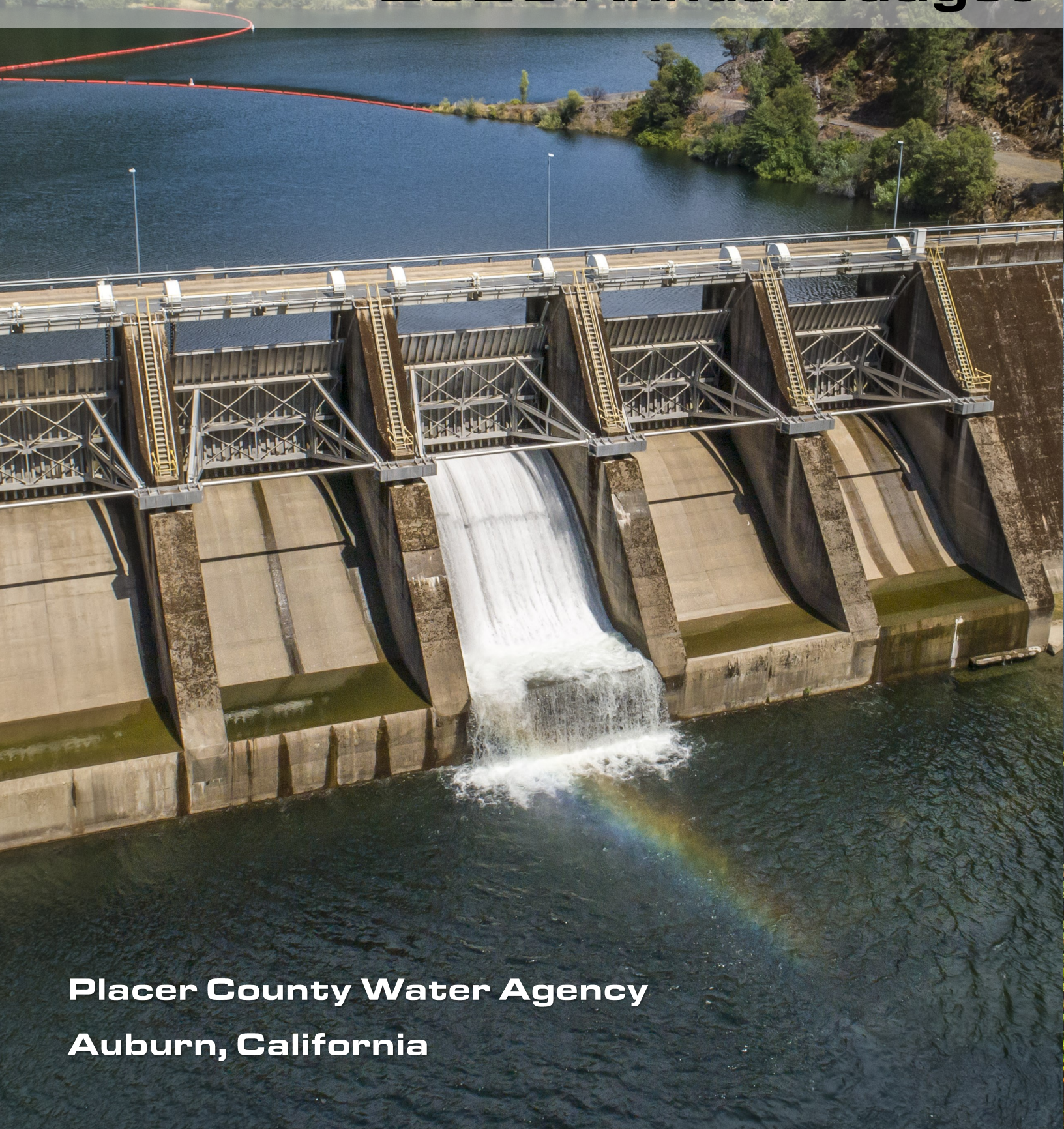




PCWA

2020 Annual Budget



**Placer County Water Agency
Auburn, California**

2020 Budget



**Placer County Water Agency
Auburn, California
www.pcwa.net**

**Prepared by the Department of Financial Services
Adopted October 17, 2019**



**PLACER COUNTY WATER AGENCY
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MEMORANDUM

DATE: October 17, 2019

TO: Chair and Members of the Board of Directors

FROM: Joseph H. Parker, CPA, Director of Financial Services

RE: **Transmittal for the Adopted 2020 Placer County Water Agency Budget**

Overview

2020 Combined All-Inclusive Expense Budget

The Adopted 2020 Placer County Water Agency (Agency) Budget totals \$104.6 million, which is comprised of:

| | |
|----------------------------|-----------------|
| • Agency Wide Operating | \$ 3.2 million |
| • Power Division Operating | 27.8 million |
| • Water Division Operating | 42.2 million |
| • Combined Capital | 31.4 million |
| | <hr/> |
| | \$104.6 million |
| | <hr/> |

Overall, the Adopted 2020 Combined Agency Budget of \$104.6 million is \$19.7 million less than the 2019 Adjusted Budget largely due to the decrease in capital project funding. The Combined Operating Budgets have increased \$4.7 million over the Adjusted 2019 Budget, which includes an increase of \$2.1 million from the Water Division, \$2.0 million from the Power Division and \$0.6 million from Agency Wide.

2020 Adopted Budget – Budget Unit Overview

Agency Wide

The 2020 Agency Wide Budget totals \$4.5 million, including \$3.2 million in operating and \$1.3 million in capital project funding. The revenue budget is increased \$293,000 or 8.5% over the 2019 Adjusted Budget, resulting from projected increases in property tax revenue and water sales.

The Operations Expense Budget is increased from the 2019 Adjusted Budget by a net amount of \$637,000 or 24.7% based on the following:

- General Manager's Office is increased \$10,500 attributed to an increase in labor and benefits netted with a decrease in membership dues.
- Administrative Services is decreased \$386,000, largely due to a reorganization mid-year 2019, in which the Information Technology Division was moved to Technical Services, accounting for a decrease of \$1.1 million in the Administrative Services 2020 budget. In conjunction with the decrease related to the Technology Division reorganization, the Administrative Services budget increased \$707,000, with notable budget increases for retiree health care funding and insurance costs, increases of \$236,000 and \$430,000, respectively. The significant increase in insurance costs reflects a \$155,000 increase in premiums due to recent losses experienced throughout the state, and \$275,000 for the workers' compensation excess policy premium, which impacted all funds in the 2019 labor and benefits budget and shifted entirely to the Agency Wide budget in 2020.
- Public Affairs is increased \$20,000 which is almost entirely for labor and benefits.
- Financial Services is increased \$9,000 attributed to a \$20,000 increase in labor and benefits offset by decreases in supplies and services for \$11,000. The Financial Assistance Program is increased \$20,000.
- Legal Services is increased \$2,500 almost entirely for labor and benefits.
- Strategic Affairs is increased \$69,000 which includes increases to labor and benefits of \$14,000, Cost Share Partnerships, including the American River Basin Study, totaling \$35,000, charges for outside legal services of \$35,000, and increases for consulting fees of \$25,000 related to the Bay-Delta voluntary agreements. These budget increases are netted with other decreases, notably \$40,000 in Federal and State lobbying costs.
- Energy Marketing is budgeting \$6,000 to focus on Strategic Affairs projects related to Water Rights.
- Technical Services is increased \$70,000 for contracted services related to Phase 2 of the Groundwater Bank and other consulting in support of small water systems.
- Information Technology, which became a division of Technical Services mid-year 2019, is increased \$1.3 million. This increase is largely due to the reorganization in which \$1.1 million of the 2019 adjusted budget is reflected as part of Administrative Services budget. As part of the reorganization, an IT Manager was added to staff and is reflected for a partial year in the 2019 Adjusted Budget for Information Technology. Increases to the department budget include labor and benefits increases of \$750,000,

software licensing increases of \$400,000, phone and internet services increases of \$60,000, as well as an increase of \$110,000 for contracted services, which is substantially related to assistance for cloud migration to Microsoft Exchange 365. The department's budgeted equipment repair costs decreased \$20,000.

- Agency Wide Routine Capital is decreased by \$112,500 as a result of a reduction in identified capital equipment needs for 2020.

These overall changes in the 2020 Agency Wide departmental operating budgets are shared through the service level support allocated by a detailed Cost Allocation Plan process whereby Power Division, Water Division and capital projects are appropriately allocated support costs totaling \$10.6 million.

Power Division

The 2020 Power Division Budget totals \$37.9 million including \$27.8 million in operating and \$10.1 million in capital project funding. The Power Division budget is funded by the Middle Fork Project Finance Authority appropriations, hence the Power Division revenue line is titled "MFPFA Appropriation" and consequently the Power Division budget revenue totals the combined 2020 operating and capital projects budgets. The reason that Power Division revenue is treated in this manner is pursuant to the Joint Powers Agreement between Placer County and the Agency, which specifies that the Middle Fork Project power sales are directed to and recognized by the Authority, not PCWA.

The Operations Expense Budget is increased from the 2019 Adjusted Budget by a net amount of \$2.0 million or 7.6% based on the following:

- Technical Services is increased \$1.1 million primarily for the costs associated with the anticipated early-2020 FERC license issuance and related required monitoring and studies totaling \$849,000. Additionally, the environmental budget increased \$120,000 for the weather modification services, and general consulting increased \$140,000 for on-call forestry services.
- Power System is increased \$420,000, attributed to an increase of \$108,000 in labor and benefits. In addition, consulting and other professional services increased \$783,000 for the Afterbay slope investigation, inundation maps, and a probable maximum flood study. General repair and maintenance costs for the Middle Fork Project are decreased \$475,000.
- Energy Marketing is increased \$46,000, which includes increases of \$37,000 for labor and benefits and \$29,000 for consulting and software associated with front-office operations. Membership dues and travel are decreased \$20,000.

- Strategic Affairs is increased \$166,000 which is mostly attributed to anticipated increases related to potential FERC license issuance legal matters.
- Financial Services is decreased \$190,000, related to a decrease in consulting required for the forward market program mid-office operations.
- Service Level Support is increased \$57,000.

Water Division

The 2020 Water Division Budget totals \$62.2 million, which is comprised of a \$42.2 million operating budget, \$13.3 million capital project budget, and \$6.7 million capital related debt service costs.

The Water Division is user charge based, which means those benefiting from the service pay the cost of that service. The Water Division does not receive property tax revenue. The 2020 Adopted Budget water sales revenue includes a 2.9% Consumer Price Index cost escalation increasing water sales revenue by \$1.5 million. This adjustment is part of the five year rate plan approved by the PCWA Board of Directors in 2017, for years 2018 – 2022, in which an annual increase is limited to the lower of the CPI-U increase or the actual cost of service increase and requires Board approval.

The Operations Expense Budget is increased from the 2019 Adjusted Budget by a net amount of \$2.1 million or 5.1% based on the following:

- Customer Services is decreased \$67,000, which includes a decrease in temporary labor and educational assistance totaling \$34,000 a decrease of \$27,000 in operating supplies for the meter replacement program, a net decrease totaling \$35,000 in operating and contracted services for legal, printing, and public relations, and a reduction of \$53,000 in the rebates program budget to be in line with recent use. These decreases are netted with an increase in labor and benefits of \$81,000.
- Field Services is increased \$916,000, largely due to an increase in labor and benefits, which include costs of \$230,000 for the addition of two new service workers, as well as other labor increases totaling \$196,000. The department budget also increased \$136,000 for contracted services related to paving and Auburn Ravine monitoring, increases in Department of Dam Safety fees and equipment rental totaling \$92,000, and anticipated meter inventory issues increasing \$145,000. In addition, purchased water increased a net \$118,000 primarily attributed to a CPI price increase in the PG&E contract.

- Technical Services is increased by \$439,000, largely due to increased labor and benefits costs totaling \$543,000, which includes an increase of \$111,000 for one new Water Quality Specialist. Additionally, the department's budget includes increases to operating services and supplies of \$128,000, including increases to equipment repair and chemicals for \$47,000 and \$15,000, respectively, as well as a \$30,000 increase to electricity costs for anticipated Pioneer rate structure changes. These increases are netted with a contracted services decrease of \$186,000, a variance resulting from an alignment of budgeted costs with historical trends.
- Service Level Support is increased \$230,000 as a result of review and adjustments to the cost allocation model that allocates service level support based on Agency Wide expense for support of the Water Division.
- Routine Capital is increased \$213,000 as a result of the computer replacement program and first year implementation of lockout-tagout software.

Capital Investment Program Budget – 2020 and Five Year (2020 – 2024)

The Agency's Five Year (2020 – 2024) Capital Investment Program (CIP) totals \$163.3 million and is comprised of the following: Agency Wide totals \$2.1 million, Power Division totals \$62.7 million and Water Division totals \$98.6 million. The Agency's CIP varies annually depending on the extent and magnitude of projects being implemented, such as the building of a water treatment plant, which will result in large capital outlays over several years.

The 2020 CIP totals \$24.7 million and is detailed as follows:

Agency Wide

The 2020 Agency Wide CIP Budget totals \$1.3 million with the largest projects being the American River Water Rights extension totaling \$335,000, and the Central Valley Project Water Supply Contract and Area Expansion, totaling \$300,000, and \$200,000, respectively. The Five Year CIP Budget includes on-going funding for the American River Water Rights Extension project which will prepare the required environmental documents to extend the horizon of perfecting the American River Water Rights to year 2043.

Power Division

The 2020 Power Division CIP Budget totals \$10.1 million with the largest project being the FERC Relicensing – Infrastructure Projects totaling \$2.5 million.

Several years prior to the end of the contract with PG&E in May 2013, the Agency focused on making betterments, improvements and modernizations to Middle Fork Project infrastructure. Although many of the planned upgrades have been accomplished, the upgrade project list grew and several upgrade projects are still planned in the next 5 years as evidenced by the Five Year CIP, which includes \$6.0 million in upgrade projects and \$15.2 million in maintenance projects. The largest upgrade and maintenance projects of the Five Year CIP are the Sediment Removal (\$6.5m), the French Meadows Powerhouse Reliability Upgrades (\$4.7m), and the Middle Fork Powerhouse Reliability Upgrades (\$3.1m).

Additionally, upon issuance of a new FERC license (expected January 2020) the Agency will be required to implement FERC enhancement projects based on the new license terms, which have an estimated cost of \$39.5 million. Because the FERC license is anticipated at the beginning of the year, the Power Division Five Year CIP includes a majority of these projects.

Water Division

The 2020 Water Division CIP Budget totals \$13.3 million which is comprised of \$2.4 million in expansion (WCC funded) capital projects and \$10.9 million in renewal, replacement and reliability (rate funded) capital projects.

The largest Five-Year CIP WCC funded capital projects are the Treated Water Transmission & Distribution Project and Treated Water Storage Project, totaling \$12.7 million and \$16 million, respectively, including \$2.3 million budgeted in 2020 for the design and construction of transmission infrastructure through the Bickford Ranch Development project, a Treated Water Transmission & Distribution Project.

In the 2020 CIP Budget, the largest renewal, replacement and reliability capital projects are Raw Water Transmission & Distribution Projects totaling \$5.5 million, with the largest project being construction of Hayford Siphon Phase 2 totaling \$3.2 million. Significant Five-Year CIP renewal, replacement and reliability projects include \$16 million for new plant construction for replacing the Colfax Water Treatment Plant, the Sunset Boulevard pipeline (\$4 million), and \$9 million towards costs related to continued gunite repair work at various locations throughout the system.

