1,339,000	\$ 1,114,000	\$ 929,000	\$ 1,182,000	\$ 696,000	\$ 776,000	\$ 799,000	\$ 823,000	\$ 848,000	\$ 874,000	\$ 5,260,000	\$ 4,120,000	\$ 9,380,000
Distribution - Pipelines	\$ 4,378,000	\$ 4,986,000	\$ 5,813,000	\$ 5,200,000	\$ 5,356,000	\$ 5,517,000	\$ 5,682,000	\$ 5,852,000	\$ 6,028,000	\$ 6,209,000	\$ 25,733,000	\$ 29,288,000	\$ 55,021,000
Distribution - Services & Meters	\$ 1,803,000	\$ 1,857,000	\$ 1,912,000	\$ 1,970,000	\$ 2,029,000	\$ 2,090,000	\$ 2,152,000	\$ 2,217,000	\$ 2,283,000	\$ 2,352,000	\$ 9,571,000	\$ 11,094,000	\$ 20,665,000
Information Technology	\$ 196,000	\$ 316,000	\$ 216,000	\$ 216,000	\$ 216,000	\$ 316,000	\$ 216,000	\$ 216,000	\$ 216,000	\$ 241,000	\$ 1,160,000	\$ 1,205,000	\$ 2,365,000
Buildings & Land	\$ 248,000	\$ 108,000	\$ 117,000	\$ 113,000	\$ 108,000	\$ 225,000	\$ 144,000	\$ 144,000	\$ 144,000	\$ 144,000	\$ 694,000	\$ 801,000	\$ 1,495,000
Fleet	\$ 610,000	\$ 626,000	\$ 641,000	\$ 657,000	\$ 674,000	\$ 690,000	\$ 708,000	\$ 725,000	\$ 708,000	\$ 708,000	\$ 3,208,000	\$ 3,539,000	\$ 6,747,000
Total Type 1 Expenditures	\$ 9,604,000	\$ 9,484,000	\$ 9,956,000	\$ 9,676,000	\$ 9,427,000	\$ 9,972,000	\$ 10,070,000	\$ 10,357,000	\$ 10,618,000	\$ 10,931,000	\$ 48,147,000	\$ 51,948,000	\$ 100,095,000
Type 2 - Rehabilitation & Expansion Projects (rate & bond funded)													
Rate Funded Type 2 Projects													
Information Technology	\$ 1,213,000	\$ 873,000	\$ 106,000	\$ 646,000	\$ 277,000	\$ 18,000	\$ 234,000	\$ -	\$ 63,000	\$ 450,000	\$ 3,115,000	\$ 765,000	\$ 3,880,000
	\$ -	\$ -	\$ -	\$ -	\$ 216,000	\$ -	\$ -	\$ -	\$ 63,000	\$ -	\$ 216,000	\$ 63,000	\$ 279,000
Subtotal - Rate Funded Projects	\$ 1,213,000	\$ 873,000	\$ 106,000	\$ 646,000	\$ 493,000	\$ 18,000	\$ 234,000	\$ -	\$ 126,000	\$ 450,000	\$ 3,331,000	\$ 828,000	\$ 4,159,000
Bond Eligible Type 2 Projects													
Source - Intake and Hayden Bridge	\$ 3,090,000	\$ 2,440,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,530,000	\$ -	\$ 5,530,000
Distribution - Pump Stations & Reservoirs	\$ 1,277,000	\$ 1,316,000	\$ 2,513,000	\$ 6,078,000	\$ 4,405,000	\$ 6,627,000	\$ 6,457,000	\$ 5,618,000	\$ 6,439,000	\$ 8,063,000	\$ 15,589,000	\$ 33,204,000	\$ 48,793,000
Distribution - Pipelines	\$ -	\$ 1,061,000	\$ 1,093,000	\$ 563,000	\$ 1,159,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,876,000	\$ -	\$ 3,876,000
											\$ -	\$ -	\$ -
Subtotal - Bond Eligible Projects	\$ 4,367,000	\$ 4,817,000	\$ 3,606,000	\$ 6,641,000	\$ 5,564,000	\$ 6,627,000	\$ 6,457,000	\$ 5,618,000	\$ 6,439,000	\$ 8,063,000	\$ 24,995,000	\$ 33,204,000	\$ 58,199,000
Total Type 2 Expenditures	\$ 5,580,000	\$ 5,690,000	\$ 3,712,000	\$ 7,287,000	\$ 6,057,000	\$ 6,645,000	\$ 6,691,000	\$ 5,618,000	\$ 6,565,000	\$ 8,513,000	\$ 28,326,000	\$ 34,032,000	\$ 62,358,000
Type 3 - Strategic Projects & Programs (bond funded)													
Alternative Water Supply	\$ 530,000	\$ 5,782,000	\$ 19,341,000	\$ 19,922,000	\$ 20,519,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 66,094,000	\$ -	\$ 66,094,000
Total Type 3 Expenditures	\$ 530,000	\$ 5,782,000	\$ 19,341,000	\$ 19,922,000	\$ 20,519,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 66,094,000	\$ -	\$ 66,094,000
Total Expenditures	\$ 15,714,000	\$ 20,956,000	\$ 33,009,000	\$ 36,885,000	\$ 36,003,000	\$ 16,617,000	\$ 16,761,000	\$ 15,975,000	\$ 17,183,000	\$ 19,444,000	\$ 142,567,000	\$ 85,980,000	\$ 228,547,000
Predicted YE Capital Reserve Bal. (Includes Bond Funds)	\$ 12,281,000	\$ 32,233,000	\$ 15,601,000	\$ 7,423,000	\$ 11,892,000	\$ 7,400,000	\$ 7,437,000	\$ 7,474,000	\$ 7,511,000	\$ 7,549,000			

¹ AWS Transfer in 2019 (\$7,400,000)