There continues to be a substantial demand to maintain water system infrastructure renewal, replacement, reliability and dependability needs. Emphasis is placed upon project prioritization and those areas where water use efficiency objectives can be achieved.

Staffing

Agency staffing changes in the Adopted 2020 Budget will enable the Agency to address priority areas such as additional mainline leaks and maintenance of aging water and infrastructure as well flushing of water lines for State compliance issues. The number of authorized fulltime equivalents (FTE) is increased by 3, with the addition of 2 Service Workers in Field Services and 1 Water Quality Specialist in the Drinking Water Operations Division within Technical Services, all within the Water Division.

The number of FTEs has increased from 224 to 230, or 2.7%, from 2017-2020. The following table shows the number of FTEs for this four-year period, as amended or adopted by Board actions:

| Department Division | 2017 Adjusted Budget | 2018 Adjusted Budget | 2019 Adjusted Budget | 2020 Adopted Budget |
|--|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|
| General Manager | 2 | 2 | 2 | 2 |
| Strategic Affairs | 2 | 2 | 2 | 2 |
| Legal Office | 1 | 1 | 1 | 1 |
| Administrative Services | 19.5 | 17.5 | 8.5 | 8.5 |
| <i>Human Resources & Payroll</i> | 9.5 | 8.5 | 8.5 | 8.5 |
| <i>Public Affairs</i> | 1 | 0 | 0 | 0 |
| <i>Information Technology</i> | 9 | 9 | 0 | 0 |
| Energy Marketing | 4 | 4 | 4 | 4 |
| Financial Services | 13.5 | 13.5 | 13.5 | 13.5 |
| <i>Accounting & Budget</i> | 10.5 | 9.5 | 9.5 | 9.5 |
| <i>Procurement & Contracts</i> | 2 | 3 | 3 | 3 |
| <i>Energy Risk Administration</i> | 1 | 1 | 1 | 1 |
| Customer Services | 31 | 33 | 33 | 33 |
| <i>Public Affairs</i> | 0 | 2 | 2 | 2 |
| <i>Customer Service</i> | 18 | 18 | 18 | 18 |
| <i>Water Efficiency</i> | 10 | 10 | 10 | 10 |
| <i>Facility Maintenance</i> | 3 | 3 | 3 | 3 |
| Field Services | 53 | 54 | 54 | 56 |
| <i>Treated & Untreated Water</i> | 44 | 45 | 45 | 47 |
| <i>Vehicle & Equipment Maintenance</i> | 4 | 4 | 4 | 4 |
| <i>Support</i> | 5 | 5 | 5 | 5 |
| Technical Services | 61 | 62 | 72 | 73 |
| <i>Engineering</i> | 26 | 27 | 27 | 27 |
| <i>Drinking Water Operations</i> | 35 | 35 | 35 | 36 |
| <i>Information Technology</i> | 0 | 0 | 10 | 10 |
| Power System* | 37 | 37 | 37 | 37 |
| Total Authorized FTE's: | 224 | 226 | 227 | 230 |
| Change From Previous Year | 2 | 2 | 1 | 3 |

*4 FTE's are authorized but not budgeted

- For 2017, the Board authorized the addition of a Facilities Maintenance Coordinator in the Facility Maintenance Division of Customer Services and the addition of an Office Assistant in the Information Services Division of Administrative Services.
- For 2018, the Board authorized the addition of a Geographical Information Systems Analyst in the Engineering Division of Technical Services and a Canal Operator in the Untreated Water Division of Field Services. In addition, the Public Affairs Division of Administrative Services was reorganized and transferred to the Customer Services Department along with one Multimedia Specialist from the Human Resources & Payroll Division of Administrative Services.
- During 2019, the Information Technology Division of Administrative Services was reorganized and transferred to the Technical Services Department. In addition, the Board authorized the addition of an Information Technology Manager in the Information Technology Division of Technical Services.

Labor and Benefits

Budgeted labor includes all compensation such as wages, salaries, cost of living adjustments, temporary labor and overtime. Benefits include the Agency's costs associated with retirement, health care, Social Security, and other programs such as disability, standby and other contractually negotiated benefits. As of January 1, 2020, the Agency will not pay for any of the employee share of retirement contributions.

Depending upon the work being performed, labor and benefits are allocated to either operations or capital. Typical duties performed by employees that charge to operations include pipeline system maintenance, meter maintenance, customer contact support, finance, human resources, information systems and treatment plant operations. Duties of employees that charge to capital include pipeline replacements, water treatment plant upgrades, Middle Fork Project Upgrades, engineering support and project management of capital projects. Because the capital investment program fluctuates annually, the allocation of labor to capital can fluctuate annually by Division and by Department.

The table below shows labor and benefits allocated between the operations and capital budgets. Of the total 2020 Agency Budget, approximately 94% of the Agency's labor and

benefits budget is attributable to operations, and the remaining 6% to capital. Total labor and benefits is increased 6.2% in 2020.

| Labor and Benefits by Operations and Capital | | | | |
|--|----------------------------|---------------------------|------------------|-------------|
| | 2019 Adjusted Budget | 2020 Adopted Budget | \$ Change | % Change |
| Agency Wide | \$ 7,106,067 | 7,857,652 | 751,585 | 10.6% |
| Power | 7,253,884 | 7,662,681 | 408,797 | 5.6% |
| Water | 18,632,814 | 19,927,766 | 1,294,952 | 6.9% |
| Capital | 2,403,733 | 2,138,999 | (264,734) | -11.0% |
| Grand Total | \$ 35,396,498 | 37,587,098 | 2,190,600 | 6.2% |

* * * * *

The 2020 Combined Budget is a team effort as each budget unit is built on the departmental staff level developed and compiled budgets. Each department utilizes a cost/benefit approach to develop their budget in an effort to minimize expenses and implement cost saving efficiencies while maintaining our high service levels.

Supplemental Information Relevant to the Adopted 2020 Budget

Budget Policy, Process and Format

The Agency’s Budget Policy, [Agency Rules and Regulations, Chapter 8, Article 2], sets forth the budget process and format. The operating budgets shall serve as a financial plan for the three budget units: Agency Wide, Power Division and Water Division. The Capital Investment Program (CIP) is presented by budget unit, in two configurations: annual and five year plans. These documents comprise the Agency’s Annual Budget.

Per Policy, annually the General Manager and Director of Financial Services will prepare or have prepared the Agency Budgets, which shall be recommended by the General Manager and Director of Financial Services to the Board of Directors no later than the first regular meeting in December of each year.

The Agency's annual budget process commences in the spring and concludes in the fall with the combined three budget unit Agency Budget considered by the Board. Historically, the Power Division budget follows an accelerated schedule to meet the timing established by the Middle Fork Project Finance Authority (Authority) for appropriating the funds for the Agency's Power Division needs.

Power Division Budget Process

The Power Division budget process commences in May as staff prepare a draft 2020 Power Division Budget for refinement in July, with a draft to the Finance Committee and Board in July or early August. A draft budget is provided to the County staff and in consultation of Placer County staff, refinements are made to the Power Division Budget, which is then incorporated in the Authority Budget. The Middle Fork Project Finance Authority Budget is considered by the Authority Board in mid-October, which provides the appropriation to the Power Division Budget.

Agency Wide and Water Division Budget Process

The Agency Wide and Water Division budget process commences in May with a current year budget performance assessment and initial discussion of the following year's budget. This is followed by various staff meetings to discuss the budgeting process, operating budget needs, potential new personnel positions, routine capital and project needs, rate setting and financial outlook.

Agency Finance Committee and Board Consideration

The Board's Finance Committee typically meets in the summer (June or July) to review the Budget Timeline and draft Power Division Budget. Then, depending on the needs of the Agency Wide and Water Division funds, various meetings may be held in the late summer and fall. Typically, the next year's Budget is ready for the Board's consideration sometime in October, November or early December.

In 2019, the Board's Finance Committee, consisting of Directors Alpine and Santini, met on June 20th to review the 2020 Budget Timeline, and the Proposed 2020 Power Division Budget. The Committee met again on August 21st and September 16th to discuss a Proposed 2020 Agency Wide and Water Division Budgets. Comments and suggestions from those meetings have been incorporated into the final budget document.

Annual Budget



Water Tank - Alta Water Treatment Plant

**Placer County Water Agency
2020 Combined All-Inclusive Expense Budget**

| | 2020 Adopted | | | Total |
|--|------------------------|---------------------------|---------------------------|--------------------|
| | Agency Wide | Power Division | Water Division | |
| Operating Expenses | | | | |
| Total Operating Expenses | \$ 3,217,973 | 27,819,305 | 42,195,278 | 73,232,556 |
| Capital Investment Program | | | | |
| Middle Fork Project Infrastructure Projects | - | 10,081,366 | - | 10,081,366 |
| Reserves Funded Projects | 1,305,000 | - | - | 1,305,000 |
| Rates Funded Projects | - | - | 10,920,000 | 10,920,000 |
| Expansion Projects | - | - | 2,400,000 | 2,400,000 |
| Project Debt Service Costs (Rates and Expansion) | - | - | 6,686,000 | 6,686,000 |
| Total Capital Investment Program | 1,305,000 | 10,081,366 | 20,006,000 | 31,392,366 |
| Total Expense Budget | \$ 4,522,973 | 37,900,671 | 62,201,278 | 104,624,922 |

**Placer County Water Agency
2020 Combining Budget Schedule**

| | 2020 Adopted | | | Combined Total |
|--|------------------|-------------------|-------------------|-------------------|
| | Agency Wide | Power Division | Water Division | |
| Revenue | | | | |
| Water Sales | \$ 1,336,300 | - | 53,380,000 | 54,716,300 |
| MFPFA Appropriation | - | 37,900,671 | - | 37,900,671 |
| Other Revenue | 2,410,000 | - | 2,929,000 | 5,339,000 |
| Total Revenue | 3,746,300 | 37,900,671 | 56,309,000 | 97,955,971 |
| Operations | | | | |
| Board of Directors | 225,936 | - | - | 225,936 |
| General Manager's Office | 714,012 | - | - | 714,012 |
| Administrative Services | 4,123,512 | 1,355,893 | - | 5,479,405 |
| Customer Services | 353,430 | - | 5,438,265 | 5,791,695 |
| Field Services | - | 5,000 | 13,476,806 | 13,481,806 |
| Financial Services | 2,216,255 | 1,409,884 | - | 3,626,139 |
| Financial Assistance Program | 185,000 | - | - | 185,000 |
| Legal Services | 114,364 | 91,588 | 91,588 | 297,540 |
| Power System | - | 14,134,915 | - | 14,134,915 |
| Energy Marketing | 6,412 | 1,645,742 | - | 1,652,154 |
| Strategic Affairs | 1,551,414 | 650,771 | - | 2,202,185 |
| Technical Services | 3,162,071 | 3,581,412 | 12,481,967 | 19,225,450 |
| Non-departmental Expenses | 826,700 | 1,049,300 | 2,964,000 | 4,840,000 |
| Service Level Support (Note 1) | (10,633,633) | 3,324,800 | 6,087,833 | (1,221,000) |
| Routine Capital | 372,500 | 570,000 | 1,654,819 | 2,597,319 |
| Total Operations | 3,217,973 | 27,819,305 | 42,195,278 | 73,232,556 |
| Capital Projects | | | | |
| Capital Investment Program Appropriation | 1,305,000 | 10,081,366 | 8,770,000 | 20,156,366 |
| Field Services Projects | - | - | 2,150,000 | 2,150,000 |
| Subtotal | 1,305,000 | 10,081,366 | 10,920,000 | 22,306,366 |
| Project Debt Service | - | - | 3,636,000 | 3,636,000 |
| Total Capital Uses (Note 2) | 1,305,000 | 10,081,366 | 14,556,000 | 25,942,366 |
| Summary | | | | |
| Total Revenue | 3,746,300 | 37,900,671 | 56,309,000 | 97,955,971 |
| Total Operations | 3,217,973 | 27,819,305 | 42,195,278 | 73,232,556 |
| Total Capital Projects | 1,305,000 | 10,081,366 | 14,556,000 | 25,942,366 |
| Revenue Under Expenses | (776,673) | - | (442,278) | (1,218,951) |
| (To) From Reserves | 776,673 | - | 442,278 | 1,218,951 |
| Net | \$ - | - | - | - |

Note 1 - Service Level Support - Based on the 2020 Cost Allocation Plan, \$10,633,633 of **service level support** is attributed to **operating** divisions (\$3,324,800 to the Power Division and \$6,087,833 to the Water Division) and \$1,221,000 is attributed to capital projects.

Note 2 - Water Connection Charge (WCC) funds are restricted, therefore, the **2020 Water Connection Charge Capital Projects and Debt Service** totaling \$5,450,000 are not included on this Combining Budget Schedule, and are shown separately on page 27. WCC Capital Projects and Debt Service are included on the Combined All-Inclusive Expense Budget on page 11.

Agency Wide



w a t e r • e n e r g y • s t e w a r d s h i p

Placer County Water Agency
Agency Wide
2020 Budget Schedule

| | 2019 Adjusted Budget | 2020 Adopted Budget |
|------------------------------------|-------------------------------------|------------------------------------|
| Revenue | | |
| Water Sales (Long-term Contracted) | \$ 1,200,000 | 1,336,300 |
| Interest Earnings | 500,000 | 450,000 |
| Property Tax | 1,000,000 | 1,200,000 |
| Rental Income | 643,000 | 690,000 |
| Other | 110,000 | 70,000 |
| Total Revenue | 3,453,000 | 3,746,300 |
| Operations | | |
| Board of Directors (Note 1) | 228,287 | 225,936 |
| General Manager's Office | 703,555 | 714,012 |
| Administrative Services (Note 2) | 4,509,690 | 4,123,512 |
| Customer Services - Public Affairs | 333,379 | 353,430 |
| Financial Services | 2,206,828 | 2,216,255 |
| Financial Assistance Program | 165,000 | 185,000 |
| Legal Services (Note 3) | 111,787 | 114,364 |
| Strategic Affairs | 1,482,843 | 1,551,414 |
| Energy Marketing (Note 4) | 9,589 | 6,412 |
| Technical Services - SGMA (Note 5) | 293,752 | 367,744 |
| Information Technology (Note 2) | 1,456,078 | 2,794,327 |
| Non-departmental Expenses | 685,864 | 826,700 |
| Service Level Support (Note 6) | (10,091,112) | (10,633,633) |
| Routine Capital | 485,000 | 372,500 |
| Total Operations | 2,580,540 | 3,217,973 |
| Capital Projects | | |
| Capital Investment Program | 1,335,000 | 1,305,000 |
| Total Capital Projects | 1,335,000 | 1,305,000 |
| Summary | | |
| Total Revenue | 3,453,000 | 3,746,300 |
| Total Operations | 2,580,540 | 3,217,973 |
| Total Capital Projects | 1,335,000 | 1,305,000 |
| Revenue Under Expenses | (462,540) | (776,673) |
| (To) From Reserves | 462,540 | 776,673 |
| Net | \$ - | - |

See Notes on following page.

Placer County Water Agency
Agency Wide
2020 Budget Schedule

Note References for Page 13

- Note 1 - Board of Directors** operating expense includes an annual budget for half of the biennial general election expenses estimated at \$140,000.
- Note 2 -** Information Technology Department was moved from **Administrative Services** to **Technical Services** during 2019. This mid-year reorganization results in a large variance between the 2019 adjusted budget and the 2020 budget which reflects an entire budget year.
- Note 3 -** The **Legal Services** Department was established by Board action on April 24, 2016, and staffed with one attorney in July 2016, who directs, plans, and organizes an array of legal functions, as well as provides comprehensive representation for the Agency on a variety of legal and strategic matters. Labor and benefits are budgeted one-third to each budget unit. Other operating expenses for Legal are budgeted 100% to Agency Wide and allocated annually through service level support.
- Note 4 -** For 2020, an **Energy Marketing** staff person will assist with Strategic Affairs projects related to Long Term Water Rights and Water Supply contracts.
- Note 5 - Technical Services - SGMA** operating expense is in support of the Agency's involvement in groundwater stewardship county wide. Specifically, the Agency has supported groundwater management plans in two basins: 1) the Martis Valley Basin and 2) the North American Sub-basin to the Sacramento Valley. These plans will evolve to comply with the Sustainable Groundwater Management Act (SGMA) of 2014.
- Note 6 - Service Level Support** is allocated to benefiting budget units and recovers the Agency's indirect costs that support the Agency Wide, Power and Water Divisions which cannot be directly attributed to individual projects, departments or activities. The Agency utilizes a comprehensive Cost Allocation program which uses allocation factors to spread the indirect costs to the budget units. Based on the 2020 Cost Allocation Plan, \$9,412,633 of service level support is attributed to operating divisions and \$1,221,000 is attributed to capital projects as follows:

| | 2019 Adjusted Budget | 2020 Adopted Budget |
|-------------------------------|-------------------------------------|------------------------------------|
| Service Level Support: | | |
| Power Division (Operations) | \$ (3,267,387) | (3,324,800) |
| Water Division (Operations) | (5,857,725) | (6,087,833) |
| Capital Projects | (966,000) | (1,221,000) |
| | \$ (10,091,112) | (10,633,633) |

Placer County Water Agency
Agency Wide
Statement of Expenses by Department and Category
2020 Budget Schedule

| Operating Expenses | 2019 Adjusted Budget | 2020 Adopted Budget |
|---|-------------------------------------|------------------------------------|
| Expenses by Department: | | |
| Board of Directors | \$ 228,287 | 225,936 |
| General Manager's Office | 703,555 | 714,012 |
| Administrative Services | 4,509,690 | 4,123,512 |
| Customer Services - Public Affairs | 333,379 | 353,430 |
| Financial Services | 2,206,828 | 2,216,255 |
| Financial Assistance Program | 165,000 | 185,000 |
| Legal Services | 111,787 | 114,364 |
| Strategic Affairs | 1,482,843 | 1,551,414 |
| Energy Marketing | 9,589 | 6,412 |
| Technical Services | 1,749,830 | 3,162,071 |
| Non-departmental Expenses (Note 1) | 685,864 | 826,700 |
| Service Level Support | (10,091,112) | (10,633,633) |
| Routine Capital | 485,000 | 372,500 |
| Total Departmental Expenses | \$ 2,580,540 | 3,217,973 |
| Expenses by Category: | | |
| Personnel Services (Salary & Benefits) | \$ 7,106,067 | 7,857,652 |
| Operating Supplies | 219,225 | 178,050 |
| Operating Services | 1,719,860 | 1,713,600 |
| Insurance (Note 2) | 580,000 | 1,010,050 |
| Contracted Services | 2,396,500 | 2,534,754 |
| Financial Assistance Program | 165,000 | 185,000 |
| Service Level Support | (10,091,112) | (10,633,633) |
| Routine Capital | 485,000 | 372,500 |
| Total Expenses by Category | \$ 2,580,540 | 3,217,973 |

Note 1 - Non-departmental Expenses include benefit payments previously included within the Department Budgets.

| Non-departmental Expenses | 2019 | 2020 |
|---|-------------------|----------------|
| Other Post Employment Benefits (Retiree Health) Pre-Funding | \$ 148,544 | 144,000 |
| CalPERS Unfunded Actuarial Liability Required Contribution | 438,719 | 587,700 |
| CalPERS Unfunded Actuarial Liability Discretionary Contribution | 82,118 | 90,000 |
| Workers' Compensation Claim Allowance | 16,483 | 5,000 |
| | \$ 685,864 | 826,700 |

Note 2 - Insurance for Agency Wide and Water Division is budgeted in Agency Wide and allocated through Service Level Support. Insurance for the Power Division is budgeted directly in the Power Division budget.

Placer County Water Agency
Agency Wide
Statement of Revenues, Expenses and Changes in Net Position - Actual and Budget
[Financial Statement Format]
Years 2015 - 2020

| | Audited 2015 | Audited 2016 | Audited 2017 | Audited 2018 | Adjusted 2019 Budget | 2020 Adopted Budget |
|-------------------------------------|--------------------|--------------------|--------------------|-------------------|----------------------------|---------------------------|
| Operating Revenue: | | | | | | |
| Water Sales (Long-term Contracted) | 1,017,430 | 1,250,787 | 1,345,747 | 1,151,413 | 1,200,000 | 1,336,300 |
| Other | 186,241 | 122,817 | 75,529 | 31,264 | 67,313 | 60,000 |
| Total Operating Revenue | 1,203,671 | 1,373,604 | 1,421,276 | 1,182,677 | 1,267,313 | 1,396,300 |
| Operating Expenses: | | | | | | |
| General and Administrative (Note 1) | 1,780,862 | 2,510,524 | 1,795,452 | 1,181,770 | 2,095,540 | 2,845,473 |
| Depreciation (Note 2) | 585,580 | 691,330 | 650,842 | 913,666 | - | - |
| Total Operating Expenses | 2,366,442 | 3,201,854 | 2,446,294 | 2,095,436 | 2,095,540 | 2,845,473 |
| Operating Income (Loss) | (1,162,771) | (1,828,250) | (1,025,018) | (912,759) | (828,228) | (1,449,173) |
| Non-Operating Revenue: | | | | | | |
| Water Sales (One-time) | 6,000,000 | - | - | - | - | - |
| Costs Recovered from Other Agencies | 103,350 | 66,294 | 257,673 | 78,431 | 42,688 | 74,000 |
| Interest Earnings | 178,093 | 269,526 | 410,305 | 545,015 | 500,000 | 450,000 |
| Property Taxes | 840,877 | 891,465 | 927,340 | 1,054,705 | 1,000,000 | 1,200,000 |
| Rental Income | 550,280 | 556,000 | 566,000 | 583,000 | 643,000 | 690,000 |
| Other | (79,023) | (37,383) | (72,363) | 101,771 | - | (64,000) |
| Total Non-Operating Revenue | 7,593,577 | 1,745,902 | 2,088,955 | 2,362,922 | 2,185,688 | 2,350,000 |
| Transfers (Note 3) | (10,411,313) | 237,377 | - | (720,380) | - | - |
| Net | (3,980,507) | 155,029 | 1,063,937 | 729,783 | 1,357,460 | 900,827 |
| Beginning Net Position | 49,973,285 | 40,645,960 | 40,800,989 | 41,864,926 | 37,384,749 | 38,742,209 |
| Restatement (Note 4) | (5,346,818) | - | - | (5,209,960) | - | - |
| Ending Net Position | 40,645,960 | 40,800,989 | 41,864,926 | 37,384,749 | 38,742,209 | 39,643,036 |

Note 1 - The General and Administrative operating expense budget does not include depreciation and excludes routine capital as these items are capitalized.

Note 2 - Depreciation - Included in the audited Financial Statement but it is not budgeted because it is not a cash outlay.

Note 3 - Transfers - In 2015, \$4.7 million was transferred to the Water Division to realign funding for previously spent water funds and drought support, and \$5.8 million was transferred to the Power Division to eliminate an interfund loan for prior years service level support.

Note 4 - Net Position Restatement - In 2015, with the implementation of GASB 68, the unfunded pension liability is reported on the Statement of Net Position, resulting in a prior period adjustment to net position. GASB 68 affects the reporting and accounting presentation of the Agency's pension liability. In 2018, with the implementation of GASB 75, the unfunded other post-employment benefits liability is reported on the Statement of Net Position, resulting in a prior period adjustment to net position. Prior to the issuance of these statements, and in accordance with existing GASB standards, these liabilities were previously disclosed in the Notes to Financial Statements.

Placer County Water Agency
Agency Wide
Reserves
2020 Budget Schedule

| | 2019 | | 2020 Adopted Sources (Uses) | 2020 Year-end Estimated Balance |
|--|------------------------------------|---|-----------------------------------|---------------------------------------|
| | Year Ended December 31, 2018 | Budget Sources/ (Uses) CY Board Approved/to be Approved Uses | | |
| Operating Reserve: | | | | |
| Contingencies | \$ 1,724,441 | (100,000) | | 1,624,441 |
| Operational | 886,586 | 902,460 | 598,327 | 2,387,373 |
| General Elections (Note 1) | 65,000 | 70,000 | (70,000) | 65,000 |
| Total Operating Reserve | 2,676,027 | 972,460 | 528,327 | 4,076,814 |
| Capital Reserve: | | | | |
| Routine Capital Replacement | 348,835 | | | 348,835 |
| Administration Building Maintenance and Improvements | 1,217,687 | (100,000) | (340,000) | 777,687 |
| Total Capital Reserve | 1,566,522 | (100,000) | (340,000) | 1,126,522 |
| Liabilities Reserve: | | | | |
| Compensated Absences (current portion) | 1,000,513 | | | 1,000,513 |
| Total Liabilities Reserve | 1,000,513 | - | - | 1,000,513 |
| Specific Activities, Programs and Special Projects Reserve: | | | | |
| Water Entitlements/Water Rights Permit Extension | 2,822,532 | (1,060,000) | (835,000) | 927,532 |
| Financial Assistance Program | 58,983 | | | 58,983 |
| County Wide Master Plan | 557,138 | | | 557,138 |
| Security Upgrades | 260,888 | | | 260,888 |
| Legal Defense | 2,580,868 | | | 2,580,868 |
| Next Generation ERP System | 232,913 | | | 232,913 |
| Stewardship Matters | 563,162 | (175,000) | | 563,162 |
| Regional Reliability Program | 3,849,934 | | (130,000) | 3,544,934 |
| Catastrophic Event | 423,848 | | | 423,848 |
| Total Specific Activities, Programs and Special Projects Reserve | 11,350,266 | (1,235,000) | (965,000) | 9,150,266 |
| Total Agency Wide Reserves | \$ 16,593,328 | (362,540) | (776,673) | 15,354,115 |

Note 1 - Operational Designation for General Election - This account was added in 2009 to provide annual budgeting for the biennial election costs.

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Power Division



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Placer County Water Agency
Power Division
2020 Budget Schedule

| | 2019 Adjusted Budget | 2020 Adopted Budget |
|------------------------------------|----------------------------|---------------------------|
| Revenue | | |
| MFPFA Appropriation (Note 1) | \$ 45,283,853 | 37,900,671 |
| Total Revenue | 45,283,853 | 37,900,671 |
| Operations | | |
| Administrative Services | 1,121,500 | 1,355,893 |
| Field Services | 4,589 | 5,000 |
| Financial Services | 1,600,517 | 1,409,884 |
| Legal Services | 87,961 | 91,588 |
| Power System | 13,714,757 | 14,134,915 |
| Energy Marketing | 1,599,388 | 1,645,742 |
| Strategic Affairs | 484,710 | 650,771 |
| Technical Services | 2,475,586 | 3,581,412 |
| Non-departmental Expenses (Note 2) | 786,658 | 1,049,300 |
| Service Level Support | 3,267,387 | 3,324,800 |
| Routine Capital | 716,800 | 570,000 |
| Total Operations | 25,859,853 | 27,819,305 |
| Capital Projects | | |
| Capital Investment Program | 19,424,000 | 10,081,366 |
| Total Capital Projects | 19,424,000 | 10,081,366 |
| Summary | | |
| Total Revenue | 45,283,853 | 37,900,671 |
| Total Operations | 25,859,853 | 27,819,305 |
| Total Capital Projects | 19,424,000 | 10,081,366 |
| Revenue Under Expenses | - | - |
| (To) From Reserves (Note 3) | - | - |
| Net | \$ - | - |

Note 1 - MFPFA Appropriation, the budgeted amount varies based on the annual operating and capital projects budgets. The Power Division budget includes MFPFA appropriations as revenue, because pursuant to the Joint Powers Agreement between the County and the Agency, the Middle Fork Project power sales are directed to and realized by the Authority. Additional appropriations approved during the year to increase the Capital Projects budget also increases the Revenue budget.

Note 2 - Non-departmental Expenses include benefit payments previously included within the Department Budgets. These expenses have been adjusted out of the Departments 2019 Adjusted Budget for presentation purposes only.

| <u>Non-departmental Expenses</u> | 2019 | 2020 |
|---|-------------------|------------------|
| Other Post Employment Benefits (Retiree Health) Pre-Funding | \$ 160,225 | 171,000 |
| CalPERS Unfunded Actuarial Liability Required Contribution | 473,220 | 718,300 |
| CalPERS Unfunded Actuarial Liability Discretionary Contribution | 88,576 | 110,000 |
| Workers' Compensation Claim Allowance | 64,637 | 50,000 |
| | <u>\$ 786,658</u> | <u>1,049,300</u> |

Note 3 - Per Authority Policy, the **Reserves** for the Middle Fork Project are held by the MFPFA not the Agency, hence, no reserves are held by the Agency or presented in the Agency's Budget. The Authority's reserve amount held by MFPFA at December 31, 2018 totaled \$45.1 million.

Placer County Water Agency
Power Division
Statement of Expenses by Department and Category
2020 Budget Schedule

| Operating Expenses | 2019 Adjusted Budget | 2020 Adopted Budget |
|--|-------------------------------------|------------------------------------|
| Expenses by Department: | | |
| Administrative Services (Note 1) | 1,121,500 | 1,355,893 |
| Field Services | 4,589 | 5,000 |
| Financial Services (Note 2) | 1,600,517 | 1,409,884 |
| Legal Services | 87,961 | 91,588 |
| Power System | 13,714,757 | 14,134,915 |
| Energy Marketing | 1,599,388 | 1,645,742 |
| Strategic Affairs | 484,710 | 650,771 |
| Technical Services | 2,475,586 | 3,581,412 |
| Non-departmental Expenses | 786,658 | 1,049,300 |
| Service Level Support | 3,267,387 | 3,324,800 |
| Routine Capital | 716,800 | 570,000 |
| Total Departmental Expenses | \$ 25,859,853 | 27,819,305 |
| Expenses by Category: | | |
| Personnel Services (Salary & Benefits) | \$ 7,253,884 | 7,662,681 |
| Operating Supplies | 894,879 | 941,650 |
| Operating Services | 4,324,540 | 3,761,550 |
| Insurance | 1,025,000 | 1,355,893 |
| Contracted Services | 3,252,363 | 4,188,531 |
| Cost Share Partnerships (Note 3) | 3,420,000 | 3,460,000 |
| FERC License Condition Implementation | 1,705,000 | 2,554,200 |
| Service Level Support | 3,267,387 | 3,324,800 |
| Routine Capital | 716,800 | 570,000 |
| Total Expenses by Category | \$ 25,859,853 | 27,819,305 |

Note 1 - The **Administrative Services** budget is comprised of insurance which is a direct expense.

Note 2 - The **Financial Services** budget is comprised primarily of cost share partnerships, and middle and back office support functions which are direct expenses.

Note 3 - Cost Share Partnerships

| | 2020 |
|--------------------------------------|----------------------------|
| US Forest Service: | |
| Operations and Maintenance | \$ 510,000 |
| Heavy Maintenance | 80,000 |
| Technical Services | 80,000 |
| Subtotal US Forest Service | <u>670,000</u> |
| Bureau of Land Management | 270,000 |
| Bureau of Reclamation | 195,000 |
| Placer County: | |
| Public Safety | 898,000 |
| Public Accessibility | 587,000 |
| Impact on County Revenues | 340,000 |
| Administration | 500,000 |
| Subtotal Placer County | <u>2,325,000</u> |
| Total Cost Share Partnerships | <u>\$ 3,460,000</u> |

All **Cost Share Partnerships** expenses are budgeted in the Power System budget with the exception of Impact on County Revenues and Administration which is included in the Financial Services budget.

Placer County Water Agency
Power Division
Statement of Revenues, Expenses and Changes in Net Position - Actual and Budget
[Financial Statement Format]
Years 2015 - 2020

| | Audited 2015 | Audited 2016 | Audited 2017 | Audited 2018 | Adjusted 2019 Budget | 2020 Adopted Budget |
|--|--------------------|--------------------|--------------------|--------------------|----------------------------|---------------------------|
| Revenue: | | | | | | |
| Power Sales (MFPFA Appropriation) (Note 1) | 25,581,655 | 22,707,961 | 27,342,238 | 35,460,053 | 45,283,853 | 37,900,671 |
| Total Revenue | 25,581,655 | 22,707,961 | 27,342,238 | 35,460,053 | 45,283,853 | 37,900,671 |
| Operating Expenses: | | | | | | |
| Electrical Operations & Maintenance | 4,617,074 | 5,544,265 | 9,064,042 | 10,625,383 | 8,067,815 | 7,789,478 |
| Recreation | 2,260,185 | 2,008,730 | 2,038,338 | 2,182,171 | 2,588,000 | 2,620,000 |
| Technical Services | 1,661,074 | 809,379 | 618,022 | 563,015 | 2,475,586 | 3,581,412 |
| Power General and Administrative | 4,277,526 | 4,199,436 | 3,792,880 | 3,858,767 | 3,850,189 | 4,779,737 |
| Administrative Services | 867,616 | 777,811 | 694,175 | 876,657 | 1,121,500 | 1,355,893 |
| Financial Services | 736,553 | 800,731 | 1,142,136 | 1,224,919 | 1,600,517 | 1,409,884 |
| Legal Services | - | 48,558 | 93,328 | 44,778 | 87,961 | 91,588 |
| Strategic Affairs | 28,352 | - | 44,587 | 296,547 | 484,710 | 650,771 |
| Energy Marketing | 1,792,614 | 1,678,070 | 1,454,704 | 1,377,515 | 1,599,388 | 1,645,742 |
| Service Level Support | 2,032,000 | 2,045,000 | 2,227,000 | 2,282,000 | 3,267,387 | 3,324,800 |
| Depreciation (Note 2) | 4,804,135 | 5,249,623 | 5,283,546 | 5,273,551 | - | - |
| Total Operating Expenses | 23,077,129 | 23,161,603 | 26,452,758 | 28,605,303 | 25,143,053 | 27,249,305 |
| Operating Income (Loss) | 2,504,526 | (453,642) | 889,480 | 6,854,750 | 20,140,800 | 10,651,366 |
| Non-Operating Revenue: | | | | | | |
| Interest Earnings and Other | 27,607 | 10,443 | 11,727 | 251,672 | - | - |
| Total Non-Operating Revenue: | 27,607 | 10,443 | 11,727 | 251,672 | - | - |
| Transfers (Note 3) | 5,934,077 | 32,121 | - | 613,074 | - | - |
| Net | 8,466,210 | (411,078) | 901,207 | 7,719,496 | 20,140,800 | 10,651,366 |
| Beginning Net Position | 166,537,309 | 168,468,519 | 168,057,441 | 168,958,648 | 175,644,330 | 195,785,130 |
| Restatement (Note 4) | (6,535,000) | - | - | (1,033,814) | - | - |
| Ending Net Position | 168,468,519 | 168,057,441 | 168,958,648 | 175,644,330 | 195,785,130 | 206,436,496 |

Note 1 - Power Sales - Since May 1, 2013, funds received from the sales of MFP power flow directly to MFPFA and the Agency's Power Division is funded by appropriation from MFPFA.

Note 2 - Depreciation - Included in the audited Financial Statement but it is not budgeted because it is not a cash outlay.

Note 3 - Transfers - In 2015, \$5.8 million was transferred from Agency Wide to the Power Division to eliminate an interfund loan for prior years service level support.

Note 4 - Net Position Restatement - In 2015, with the implementation of GASB 68, the unfunded pension liability is reported on the Statement of Net Position, resulting in a prior period adjustment to net position. GASB 68 affects the reporting and accounting presentation of the Agency's pension liability. In 2018, with the implementation of GASB 75, the unfunded other post-employment benefits liability is reported on the Statement of Net Position, resulting in a prior period adjustment to net position. Prior to the issuance of these statements, and in accordance with existing GASB standards, these liabilities were previously disclosed in the Notes to Financial Statements.

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Water Division



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Placer County Water Agency
Water Division
2020 Budget Schedule

| | 2019 Adjusted Budget | 2020 Adopted Budget |
|-------------------------------|-------------------------------------|------------------------------------|
| Revenue | | |
| Water Sales: | | |
| Commodity | \$ 21,930,000 | 22,566,000 |
| Fixed Charge | 16,091,000 | 16,557,000 |
| Renewal and Replacement | 13,855,000 | 14,257,000 |
| Total Water Sales | 51,876,000 | 53,380,000 |
| Other Revenue | 3,129,000 | 2,929,000 |
| Total Revenue | 55,005,000 | 56,309,000 |
| Operations | | |
| Customer Services | 5,505,384 | 5,438,265 |
| Legal Services | 87,961 | 91,588 |
| Field Services | 12,560,100 | 13,476,806 |
| Technical Services | 12,043,294 | 12,481,967 |
| Non-departmental Expenses | 2,643,841 | 2,964,000 |
| Service Level Support | 5,857,725 | 6,087,833 |
| Routine Capital | 1,441,557 | 1,654,819 |
| Total Operations | 40,139,862 | 42,195,278 |
| Capital Projects | | |
| Capital Investment Program | 15,850,000 | 8,770,000 |
| Field Services Projects | 2,320,000 | 2,150,000 |
| Project Debt Service | 3,642,000 | 3,636,000 |
| Total Capital Projects | 21,812,000 | 14,556,000 |
| Summary | | |
| Total Revenue | 55,005,000 | 56,309,000 |
| Total Operations | 40,139,862 | 42,195,278 |
| Total Capital Projects | 21,812,000 | 14,556,000 |
| Revenue Under Expenses | (6,946,862) | (442,278) |
| (To) From Reserves | 6,946,862 | 442,278 |
| Net | \$ - | - |

Placer County Water Agency
Water Division
2020 Revenue Budget Schedule

| | 2019 Adjusted Budget | 2020 Adopted Budget |
|--|----------------------------|---------------------------|
| Revenue | | |
| Water Sales - Treated Retail: | | |
| Commodity | \$ 16,110,000 | 16,577,000 |
| Fixed Charge | 12,030,000 | 12,379,000 |
| Renewal and Replacement Charge | 10,510,000 | 10,815,000 |
| Subtotal Water Sales - Treated Retail | 38,650,000 | 39,771,000 |
| Water Sales - Treated Resale: (Note 1) | | |
| Commodity | 1,670,000 | 1,718,000 |
| Fixed Charge | 3,840,000 | 3,951,000 |
| Renewal and Replacement Charge | 3,100,000 | 3,190,000 |
| Subtotal Water Sales - Treated Resale | 8,610,000 | 8,859,000 |
| Water Sales - Untreated: | | |
| Commodity | 3,850,000 | 3,962,000 |
| Resale Commodity (Note 2) | 300,000 | 309,000 |
| Fixed Charge | 221,000 | 227,000 |
| Renewal and Replacement Charge | 245,000 | 252,000 |
| Subtotal Water Sales - Untreated | 4,616,000 | 4,750,000 |
| Total Water Sales | 51,876,000 | 53,380,000 |
| Other Revenue: | | |
| Engineering Charges | 750,000 | 750,000 |
| Customer Service Charges | 850,000 | 850,000 |
| Contributions in Aid of Construction (Install Charges) | 139,000 | 139,000 |
| Interest Earnings (Operations Portion) | 750,000 | 750,000 |
| Interest Earnings (Capital Portion) | 150,000 | 150,000 |
| Grants | 300,000 | 100,000 |
| Other (Operating and Non-Operating) | 190,000 | 190,000 |
| Total Other Revenue | 3,129,000 | 2,929,000 |
| Total Revenue | \$ 55,005,000 | 56,309,000 |

Note 1 - Treated Water Resale and Industrial Customers

California American Water
City of Lincoln
Hidden Valley Community Association
Lakeview Hills Community Association
Willo-Glen Water Company

Note 2 - Untreated Water Resale Customers

Christian Valley Park Community Service District
Alpine Meadows Water Association
Dutch Flat Mutual Water
Heather Glen Community Service District
Meadow Vista County Water District
Weimar Water Company

Placer County Water Agency
Water Division
Statement of Expense by Department and Category
2020 Budget Schedule

| Operating Expenses | 2019 Adjusted Budget | 2020 Adopted Budget |
|--|-------------------------------------|------------------------------------|
| Expenses by Department: | | |
| Customer Services | \$ 5,505,384 | 5,438,265 |
| Legal Services | 87,961 | 91,588 |
| Field Services | 12,560,100 | 13,476,806 |
| Technical Services | 12,043,294 | 12,481,967 |
| Non-departmental Expenses (Note 1) | 2,643,841 | 2,964,000 |
| Service Level Support | 5,857,725 | 6,087,833 |
| Routine Capital | 1,441,557 | 1,654,819 |
| Total Departmental Expenses | \$ 40,139,862 | 42,195,278 |
| Expenses by Category: | | |
| Personnel Services (Salary & Benefits) | \$ 18,632,814 | 19,927,766 |
| Operating Supplies | 1,781,292 | 1,919,025 |
| Chemicals | 811,259 | 826,010 |
| Operating Services | 3,514,686 | 3,625,325 |
| Purchased Water | 4,464,000 | 4,582,000 |
| Electricity - MFP Water Pumping | 650,000 | 650,000 |
| Contracted Services | 2,986,529 | 2,922,500 |
| Service Level Support | 5,857,725 | 6,087,833 |
| Routine Capital | 1,441,557 | 1,654,819 |
| Total Expenses by Category | \$ 40,139,862 | 42,195,278 |

Note 1 - Non-departmental Expenses include benefit payments previously included within the Department Budgets.

| Non-departmental Expenses | 2019 | 2020 |
|---|---------------------|------------------|
| Other Post Employment Benefits (Retiree Health) Pre-Funding | \$ 534,633 | 585,000 |
| CalPERS Unfunded Actuarial Liability Required Contribution | 1,579,023 | 1,959,000 |
| CalPERS Unfunded Actuarial Liability Discretionary Contribution | 295,557 | 300,000 |
| Workers Compensation Claim Allowance | 234,628 | 120,000 |
| | \$ 2,643,841 | 2,964,000 |

Placer County Water Agency
Water Division
Rate Funded Projects
Five Year Projected Capital Sources and Uses

| | 2019 Adjusted Budget | 2020 Adopted Budget | 2021 Projected Budget | 2022 Projected Budget | 2023 Projected Budget | 2024 Projected Budget |
|---|----------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Estimated Reserve Funds Available for Use, January 1 | \$ 24,039,082 | 16,232,082 | 16,083,082 | 16,449,082 | 14,052,082 | 2,278,082 |
| Capital Sources: | | | | | | |
| Renewal & Replacement Charge Revenue (Note 1) | 13,855,000 | 14,257,000 | 14,542,000 | 14,833,000 | 15,130,000 | 15,433,000 |
| Interest | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 |
| Total Capital Sources | 14,005,000 | 14,407,000 | 14,692,000 | 14,983,000 | 15,280,000 | 15,583,000 |
| Capital Uses: | | | | | | |
| Rate Funded Projects - in Capital Plan 5-yr Budget (Note 2) | 18,170,000 | 10,920,000 | 10,694,000 | 13,776,000 | 23,477,000 | 8,200,000 |
| Debt Service (paid in January & June) | 3,642,000 | 3,636,000 | 3,632,000 | 3,604,000 | 3,577,000 | 2,655,000 |
| Total Capital Uses | 21,812,000 | 14,556,000 | 14,326,000 | 17,380,000 | 27,054,000 | 10,855,000 |
| Estimated Reserve Funds Available for Use, December 31 | \$ 16,232,082 | 16,083,082 | 16,449,082 | 14,052,082 | 2,278,082 | 7,006,082 |

General Note - The Agency's practice is to maintain approximately \$5 million in this Renewal and Replacement reserve fund.
Note 1 - **Renewal & Replacement Charge Revenue** in years 2021 - 2024 is projected to increase 2% per year.
Note 2 - For 2020, \$100,000 of Grant Funding is budgeted for capital projects and is included in this amount yet does not affect the reserves used herein.

Placer County Water Agency
Water Division
Water Connection Charge (WCC) - Restricted
2020 Budget Schedule

| Cash and Investments Balance - Beginning of Year | |
|---|----------------------|
| | 2019 |
| Total WCC Balance (Restricted) | \$ 52,424,601 |
| Less: Rate Stabilization Reserve | 6,075,000 |
| Less: Projects Funded (amount available in construction fund) | 11,492,993 |
| Estimated Funds Available for Use, January 1 | \$ 34,856,608 |

| Budget | | |
|--|-------------------------------------|------------------------------------|
| | 2019 Adjusted Budget | 2020 Adopted Budget |
| Estimated Funds Available for Use, January 1 | \$ 34,856,608 | 27,705,608 |
| Capital Sources: | | |
| Water Connection Charge Revenue | 6,000,000 | 6,000,000 |
| Total Capital Sources | 6,000,000 | 6,000,000 |
| Capital Uses - Appropriations: | | |
| Capital Investment Program Appropriation | 10,080,000 | 2,400,000 |
| Debt Service (paid in January & June) | 3,071,000 | 3,050,000 |
| Total Capital Uses | 13,151,000 | 5,450,000 |
| Estimated Funds Available for Use, December 31 | \$ 27,705,608 | 28,255,608 |
| <i>Estimated Equivalent Dwelling Units (EDUs) paid</i> | 310 | 310 |
| Water Connection Charge Debt Outstanding (at January 1) | \$ 36,410,575 | 34,942,750 |

Placer County Water Agency
Water Division
Water Connection Charge (WCC) - Restricted
Five Year Projected Capital and Resource Needs

| Budget | | | | | | | | |
|--|----------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--|--|
| | 2019 Adjusted Budget | 2020 Adopted Budget | 2021 Projected Budget | 2022 Projected Budget | 2023 Projected Budget | 2024 Projected Budget | | |
| Estimated Funds Available for Use, January 1 | \$ 34,856,608 | 27,705,608 | 28,255,608 | 25,740,608 | 16,530,608 | 8,017,608 | | |
| Capital Sources: | | | | | | | | |
| Water Connection Charge Revenue | 6,000,000 | 6,000,000 | 6,000,000 | 6,000,000 | 6,000,000 | 6,000,000 | | |
| Total Capital Sources | 6,000,000 | 6,000,000 | 6,000,000 | 6,000,000 | 6,000,000 | 6,000,000 | | |
| Capital Uses: | | | | | | | | |
| Capital Investment Program Appropriation | 10,080,000 | 2,400,000 | 5,451,000 | 12,159,000 | 11,463,000 | 65,000 | | |
| Debt Service (paid in January & June) | 3,071,000 | 3,050,000 | 3,064,000 | 3,051,000 | 3,050,000 | 4,126,000 | | |
| Total Capital Uses | 13,151,000 | 5,450,000 | 8,515,000 | 15,210,000 | 14,513,000 | 4,191,000 | | |
| Estimated Funds Available for Use, December 31 | \$ 27,705,608 | 28,255,608 | 25,740,608 | 16,530,608 | 8,017,608 | 9,826,608 | | |
| <i>Estimated Equivalent Dwelling Units (EDUs) paid</i> | 310 | 310 | 310 | 310 | 310 | 310 | | |

Placer County Water Agency
Water Division
Statement of Revenues, Expenses and Changes in Net Position - Actual and Budget
[Financial Statement Format] Years 2015 - 2020

| | Audited 2015 | Audited 2016 | Audited 2017 | Audited 2018 | Adjusted 2019 Budget | 2020 Adopted Budget |
|---|--------------------|--------------------|--------------------|--------------------|----------------------------|---------------------------|
| Operating Revenue: | | | | | | |
| Water Sales | 41,687,583 | 44,914,252 | 47,447,458 | 50,884,451 | 51,876,000 | 53,380,000 |
| Engineering Charges | 814,238 | 855,627 | 668,978 | 820,177 | 750,000 | 750,000 |
| Customer Service Charges | 774,312 | 800,798 | 816,204 | 849,742 | 850,000 | 850,000 |
| Other Revenue | 14,900 | 120,944 | 149,487 | 151,482 | 190,000 | 190,000 |
| Total Operating Revenue | 43,291,033 | 46,691,621 | 49,082,127 | 52,705,852 | 53,666,000 | 55,170,000 |
| Operating Expenses: | | | | | | |
| Purchased Water | 3,054,297 | 3,962,985 | 3,852,247 | 4,255,328 | 4,464,000 | 4,582,000 |
| Water Treatment | 7,340,537 | 7,566,013 | 7,676,652 | 8,001,420 | 8,169,372 | 8,449,013 |
| Pumping Plants & Wells | 2,567,327 | 586,127 | 587,642 | 747,766 | 650,000 | 650,000 |
| Transmission and Distribution: | | | | | | |
| Treated Water | 2,840,337 | 2,724,957 | 3,018,125 | 3,370,479 | 2,757,625 | 3,429,347 |
| Untreated Water | 3,874,436 | 4,362,632 | 4,976,695 | 3,916,654 | 3,607,563 | 3,627,938 |
| Field Administration | 1,120,004 | 1,298,698 | 1,279,894 | 1,149,458 | 859,709 | 910,365 |
| Customer Service and Collection | 4,455,896 | 3,986,300 | 4,960,988 | 3,893,793 | 4,360,041 | 4,258,461 |
| Automotive & Equipment | 969,403 | 912,549 | 971,032 | 1,040,425 | 871,203 | 927,156 |
| Engineering | 3,851,538 | 6,038,257 | 4,515,102 | 4,547,231 | 3,223,922 | 3,382,954 |
| General and Administrative | 5,153,840 | 5,996,139 | 6,469,435 | 6,582,843 | 9,734,870 | 10,323,225 |
| Subtotal Operating Expenses | 35,227,615 | 37,434,657 | 38,307,812 | 37,505,397 | 38,698,305 | 40,540,459 |
| Depreciation (Note 1) | 17,947,426 | 17,723,339 | 18,066,828 | 18,471,176 | - | - |
| Total Operating Expenses | 53,175,041 | 55,157,996 | 56,374,640 | 55,976,573 | 38,698,305 | 40,540,459 |
| Operating Income (Loss) (Note 1) | (9,884,008) | (8,466,375) | (7,292,513) | (3,270,721) | 14,967,695 | 14,629,541 |
| Non-Operating Revenue: | | | | | | |
| Contributions in Aid of Construction | 555,790 | 340,679 | 239,048 | 210,346 | 139,000 | 139,000 |
| Water Connection Charge | 24,996,971 | 11,824,165 | 7,795,975 | 10,385,103 | 6,000,000 | 6,000,000 |
| Interest Earnings | 888,896 | 1,110,082 | 1,426,327 | 2,184,380 | 750,000 | 750,000 |
| Assessments | 9,250 | 12,592 | 12,039 | 7,480 | - | - |
| Gain (Loss) on Disposal of Assets | (23,707,338) | 1,618 | (6,616,175) | 173,689 | - | - |
| Grant | 2,608,023 | 958,438 | 824,868 | 1,083,608 | 300,000 | 100,000 |
| Other | (6,127,229) | 1,074,831 | 576,518 | 421,180 | - | - |
| Total Non-Operating Revenue | (775,637) | 15,322,405 | 4,258,600 | 14,465,786 | 7,189,000 | 6,989,000 |
| Non-Operating Expenses: | | | | | | |
| Interest Expense | 2,218,592 | 3,042,891 | 2,571,287 | 2,560,431 | 2,654,478 | 2,476,238 |
| Total Non-Operating Expenses | 2,218,592 | 3,042,891 | 2,571,287 | 2,560,431 | 2,654,478 | 2,476,238 |
| Contributed Capital | 7,221,675 | 7,018,306 | 532,360 | 3,543,879 | - | - |
| Transfers | 4,477,236 | (269,498) | - | 107,306 | - | - |
| Net | (1,179,326) | 10,561,947 | (5,072,840) | 12,285,819 | 19,502,217 | 19,142,303 |
| Beginning Net Position | 493,366,222 | 474,364,170 | 484,926,117 | 479,853,277 | 489,698,584 | 509,200,801 |
| Restatement (Note 2) | (17,822,726) | - | - | (2,440,512) | - | - |
| Ending Net Position | 474,364,170 | 484,926,117 | 479,853,277 | 489,698,584 | 509,200,801 | 528,343,104 |

See Notes on following page.

Placer County Water Agency
Water Division
Statement of Revenues, Expenses and Changes in Net Position - Actual and Budget
[Financial Statement Format]
Years 2015 - 2020

Note References for Page 29

General On November 7, 2013, the Agency and Northstar Community Services District (NCSD) executed a Memorandum of Understanding for annexation for water services of the Agency's Eastern Water System and on July 8, 2015 the Placer Local Agency Formation Commission (LAFCO) approved the annexation. The effective date of the transfer to NCSD is October 1, 2015. Therefore, in this financial statement format, 2015 includes the Agency's Western and Eastern Water Systems and years 2016 to 2020 do not include the Eastern Water System, which is approximately 2% of the total Water Division.

Note 1 - Depreciation - Included in the audited Financial Statement but it is not budgeted because it is not a cash outlay.

Note 2 - Net Position Restatement - In 2015, with the implementation of GASB 68, the unfunded pension liability is reported on the Statement of Net Position, resulting in a prior period adjustment to net position. GASB 68 affects the reporting and accounting presentation of the Agency's pension liability. In 2018, with the implementation of GASB 75, the unfunded other post-employment benefits liability is reported on the Statement of Net Position, resulting in a prior period adjustment to net position. Prior to the issuance of these statements, and in accordance with existing GASB standards, these liabilities were previously disclosed in the Notes to Financial Statements.

Placer County Water Agency
Water Division
Reserves
2020 Budget Schedule

| | Year Ended December 31, 2018 | Surplus Proceeds 2019 | 2019 Activity | | 2019 Year-end Estimated Balance | 2020 Adopted Sources/(Uses) | 2020 Year-end Estimated Balance |
|--|------------------------------|-----------------------|-------------------------------|--|---------------------------------|-----------------------------|---------------------------------|
| | | | Revised Budget Sources/(Uses) | CY Board Approved/ to be Approved Sources/(Uses) | | | |
| Operating Reserve: | | | | | | | |
| Contingencies | \$ 1,612,921 | | (50,000) | 1,562,921 | | 1,562,921 | |
| Operational | 4,943,227 | 610,138 | | 5,553,365 | (393,278) | 5,160,087 | |
| Revenue Volatility (Note 1) | 4,567,455 | | | 4,567,455 | | 4,567,455 | |
| Energy Volatility (for pumping purposes) | 2,515,821 | | | 2,515,821 | | 2,515,821 | |
| Total Operating Reserve | 13,639,424 | - | (50,000) | 14,199,562 | (393,278) | 13,806,284 | |
| Capital Reserve: | | | | | | | |
| Building and Facilities Maintenance and Improvements | 769,829 | | | 769,829 | | 769,829 | |
| System Replacement and Improvements | 9,103,663 | | | 9,103,663 | | 9,103,663 | |
| Vehicles, Equipment and Other Routine Capital Replacement | 2,473,933 | | | 2,473,933 | | 2,473,933 | |
| Revolving Grant Matching Funds (Note 2) | 568,472 | | | 568,472 | | 568,472 | |
| Renewal and Replacement Projects | 24,039,082 | (7,107,000) | | 16,932,082 | (49,000) | 16,883,082 | |
| Total Capital Reserve | 36,954,979 | - | (7,107,000) | 29,847,979 | (49,000) | 29,798,979 | |
| Liabilities Reserve: | | | | | | | |
| Compensated Absences (current portion) | 2,068,206 | | | 2,068,206 | | 2,068,206 | |
| Risk Management Claim Liability/Deductible | 334,511 | | | 334,511 | | 334,511 | |
| Pension Liability | 700,360 | | | 700,360 | | 700,360 | |
| Total Liabilities Reserve | 3,103,077 | - | - | 3,103,077 | - | 3,103,077 | |
| Specific Activities, Programs and Special Projects Reserve: | | | | | | | |
| Service Center - Corporation Yard | 4,837,495 | (400,000) | | 4,437,495 | | 4,437,495 | |
| Water and Energy Efficiency Strategies | 84,564 | | | 84,564 | | 84,564 | |
| Catastrophic Event | 5,511,283 | | | 5,511,283 | | 5,511,283 | |
| Total Specific Activities, Programs and Special Projects Res | 10,433,342 | (400,000) | | 10,033,342 | - | 10,033,342 | |
| Total Water Division Reserves | \$ 64,130,822 | - | (6,496,862) | 57,183,960 | (442,278) | 56,741,682 | |

Water Division Operations Debt

| | |
|---|----------------------|
| Operations Debt Outstanding (at January 1) | \$ 33,703,113 |
|---|----------------------|

Note 1 - Revenue Volatility reserve funds are available to offset potential water sales revenue shortfalls due to weather or other variances.

Note 2 - Revolving Grant Matching Funds are available if needed to fund grant expenses anticipated on being reimbursed.

Placer County Water Agency
Summary Routine Capital
Agency Wide, Power Division and Water Division
2020 Budget Schedule

| | 2015 Budget | 2016 Budget | 2017 Budget | 2018 Budget | 2019 Budget | 2020 Adopted Budget | | | |
|--------------------------------|---------------------|------------------|------------------|------------------|------------------|------------------------|----------------|----------------|------------------|
| | | | | | | Total | Agency Wide | Power | Water |
| Vehicles | \$ 858,000 | 615,000 | 609,000 | 1,008,400 | 1,160,352 | 779,926 | - | 75,000 | 704,926 |
| Equipment & Tools | 693,909 | 373,750 | 624,150 | 1,132,064 | 765,205 | 932,769 | - | 380,000 | 552,769 |
| Office Furniture and Equipment | 125,275 | 190,000 | 155,000 | 125,000 | 110,000 | 98,200 | 30,000 | 50,000 | 18,200 |
| Computer Software and Hardware | 727,806 | 710,825 | 545,900 | 310,500 | 607,800 | 786,424 | 342,500 | 65,000 | 378,924 |
| Total Routine Capital | \$ 2,404,990 | 1,889,575 | 1,934,050 | 2,575,964 | 2,643,357 | 2,597,319 | 372,500 | 570,000 | 1,654,819 |

General Note - For budgeting purposes, routine capital is shown as a separate line item in the respective budget units.

Capital Investment Program



Construction - Lincoln Metering Station



New Gunite - Dutch Ravine Canal

Capital Investment Program

This Capital Investment Program (CIP) consists of three sections: 1) 2020 Capital Investment Program detailing the various 2020 Agency Wide, Power Division and Water Division CIP budgeted projects, 2) 2020 Capital Investment Program – Five Year Plan and 3) 2020 Capital Investment Program Project Descriptions.

The first section is the ***2020 Capital Investment Program***, which details the budgeted 2020 projects, the administering department, the funding source (for example, Water Connection Charge, Water Rate Revenue or Middle Fork Project) and the 2020 budgeted amounts.

The second section is the ***2020 Capital Investment Program - Five Year Plan***, which details the project description, anticipated funding source, administering department, the 2020 budgeted amounts and the estimated annual funding appropriation requirements for the subsequent four years (2021 – 2024).

The third section is the ***2020 Capital Investment Program Project Descriptions***, which presents a brief description of each 2020 project nature and details.

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2020 Capital Investment Program



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2020 Capital Investment Program

| Project No. | Project Description | Project Lead | Project Type | Project-to-Date Available Balance | WCC | Rates | Grants | Reserves | Middle Fork Project | 2020 TOTAL |
|--|---|--------------|---------------|-----------------------------------|----------|----------|----------|----------|---------------------|----------------|
| AGENCY WIDE PROJECTS | | | | | | | | | | |
| 09018A | American River Water Rights Extension | ENG | Water Supply | \$ 44,995 | - | - | - | 335,000 | - | 335,000 |
| 19018A | CVP Long Term Contract | PM | Water Supply | 161,135 | - | - | - | 300,000 | - | 300,000 |
| 19016A | CVP Area Expansion | PM | Water Supply | 87,083 | - | - | - | 200,000 | - | 200,000 |
| 19030A | Various HVAC/Environmental Control Upgrades | ENG | Various | 99,402 | - | - | - | 140,000 | - | 140,000 |
| | IT Building Office Improvements | ENG | Various | - | - | - | - | 200,000 | - | 200,000 |
| 14056W | RiverArc | ENG | Planning | 141,236 | - | - | - | 130,000 | - | 130,000 |
| TOTAL AGENCY WIDE PROJECTS | | | | | | | | | | |
| POWER DIVISION PROJECTS (MAJOR PROJECTS - AUTHORIZED FOR MFP FINANCE AUTHORITY) | | | | | | | | | | |
| | <i>Major Projects Stand-Alone</i> | | | | | | | | | |
| 17004P | French Meadows Forest Management | PWR | Environmental | 723,482 | - | - | - | - | 650,000 | 650,000 |
| 17013P | Sediment Removal | PWR | Plant | 442,370 | - | - | - | - | 1,500,000 | 1,500,000 |
| | <i>French Meadows Powerhouse Reliability Upgrades</i> | | | 556,082 | | | | | | |
| 19020P | FMPH Generator Protection Upgrade | PWR | Plant | 50,000 | - | - | - | - | 350,000 | 350,000 |
| | FMPH Turbine PRV Replacement | PWR | Plant | - | - | - | - | - | 100,000 | 100,000 |
| 14007P | French Meadows Powerhouse Reliability Upgrades | PWR | Plant | 606,082 | - | - | - | - | 450,000 | 450,000 |
| | <i>Hell Hole Powerhouse Reliability Upgrades</i> | | | - | | | | | | |
| | HH Governor Upgrade | PWR | Plant | - | - | - | - | - | 100,000 | 100,000 |

2020 Capital Investment Program

| Project No. | Project Description | Project Lead | Project Type | Project-to-Date Available Balance | WCC | Rates | Grants | Reserves | Middle Fork Project | 2020 TOTAL |
|---------------|--|--------------|--------------|-----------------------------------|----------|----------|----------|----------|---------------------|------------------|
| | HH Cottage Garage Rebuild | PWR | Plant | - | - | - | - | - | 100,000 | 100,000 |
| 12016P | Hell Hole Substation Rebuild | PWR | Plant | 400,160 | - | - | - | - | 900,000 | 900,000 |
| 14003P | Hell Hole Powerhouse Reliability Upgrades | PWR | Plant | 400,160 | - | - | - | - | 1,100,000 | 1,100,000 |
| | <i>Middle Fork Powerhouse Reliability Upgrades</i> | | | 80,259 | | | | | | |
| 18027P | MFPH HVAC Upgrade | PWR | Plant | 250,000 | - | - | - | - | 250,000 | 250,000 |
| | Main Transformer & Bus Protection Replacement | PWR | Plant | - | - | - | - | - | 50,000 | 50,000 |
| 13025P | MFPH Switchyard Upgrades | PWR | Plant | 2,824,896 | - | - | - | - | 1,000,000 | 1,000,000 |
| | Interbay Dam Radial Gate Hoist Improvement | PWR | Plant | - | - | - | - | - | 150,000 | 150,000 |
| 14009P | Middle Fork Powerhouse Reliability Upgrades | PWR | Plant | 3,155,155 | - | - | - | - | 1,450,000 | 1,450,000 |
| | <i>Oxbow Powerhouse Reliability Upgrades</i> | | | 527,315 | | | | | | |
| 19021P | OXPB Generator Excitation System Upgrade | PWR | Plant | 50,000 | - | - | - | - | 950,000 | 950,000 |
| 14010P | Oxbow Powerhouse Reliability Upgrades | PWR | Plant | 577,315 | - | - | - | - | 950,000 | 950,000 |
| | <i>Ralston Powerhouse Reliability Upgrades</i> | | | 399,037 | | | | | | |
| 18015P | RA Penstock Coupling Investigation | PWR | Plant | 707,647 | - | - | - | - | 250,000 | 250,000 |
| | RAPH - Penstock Access Improvements | PWR | Plant | - | - | - | - | - | 400,000 | 400,000 |
| | Afterbay Dam Radial Gate Hoist Improvement | PWR | Plant | - | - | - | - | - | 150,000 | 150,000 |
| 14012P | Ralston Powerhouse Reliability Upgrades | PWR | Plant | 1,106,684 | - | - | - | - | 800,000 | 800,000 |
| | <i>Relicensing - Project Infrastructure</i> | | | 825,275 | | | | | | |

2020 Capital Investment Program

| Project No. | Project Description | Project Lead | Project Type | Project-to-Date Available Balance | WCC | Rates | Grants | Reserves | Middle Fork Project | 2020 TOTAL |
|---------------|--|--------------|----------------------|-----------------------------------|-----|-------|--------|----------|---------------------|------------------|
| 09009A | HH Dam Seasonal Storage | PWR | Plant | 44,165 | - | - | - | - | 48,200 | 48,200 |
| 12017P | MFP Outlet Works Upgrades | PWR | Plant | 76,058 | - | - | - | - | 155,240 | 155,240 |
| 18043P | HH Dam Outlet Works Upgrade | PWR | Plant | 44,902 | - | - | - | - | 34,600 | 34,600 |
| 18040P | LL Anderson Dam Outlet Works Upgrade | PWR | Plant | 1,125,000 | - | - | - | - | 250,000 | 250,000 |
| 18042P | Interbay Outlet Works Upgrade and Stream Gage Installation | PWR | Plant | 50,000 | - | - | - | - | 750,000 | 750,000 |
| 12018P | Duncan Creek Diversion Dam Upgrade & Trail | PWR | Plant | 490,776 | - | - | - | - | 1,000,000 | 1,000,000 |
| | Nouth Fork Long Canyon Diversion Upgrade | PWR | Plant | - | - | - | - | - | 20,400 | 20,400 |
| | South Fork Long Canyon Diversion Upgrade | PWR | Plant | - | - | - | - | - | 20,400 | 20,400 |
| 15016P | MFP Cooperative Road Management | PWR | Plant | - | - | - | - | - | 229,000 | 229,000 |
| 14013P | Relicensing - Project Infrastructure | PWR | Plant | 2,656,176 | - | - | - | - | 2,507,840 | 2,507,840 |
| | <i>Relicensing - Project Recreation Facilities</i> | | | 998,580 | | | | | | |
| 14018P | Afterbay Picnic Area, Afterbay Boat Ramp, MF Stream Gage Trail Improvements and Indian Bar Access Trail Construction | ENG | Environmental | 169,507 | - | - | - | - | 119,700 | 119,700 |
| 14019P | FM RV Dump Station and Campground Upgrades | | Environmental | 48,242 | - | - | - | - | 144,100 | 144,100 |
| 15009P | FM South Shore Water Supply | | Environmental | 76,278 | - | - | - | - | 110,000 | 110,000 |
| | HH Boat Ramp Parking & Potable Water, HH General Parking | | Environmental | - | - | - | - | - | 84,726 | 84,726 |
| 14042P | MFPH Pedestrian Bypass | ENG | Environmental | - | - | - | - | - | 90,000 | 90,000 |
| 16012P | Hell Hole Recreation Work Station & Storage Facility for USFS | ENG | Environmental | 107,130 | - | - | - | - | 125,000 | 125,000 |
| 14014P | Relicensing - Project Recreation Facilities | ENG | Environmental | 1,399,737 | - | - | - | - | 673,526 | 673,526 |

2020 Capital Investment Program

| Project No. | Project Description | Project Lead | Project Type | Project-to-Date Available Balance | WCC | Rates | Grants | Reserves | Middle Fork Project | 2020 TOTAL |
|---|---|--------------|--------------|-----------------------------------|------------------|----------------|----------|----------|---------------------|------------------|
| SUBTOTAL POWER DIVISION PROJECTS [MAJOR PROJECTS - AUTHORIZED FOR MFP FINANCE AUTHORITY] | | | | | | | | | | |
| TOTAL POWER DIVISION PROJECTS | | | | | | | | | | |
| WATER DIVISION PROJECTS | | | | | | | | | | |
| WATER DIVISION - EXPANSION PROJECTS | | | | | | | | | | |
| | <i>Treated Water Transmission & Distribution Projects</i> | | | - | | | | | | |
| 19012W | Ophir Pipelines - Bickford Ranch Phase 1 | ENG | TWT&D | 249,588 | 2,300,000 | - | - | - | 10,081,366 | 2,300,000 |
| | Treated Water Transmission & Distribution Projects | ENG | TWT&D | 249,588 | 2,300,000 | - | - | - | - | 2,300,000 |
| | <i>Planning Projects</i> | | | - | | | | | | |
| 17024W | Water System Modeling and Planning | ENG | Planning | 13,682 | 100,000 | - | - | - | - | 100,000 |
| | Planning Projects | ENG | Planning | 13,682 | 100,000 | - | - | - | - | 100,000 |
| SUBTOTAL WATER DIVISION - EXPANSION PROJECTS | | | | | | | | | | |
| WATER DIVISION - RATES PROJECTS | | | | | | | | | | |
| | <i>Treatment Projects</i> | | | 102,164 | | | | | | |
| 18005W | Colfax WTP | ENG | Treatment | 8,066 | - | 200,000 | - | - | - | 200,000 |
| | Foothill WTP Physical Data Center | ENG | Treatment | - | - | 50,000 | - | - | - | 50,000 |
| | Foothill WTP Concrete Basin Repair | ENG | Treatment | - | - | 120,000 | - | - | - | 120,000 |
| | Monte Vista Redundant Filter | ENG | Treatment | - | - | 50,000 | - | - | - | 50,000 |
| 18032W | Treatment Projects | ENG | Treatment | 110,230 | - | 420,000 | - | - | - | 420,000 |

2020 Capital Investment Program

| Project No. | Project Description | Project Lead | Project Type | Project-to-Date Available Balance | WCC | Rates | Grants | Reserves | Middle Fork Project | 2020 TOTAL |
|---------------|---|--------------|-------------------|-----------------------------------|----------|------------------|----------------|----------|---------------------|------------------|
| | <i>Treated Water Transmission & Distribution Projects</i> | | | | | | | | | |
| | | | | 14,657 | | | | | | |
| 18022W | Alta Loop Pipeline (Cable/Powerhouse Rd.) | ENG | TWT&D | 43,010 | - | 25,000 | - | - | - | 25,000 |
| | Midas Ave Pipeline Repair | ENG | TWT&D | - | - | 75,000 | - | - | - | 75,000 |
| | Tokayana Way/Old Tokayana Way Pipe Replacement | ENG | TWT&D | - | - | 800,000 | - | - | - | 800,000 |
| 18033W | Treated Water Transmission & Distribution Projects | ENG | TWT&D | 57,667 | - | 900,000 | - | - | - | 900,000 |
| | <i>Raw Water Transmission & Distribution Projects</i> | | | | | | | | | |
| | | | | | | | | | | |
| 18023W | Ben Franklin Canal Repair | ENG | RWT&D | 19,986 | - | 700,000 | - | - | - | 700,000 |
| 16005W | Foothill Raw Water Supply Pipeline | ENG | RWT&D | 13,113,010 | - | 550,000 | - | - | - | 550,000 |
| 18011W | Hayford Siphon Phase 2 | ENG | RWT&D | 84,215 | - | 3,200,000 | - | - | - | 3,200,000 |
| 18009W | Lower Banvard Pipe (I-80 Crossing Auburn) | ENG | RWT&D | 23,384 | - | 1,100,000 | - | - | - | 1,100,000 |
| | South Sutter Automation | ENG | RWT&D | - | - | - | 100,000 | - | - | 100,000 |
| | Raw Water Transmission & Distribution Projects | ENG | RWT&D | 13,240,595 | - | 5,550,000 | 100,000 | - | - | 5,650,000 |
| | <i>Raw Water Storage Projects</i> | | | | | | | | | |
| | | | | | | | | | | |
| | Lake Alta Emergency Action Plan | ENG | RW Storage | - | - | 120,000 | - | - | - | 120,000 |
| | Lake Arthur Emergency Action Plan | ENG | RW Storage | - | - | 120,000 | - | - | - | 120,000 |
| | Lake Theodore Emergency Action Plan | ENG | RW Storage | - | - | 120,000 | - | - | - | 120,000 |
| 17011W | Lake Alta Dam Modifications | ENG | RW Storage | 56,402 | - | 900,000 | - | - | - | 900,000 |
| 18036W | Raw Water Storage Projects | ENG | RW Storage | 56,402 | - | 1,260,000 | - | - | - | 1,260,000 |

2020 Capital Investment Program

| Project No. | Project Description | Project Lead | Project Type | Project-to-Date Available Balance | WCC | Rates | Grants | Reserves | Middle Fork Project | 2020 TOTAL |
|-------------|---|--------------|----------------|-----------------------------------|--------------|------------------|----------|-----------|---------------------|------------------|
| | <i>Field Services Projects</i> | | | - | | | | | | |
| | 2019 Field Services RWCIP | FIELD | Various | | - | 450,000 | - | - | - | 450,000 |
| | 2019 Field Gunite CIP | FIELD | Various | | - | 1,000,000 | - | - | - | 1,000,000 |
| | 2019 Field Services TWCIP | FIELD | Various | | - | 700,000 | - | - | - | 700,000 |
| | Field Services Projects | FIELD | Various | - | - | 2,150,000 | - | - | - | 2,150,000 |
| | <i>Other Projects</i> | | | - | | | | | | |
| | Fire Alarm and Suppression Assessment | ENG | Miscellaneous | | - | 50,000 | - | - | - | 50,000 |
| | SCADA - Telemetry Upgrades | DWO | Miscellaneous | | - | 100,000 | - | - | - | 100,000 |
| | Various HVAC/Environmental Control Upgrades | ENG | Miscellaneous | | - | 190,000 | - | - | - | 190,000 |
| I6013W | Water System Security Improvements | ENG | Miscellaneous | 465,686 | - | 200,000 | - | - | - | 200,000 |
| | Other Projects | ENG | Other | 465,686 | - | 540,000 | - | - | - | 540,000 |
| | SUBTOTAL WATER DIVISION - RATES PROJECTS | | | | | | | | | |
| | | | | | - | 10,820,000 | 100,000 | - | - | 10,920,000 |
| | TOTAL WATER DIVISION PROJECTS | | | | | | | | | |
| | | | | | 2,400,000 | 10,820,000 | 100,000 | - | - | 13,320,000 |
| | TOTAL CIP BUDGET | | | | | | | | | |
| | | | | | \$ 2,400,000 | 10,820,000 | 100,000 | 1,305,000 | 10,081,366 | 24,706,366 |

Five Year Capital Investment Program



w a t e r • e n e r g y • s t e w a r d s h i p

2020 Capital Investment Program - Five Year Plan

| Project No. | Project Description | Project Lead | Project Type | Project-to-Date Available Balance | Adopted 2020 | Projected 2021 | Projected 2022 | Projected 2023 | Projected 2024 | TOTAL 2020-2024 |
|--|---|--------------|---------------|-----------------------------------|------------------|----------------|----------------|----------------|----------------|------------------|
| AGENCY WIDE PROJECTS | | | | | | | | | | |
| 09018A | American River Water Rights Extension | ENG | Water Supply | 44,995 | 335,000 | 35,000 | 35,000 | - | - | 405,000 |
| 19018A | CVP Long Term Contract | PM | Water Supply | 161,135 | 300,000 | 300,000 | - | - | - | 600,000 |
| 19016A | CVP Area Expansion | PM | Water Supply | 87,083 | 200,000 | 100,000 | - | - | - | 300,000 |
| 19030A | Various HVAC/Environmental Control Upgrades | ENG | Various | 99,402 | 140,000 | - | - | - | - | 140,000 |
| | IT Building Office Improvements | ENG | Various | - | 200,000 | - | - | - | - | 200,000 |
| 14056W | RiverArc | ENG | Planning | 141,236 | 130,000 | 90,000 | 65,000 | 65,000 | 65,000 | 415,000 |
| TOTAL AGENCY WIDE PROJECTS | | | | | 1,305,000 | 525,000 | 100,000 | 65,000 | 65,000 | 2,060,000 |
| POWER DIVISION PROJECTS (MAJOR PROJECTS - AUTHORIZED FOR MFP FINANCE AUTHORITY) | | | | | | | | | | |
| | <i>Major Projects Stand-Alone</i> | | | | | | | | | |
| 17004P | French Meadows Forest Management | PWR | Environmental | 725,161 | 650,000 | 250,000 | 100,000 | 50,000 | - | 1,050,000 |
| 17013P | Sediment Removal | PWR | Plant | 442,371 | 1,500,000 | - | - | 5,000,000 | 1,000,000 | 7,500,000 |
| | <i>French Meadows Powerhouse Reliability Upgrades</i> | | | 556,082 | | | | | | |
| 15011P | FMPH Cooling and Sump Pumps Control Upgrade | PWR | Plant | 200,000 | - | 250,000 | - | - | - | 250,000 |
| 19020P | FMPH Generator Protection Upgrade | PWR | Plant | 50,000 | 350,000 | - | - | - | - | 350,000 |
| | FMPH XFMR, Bus, & T-Line Protection Replacement | PWR | Plant | - | - | 50,000 | 100,000 | - | - | 150,000 |
| | FMPH Unit Control Board Upgrade | PWR | Plant | - | - | - | 20,000 | 100,000 | - | 120,000 |
| | FMPH Plant RTU Replacement | PWR | Plant | - | - | - | 50,000 | 150,000 | - | 200,000 |
| | FMPH Thrust Bearing Lift Pump Installation | PWR | Plant | - | - | - | - | 200,000 | 400,000 | 600,000 |

2020 Capital Investment Program - Five Year Plan

| Project No. | Project Description | Project Lead | Project Type | Project-to-Date Available Balance | Adopted 2020 | Projected 2021 | Projected 2022 | Projected 2023 | Projected 2024 | TOTAL 2020-2024 |
|---------------|---|--------------|--------------|-----------------------------------|------------------|------------------|------------------|----------------|----------------|------------------|
| | FMPH Turbine PRV Replacement | PWR | Plant | - | 100,000 | 450,000 | 2,500,000 | - | - | 3,050,000 |
| 14007P | French Meadows Powerhouse Reliability Upgrades | PWR | Plant | 806,082 | 450,000 | 750,000 | 2,670,000 | 450,000 | 400,000 | 4,720,000 |
| | <i>Hell Hole Powerhouse Reliability Upgrades</i> | | | - | | | | | | |
| | HH Governor Upgrade | PWR | Plant | - | 100,000 | - | - | - | - | 100,000 |
| | HH Cottage Garage Rebuild | PWR | Plant | - | 100,000 | 650,000 | - | - | - | 750,000 |
| 12016P | Hell Hole Substation Rebuild | PWR | Plant | 400,160 | 900,000 | - | - | - | - | 900,000 |
| 14003P | Hell Hole Powerhouse Reliability Upgrades | PWR | Plant | 400,160 | 1,100,000 | 650,000 | - | - | - | 1,750,000 |
| | <i>Middle Fork Powerhouse Reliability Upgrades</i> | | | 80,250 | | | | | | |
| 18027P | MEPH HVAC Upgrade | PWR | Plant | 250,000 | 250,000 | - | - | - | - | 250,000 |
| | MEPH Main Transformer & Bus Protection Replacement | PWR | Plant | - | 50,000 | 250,000 | - | - | - | 300,000 |
| | MEPH Unit Control Board Upgrade | PWR | Plant | - | - | - | - | 50,000 | 100,000 | 150,000 |
| | MEPH Plant RTU Replacement | PWR | Plant | - | - | - | - | 50,000 | 150,000 | 200,000 |
| 13025P | MEPH Switchyard Upgrades | PWR | Plant | 2,824,896 | 1,000,000 | 1,000,000 | - | - | - | 2,000,000 |
| | Interbay Dam Radial Gate Hoist Improvement | PWR | Plant | - | 150,000 | - | - | - | - | 150,000 |
| 14009P | Middle Fork Powerhouse Reliability Upgrades | PWR | Plant | 3,155,155 | 1,450,000 | 1,250,000 | - | 100,000 | 250,000 | 3,050,000 |
| | <i>Oxbow Powerhouse Reliability Upgrades</i> | | | 527,315 | | | | | | |
| 19021P | OXPH Generator Excitation System Upgrade | PWR | Plant | 50,000 | 950,000 | - | - | - | - | 950,000 |
| | OXPH Generator Protection Upgrade | PWR | Plant | - | - | 50,000 | 250,000 | - | - | 300,000 |
| | OXPH XFMR, Bus, & T-Line Protection Replacement | PWR | Plant | - | - | 50,000 | 250,000 | - | - | 300,000 |

2020 Capital Investment Program - Five Year Plan

| Project No. | Project Description | Project Lead | Project Type | Project-to-Date Available Balance | Adopted 2020 | Projected 2021 | Projected 2022 | Projected 2023 | Projected 2024 | TOTAL 2020-2024 |
|---------------|--|--------------|--------------|-----------------------------------|----------------|----------------|----------------|----------------|------------------|------------------|
| | OXPH Intake Gate Hoist Replacement | PWR | Plant | - | - | - | 200,000 | 650,000 | - | 850,000 |
| | OXPH Unit Control Board Upgrades | PWR | Plant | - | - | - | - | - | 75,000 | 75,000 |
| 14010P | Oxbow Powerhouse Reliability Upgrades | PWR | Plant | 577,315 | 950,000 | 100,000 | 700,000 | 650,000 | 75,000 | 2,475,000 |
| | <i>Ralston Powerhouse Reliability Upgrades</i> | | | <i>399,037</i> | | | | | | |
| | RAPH XFMR & Bus Protection Replacement | PWR | Plant | - | - | 50,000 | 250,000 | - | - | 300,000 |
| | RAPH Unit Control Board Upgrade | PWR | Plant | - | - | - | 20,000 | 100,000 | - | 120,000 |
| | RAPH Plant RTU Replacement | PWR | Plant | - | - | - | 50,000 | 150,000 | - | 200,000 |
| 18015P | RA Penstock Coupling Investigation | PWR | Plant | 707,647 | 250,000 | 250,000 | - | - | - | 500,000 |
| | RAPH - Penstock Access Improvements | PWR | Plant | - | 400,000 | - | - | - | - | 400,000 |
| | RAPH Main Transformer & Bus Protection Replacement | PWR | Plant | - | - | - | - | - | 1,000,000 | 1,000,000 |
| | Abay Dam Radial Gate Hoist Improvement | PWR | Plant | - | 150,000 | - | - | - | - | 150,000 |
| 14012P | Ralston Powerhouse Reliability Upgrades | PWR | Plant | 1,106,684 | 800,000 | 300,000 | 320,000 | 250,000 | 1,000,000 | 2,670,000 |
| | <i>Relicensing - Project Infrastructure</i> | | | <i>825,275</i> | | | | | | |
| 09009A | HH Dam Seasonal Storage | PWR | Plant | 44,165 | 48,200 | 40,400 | 5,025,800 | - | - | 5,114,400 |
| 12017P | MFP Outlet Works Upgrades | PWR | Plant | 76,058 | 155,240 | 141,600 | 1,331,000 | - | - | 1,627,840 |
| 18043P | HH Dam Outlet Works Upgrade | PWR | Plant | 44,902 | 34,600 | 41,260 | 40,400 | 25,800 | - | 142,060 |
| 18040P | LL Anderson Dam Outlet Works Upgrade | PWR | Plant | 1,125,000 | 250,000 | - | - | - | - | 250,000 |
| 18042P | Interbay Outlet Works Upgrade and Stream Gage Installation | PWR | Plant | 50,000 | 750,000 | - | - | - | - | 750,000 |
| 12018P | Duncan Creek Diversion Dam Upgrade & Trail | ENG | Plant | 490,776 | 1,000,000 | 7,000,000 | - | - | - | 8,000,000 |

2020 Capital Investment Program - Five Year Plan

| Project No. | Project Description | Project Lead | Project Type | Project-to-Date Available Balance | Adopted 2020 | Projected 2021 | Projected 2022 | Projected 2023 | Projected 2024 | TOTAL 2020-2024 |
|---------------|--|--------------|---------------|-----------------------------------|------------------|------------------|------------------|------------------|----------------|-------------------|
| | North Fork Long Canyon Diversion Upgrade | PWR | Plant | - | 20,400 | 40,400 | 160,000 | 1,040,400 | 25,800 | 1,287,000 |
| | South Fork Long Canyon Diversion Upgrade | PWR | Plant | - | 20,400 | 40,400 | 160,000 | 1,340,400 | 25,800 | 1,587,000 |
| 15016P | MFP Cooperative Road Management | PWR | Plant | - | 229,000 | 229,000 | - | - | - | 458,000 |
| 14013P | Relicensing - Project Infrastructure | PWR | Plant | 2,656,176 | 2,507,840 | 7,533,060 | 6,717,200 | 2,406,600 | 51,600 | 19,216,300 |
| | <i>Relicensing - Project Recreation Facilities</i> | | | <i>998,580</i> | | | | | | |
| 14018P | Afterbay Picnic Area, Afterbay Boat Ramp, MF Stream Gage Trail Improvements and Indian Bar Access Trail Construction | ENG | Environmental | 169,507 | 119,700 | - | 2,468,850 | 26,550 | - | 2,615,100 |
| 14020P | FM Boat Ramp Extension | ENG | Environmental | 20,100 | - | - | 99,700 | - | 34,150 | 133,850 |
| | FM Picnic Area | ENG | Environmental | - | - | - | 30,300 | - | 34,150 | 64,450 |
| | FM North Shore Water Supply | ENG | Environmental | - | - | - | - | 270,720 | 321,280 | 592,000 |
| 14019P | FM RV Dump Station and Campground Upgrades | ENG | Environmental | 48,242 | 144,100 | - | 6,445,400 | 26,550 | - | 6,616,050 |
| 15009P | FM South Shore Water Supply | ENG | Environmental | 76,278 | 110,000 | 275,800 | - | 1,759,150 | 26,550 | 2,171,500 |
| | HH and Big Meadows Campgrounds | ENG | Environmental | - | - | - | - | - | 168,804 | 168,804 |
| 14017P | HH Boat Ramp Extension | ENG | Environmental | 218,619 | - | 135,972 | 160,348 | - | 34,150 | 330,470 |
| | HH Boat Ramp Parking & Potable Water, HH General Parking | ENG | Environmental | - | 84,726 | 87,784 | - | 598,990 | 26,550 | 798,050 |
| | HH Upper Campground | ENG | Environmental | - | - | - | 42,660 | 48,740 | - | 91,400 |
| | McGuire Picnic Area Conversion to Group Campground | ENG | Environmental | - | - | - | - | - | 200,880 | 200,880 |
| | Lewis Campground | ENG | Environmental | - | - | - | - | - | 253,836 | 253,836 |
| 14042P | MFPH Pedestrian Bypass (Public Access Around Middlefork Powerhouse) | ENG | Environmental | - | 90,000 | 249,300 | - | 634,150 | 26,550 | 1,000,000 |

2020 Capital Investment Program - Five Year Plan

| Project No. | Project Description | Project Lead | Project Type | Project-to-Date Available Balance | Adopted 2020 | Projected 2021 | Projected 2022 | Projected 2023 | Projected 2024 | TOTAL 2020-2024 |
|--|---|--------------|-------------------|-----------------------------------|------------------|------------------|------------------|------------------|----------------|-------------------|
| | Ralston Area Improvement | ENG | Environmental | - | - | 132,500 | - | 664,150 | 26,550 | 823,200 |
| 16012P | Hell Hole Recreation Work Station & Storage Facility for USFS | ENG | Environmental | 107,130 | 125,000 | 275,800 | 75,000 | 3,886,650 | 26,550 | 4,389,000 |
| 14014P | Relicensing - Project Recreation Facilities | ENG | Environmental | 1,638,456 | 673,526 | 1,157,156 | 9,322,258 | 7,915,650 | 1,180,000 | 20,248,590 |
| SUBTOTAL POWER DIVISION PROJECTS [MAJOR PROJECTS - AUTHORIZED FOR MFP FINANCE AUTHORITY] | | | | | | | | | | |
| TOTAL POWER DIVISION PROJECTS | | | | | | | | | | |
| 10,081,366 | | | | | | | | | | |
| 11,990,216 | | | | | | | | | | |
| 19,829,458 | | | | | | | | | | |
| 16,822,250 | | | | | | | | | | |
| 3,956,600 | | | | | | | | | | |
| 62,679,890 | | | | | | | | | | |
| 62,679,890 | | | | | | | | | | |
| WATER DIVISION PROJECTS | | | | | | | | | | |
| WATER DIVISION - EXPANSION PROJECTS | | | | | | | | | | |
| WATER DIVISION - EXPANSION PROJECTS | | | | | | | | | | |
| | <i>Treated Water Transmission & Distribution Projects</i> | | | - | | | | | | |
| | Barton Rd. Pipeline Phase 1 (La Vista Dr. to Brace Rd.) | ENG | TWT&D | - | - | - | - | 500,000 | - | 500,000 |
| 19012W | Ophir Pipelines - Bickford Ranch Phase 1 | ENG | TWT&D | 249,588 | 2,300,000 | 3,000,000 | 2,500,000 | 2,500,000 | - | 10,300,000 |
| 16022W | Placer Parkway Pipeline (Bridge Sections Only) | ENG | TWT&D | 192,453 | - | 1,900,000 | - | - | - | 1,900,000 |
| | Treated Water Transmission & Distribution Projects | ENG | TWT&D | 442,041 | 2,300,000 | 4,900,000 | 2,500,000 | 3,000,000 | - | 12,700,000 |
| | <i>Raw Water Transmission & Distribution Projects</i> | | | - | | | | | | |
| | Rock Creek Reservoir Pipeline and Pump Station | ENG | RWT&D | - | - | 251,000 | 1,594,000 | 298,000 | - | 2,143,000 |
| | Raw Water Transmission & Distribution Projects | ENG | RWT&D | - | - | 251,000 | 1,594,000 | 298,000 | - | 2,143,000 |
| | <i>Treated Water Storage Projects</i> | | | - | | | | | | |
| 14048W | Songbird 10 MG Tank and Related Pipeline within Whitney Ranch Parkway | ENG | TW Storage | 919,500 | - | - | 8,000,000 | 8,000,000 | - | 16,000,000 |
| | Treated Water Storage Projects | ENG | TW Storage | 919,500 | - | - | 8,000,000 | 8,000,000 | - | 16,000,000 |
| | <i>Planning Projects</i> | | | - | | | | | | |

2020 Capital Investment Program - Five Year Plan

| Project No. | Project Description | Project Lead | Project Type | Project-to-Date Available Balance | Adopted 2020 | Projected 2021 | Projected 2022 | Projected 2023 | Projected 2024 | TOTAL 2020-2024 |
|---------------|---|--------------|------------------|-----------------------------------|------------------|------------------|-------------------|-------------------|------------------|-------------------|
| I4056W | RiverArc | ENG | Planning | 141,236 | - | 300,000 | 65,000 | 65,000 | 65,000 | 495,000 |
| I7024W | Water System Modeling and Planning | ENG | Planning | 13,682 | 100,000 | - | - | 100,000 | - | 200,000 |
| | Planning Projects | ENG | Planning | 154,918 | 100,000 | 300,000 | 65,000 | 165,000 | 65,000 | 695,000 |
| | SUBTOTAL WATER DIVISION - EXPANSION PROJECTS | | | | | | | | | |
| | | | | | 2,400,000 | 5,451,000 | 12,159,000 | 11,463,000 | 65,000 | 31,538,000 |
| | WATER DIVISION - RATES PROJECTS | | | | | | | | | |
| | <i>Treatment Projects</i> | | | <i>102,164</i> | | | | | | |
| | Alta WTP Carbon Feed Building | ENG | Treatment | - | - | - | 50,000 | 75,000 | - | 125,000 |
| | Arc Flash Program | ENG | Treatment | - | - | - | 75,000 | 75,000 | - | 150,000 |
| | Bowman WTP Upgrades - Phase 3- Flocculator Basin Rebuild | ENG | Treatment | - | - | 400,000 | 1,000,000 | - | - | 1,400,000 |
| I8005W | Colfax WTP | ENG | Treatment | 8,066 | 200,000 | 800,000 | 2,000,000 | 13,000,000 | - | 16,000,000 |
| | Foothill WTP Physical Data Center | ENG | Treatment | - | 50,000 | - | - | - | - | 50,000 |
| | Foothill WTP Concrete Basin Repair | ENG | Treatment | - | 120,000 | - | - | - | - | 120,000 |
| | Foothill #1 Sludge Removal System Replacement | ENG | Treatment | - | - | - | - | - | 800,000 | 800,000 |
| | Foothill #1 Washwater Valve Replacements | ENG | Treatment | - | - | - | - | - | 400,000 | 400,000 |
| I7022W | Foothill Structural Repairs | ENG | Treatment | 18,470 | - | 400,000 | - | - | - | 400,000 |
| | Monte Vista Redundant Filter | ENG | Treatment | - | 50,000 | 200,000 | - | - | - | 250,000 |
| I8032W | Treatment Projects | ENG | Treatment | 128,700 | 420,000 | 1,800,000 | 3,125,000 | 13,150,000 | 1,200,000 | 19,695,000 |
| | <i>Treated Water Transmission & Distribution Projects</i> | | | | | | | | | |
| | | | | <i>14,657</i> | | | | | | |
| I8022W | Alta Loop Pipeline (Cable/Powerhouse Rd.) | ENG | TWT&D | 43,010 | 25,000 | 1,500,000 | - | - | - | 1,525,000 |
| | Applegate Intertie/Meadow Vista | ENG | TWT&D | - | - | - | 100,000 | 400,000 | - | 500,000 |
| | Bowman Treated Water Pipe Replacement, WTP to Haines Rd. | ENG | TWT&D | - | - | - | 200,000 | 1,300,000 | - | 1,500,000 |

2020 Capital Investment Program - Five Year Plan

| Project No. | Project Description | Project Lead | Project Type | Project-to-Date Available Balance | Adopted 2020 | Projected 2021 | Projected 2022 | Projected 2023 | Projected 2024 | TOTAL 2020-2024 | |
|---------------|---|--------------|------------------|-----------------------------------|----------------|------------------|------------------|------------------|------------------|-------------------|--|
| | Covey Road Pipe Replacement | ENG | TWT&D | - | - | - | 100,000 | 500,000 | - | 600,000 | |
| | Distribution Meters - Bowman, Applegate, and Monte Vista | ENG | TWT&D | - | - | 240,000 | - | - | - | 240,000 | |
| | Fulweiler Ave to Garfield St. Main Replacement | ENG | TWT&D | - | - | - | 70,000 | 630,000 | - | 700,000 | |
| | Ginger Dr./Valley View Main Replacement | ENG | TWT&D | - | - | 100,000 | 900,000 | - | - | 1,000,000 | |
| | High Street from Elm to East Placer Pipeline Replacement | ENG | TWT&D | - | - | - | 250,000 | 1,000,000 | - | 1,250,000 | |
| | I-80 Water Main Crossings Rehabilitation | ENG | TWT&D | - | - | - | - | 100,000 | 900,000 | 1,000,000 | |
| | Midas Ave Pipeline Repair | ENG | TWT&D | - | 75,000 | 1,000,000 | - | - | - | 1,075,000 | |
| | Old State Highway - Buena Vista to Taylor Road | ENG | TWT&D | - | - | - | 100,000 | 400,000 | - | 500,000 | |
| | Rocklin Valve Replacements | ENG | TWT&D | - | - | 300,000 | - | - | - | 300,000 | |
| | Sunset Boulevard Pipeline | ENG | TWT&D | - | - | 500,000 | 3,500,000 | - | - | 4,000,000 | |
| | Tokayana Way/Old Tokayana Way Pipe Replacement | ENG | TWT&D | - | 800,000 | - | - | - | - | 800,000 | |
| | AMI Expansion Phase 2 | CS | TWT&D | - | - | 500,000 | 100,000 | 100,000 | 100,000 | 800,000 | |
| 18033W | Treated Water Transmission & Distribution Projects | ENG | TWT&D | 57,667 | 900,000 | 4,140,000 | 5,320,000 | 4,430,000 | 1,000,000 | 15,790,000 | |
| | <i>Raw Water Transmission & Distribution Projects</i> | | | | | | | | | | |
| | Antelope Stub | ENG | RWT&D | - | - | - | - | 50,000 | 350,000 | 400,000 | |
| | ARPS Intake #6 Repair | ENG | RWT&D | - | - | 250,000 | - | - | - | 250,000 | |
| 18023W | Ben Franklin Canal Repair | ENG | RWT&D | 19,986 | 700,000 | - | - | - | - | 700,000 | |
| | Canyon Creek Bypass Feasibility Study | ENG | RWT&D | - | - | - | 50,000 | - | - | 50,000 | |
| | Caperton Siphon | ENG | RWT&D | - | - | 370,000 | - | - | - | 370,000 | |
| 16005W | Foothill Raw Water Supply Pipeline | ENG | RWT&D | 13,113,010 | 550,000 | - | - | - | - | 550,000 | |
| 18011W | Hayford Siphon Phase 2 | ENG | RWT&D | 84,215 | 3,200,000 | - | - | - | - | 3,200,000 | |

2020 Capital Investment Program - Five Year Plan

| Project No. | Project Description | Project Lead | Project Type | Project-to-Date Available Balance | Adopted 2020 | Projected 2021 | Projected 2022 | Projected 2023 | Projected 2024 | TOTAL 2020-2024 |
|---------------|---|--------------|-------------------|-----------------------------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| | Kilmer Siphon Replacement | ENG | RWT&D | - | - | - | 100,000 | 600,000 | - | 700,000 |
| 15006W | Lower Banvard Pipe (Lozanos Rd.) | ENG | RWT&D | 38,658 | - | - | - | 600,000 | - | 600,000 |
| 18009W | Lower Banvard Pipe (I-80 Crossing Auburn) | ENG | RWT&D | 23,384 | 1,100,000 | - | - | - | - | 1,100,000 |
| | Middle Fiddler Railroad Flume Repair | ENG | RWT&D | - | - | - | - | 50,000 | 600,000 | 650,000 |
| | Ophir/Combie Canal Upsize | ENG | RWT&D | - | - | - | - | 1,000,000 | - | 1,000,000 |
| | Pulp Mill Canal | ENG | RWT&D | - | - | - | - | 200,000 | 1,200,000 | 1,400,000 |
| | Raw Water Canal Automation | ENG | RWT&D | - | - | 100,000 | 100,000 | 100,000 | 100,000 | 400,000 |
| | Rock Creek Reservoir Pipeline and Pump Station | ENG | RWT&D | - | - | 334,000 | 2,126,000 | 397,000 | - | 2,857,000 |
| | South Sutter Automation | ENG | RWT&D | - | 100,000 | 650,000 | 105,000 | 100,000 | - | 955,000 |
| 18034W | Raw Water Transmission & Distribution Projects | ENG | RWT&D | 13,838,287 | 5,650,000 | 1,704,000 | 2,481,000 | 3,097,000 | 2,250,000 | 15,182,000 |
| | <i>Treated Water Storage Projects</i> | | | <i>19,595,000</i> | | | | | | |
| | Alta Redwood Tank Replacement | ENG | TW Storage | - | - | 50,000 | 450,000 | - | - | 500,000 |
| 17015W | Applegate Tank Replacement | ENG | TW Storage | 30,284 | - | - | - | 400,000 | - | 400,000 |
| | Monte Vista Redwood Tank Replacement | ENG | TW Storage | - | - | 50,000 | 250,000 | - | - | 300,000 |
| | Tank Recoating (Stanford Ranch) | ENG | TW Storage | - | - | 800,000 | - | - | - | 800,000 |
| 18035W | Treated Water Storage Projects | ENG | TW Storage | 49,879 | - | 900,000 | 700,000 | 400,000 | - | 2,000,000 |
| | <i>Raw Water Storage Projects</i> | | | <i>-</i> | | | | | | |
| | Alta Forebay Desilt | ENG | RW Storage | - | - | - | - | - | 1,000,000 | 1,000,000 |
| | Caperton Reservoir Improvements | ENG | RW Storage | - | - | - | - | - | 100,000 | 100,000 |
| | Lake Alta Emergency Action Plan | ENG | RW Storage | - | 120,000 | - | - | - | - | 120,000 |
| | Lake Arthur Emergency Action Plan | ENG | RW Storage | - | 120,000 | - | - | - | - | 120,000 |

2020 Capital Investment Program - Five Year Plan

| Project No. | Project Description | Project Lead | Project Type | Project-to-Date Available Balance | Adopted 2020 | Projected 2021 | Projected 2022 | Projected 2023 | Projected 2024 | TOTAL 2020-2024 |
|---------------|---|--------------|----------------------|-----------------------------------|----------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Lake Theodore Emergency Action Plan | ENG | RW Storage | - | 120,000 | - | - | - | - | 120,000 |
| I7011W | Lake Alta Dam Modifications | ENG | RW Storage | 560,402 | 900,000 | - | - | - | - | 900,000 |
| 19036W | Raw Water Storage Projects | ENG | RW Storage | 560,402 | 1,260,000 | - | - | - | 1,100,000 | 2,360,000 |
| | <i>Groundwater Projects</i> | | | - | | | | | | |
| | Well Demolition - Bianchi Estates | ENG | Groundwater | - | - | - | - | - | 50,000 | 50,000 |
| | Groundwater Projects | ENG | Groundwater | - | - | - | - | - | 50,000 | 50,000 |
| | <i>Field Services Projects</i> | | | - | | | | | | |
| | 2020 Field Services RW/CIP | FIELD | Various | | 450,000 | 400,000 | 400,000 | 400,000 | 400,000 | 2,050,000 |
| | 2020 Field Gunite CIP | FIELD | Various | | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 5,000,000 |
| | 2020 Field Services TW/CIP | FIELD | Various | | 700,000 | 600,000 | 600,000 | 600,000 | 600,000 | 3,100,000 |
| | Field Services Projects | FIELD | Various | - | 2,150,000 | 2,000,000 | 2,000,000 | 2,000,000 | 2,000,000 | 10,150,000 |
| | <i>Other Projects</i> | | | - | | | | | | |
| | Asphalt Repair at Agency Facilities | ENG | Miscellaneous | - | - | - | - | 250,000 | 250,000 | 500,000 |
| I7008W | Colfax Ballpark Tank Slope Stabilization | ENG | Miscellaneous | 47,930 | - | - | - | - | 200,000 | 200,000 |
| | Fire Alarm and Suppression Assessment | ENG | Miscellaneous | - | 50,000 | - | - | - | - | 50,000 |
| | SCADA - Telemetry Upgrades | DWO | Miscellaneous | - | 100,000 | 50,000 | 50,000 | 50,000 | 50,000 | 300,000 |
| | Various HVAC/Environmental Control Upgrades | ENG | Miscellaneous | - | 190,000 | - | - | - | - | 190,000 |
| I6013W | Water System Security Improvements | ENG | Miscellaneous | 465,686 | 200,000 | 100,000 | 100,000 | 100,000 | 100,000 | 600,000 |
| | Other Projects | ENG | Miscellaneous | 513,616 | 540,000 | 150,000 | 150,000 | 400,000 | 600,000 | 1,840,000 |
| | SUBTOTAL WATER DIVISION - RATES PROJECTS | | | | | | | | | |
| | | | | | 10,920,000 | 10,694,000 | 13,776,000 | 23,477,000 | 8,200,000 | 67,067,000 |
| | TOTAL WATER DIVISION PROJECTS | | | | | | | | | |
| | | | | | 13,320,000 | 16,145,000 | 25,935,000 | 34,940,000 | 8,265,000 | 98,605,000 |
| | TOTAL CIP BUDGET | | | | | | | | | |
| | | | | | \$ 24,706,366 | 28,660,216 | 45,864,458 | 51,827,250 | 12,286,600 | 163,344,890 |

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Capital Investment Program - 2020 Project Descriptions



Placer County Water Agency 2020

Project Descriptions

AGENCY WIDE PROJECTS

American River Water Rights Extension

This project will prepare the required environmental documents to extend the horizon of perfecting the American River Water Rights to Year 2043. This will include analyzing impacts of increasing PCWA's American River diversions from current levels to 120,000 acre-feet. The areas of analysis will include the American River, Folsom Reservoir, Lower American River, the Central Valley Project and State Water Project areas north of the Delta, the Delta, and expected locations of consumption. The Project also includes negotiations with the Bureau of Reclamation to secure a Long-term Warren Act Contract (LTWAC) for utilization of Folsom Reservoir and Endangered Species Act (ESA) consultation with National Marine Fisheries Service. The necessary environmental documents will be prepared and circulated for public review in early 2019 and the LTWAC negotiation and ESA consultation will extend into 2020.

CVP Long Term Contract

The purpose of this project is to negotiate a long term contract with the Bureau of Reclamation for Central Valley Project water service. The project is a multi-agency effort involving PCWA, City of Roseville, Sacramento County Water Agency, and Sacramento Municipal Utility District and includes the hiring of consultants to perform environmental and water needs analysis.

CVP Area Expansion

This project includes processing an expansion of PCWA's CVP Service Area with the United States Bureau of Reclamation to match the extent of lands served by PCWA. PCWA's current CVP Service Area does not include certain lands served by PCWA and capable of beneficially using CVP water (Project Water). This expansion would make PCWA's CVP Service Area coextensive with PCWA's Middle Fork Project water rights place of use and allow PCWA to operate its water system more efficiently and effectively.

Various HVAC/Environmental Control Upgrades

This project includes replacement of existing HVAC units at various locations that are at the end of their useful life.

IT Building Office Improvements

The improvements project comprises converting two cubicles in the IT department into offices and adding a redundant HVAC system for the server room. The project will include a design development layout to potentially use the space under the raised floor for air distribution and redundant computer-room-air-conditioning (CRAC) unit, as well as the design of a new condensate drain piping for the redundant CRAC unit.

RiverARC

This project is a large regional project helping provide sustainability and reliability to the water distribution system. It routes water from the Sacramento River to offset the demand from the American River, as well as allows agencies to take advantage of groundwater banking, and unused water rights. The budget for this project reflects the cost of coordination with agencies and planning this project, including CEQA.

POWER DIVISION PROJECTS

Major Projects:

French Meadows Forest Management

The Agency is partnering with the Tahoe National Forest, The Nature Conservancy, American River Conservancy, and the University of California, Sierra Nevada Research Institute on the French Meadows Forest Resilience Project. The aim of the French Meadows Forest Resilience Project is to increase the pace and scale of forest restoration in a critical municipal watershed, using an approach of ecologically-based forest management.

Sediment Removal

The project includes removing accumulated sediment from Middle Fork Interbay, a regulating reservoir within the Middle Fork American River Hydroelectric Project. Work in Interbay is limited to the annual five-week-long system outage in October when reservoir levels can be lowered. Included in the work for this site will be sediment excavation, hauling, processing, and placement at select sacrificial sediment augmentation locations, permanent fill embankment, and temporary fill embankment locations.

French Meadows Powerhouse Reliability Upgrades

Powerhouse reliability upgrades encompass projects that will sustain or increase generator availability (the percentage of time a generator is available to be synchronized to the grid and produce electricity) and projects that will improve employee safety.

1. Generator Protection Upgrade
2. Turbine Pressure Reducing Valve Replacement

Hell Hole Powerhouse Reliability Upgrades

Powerhouse reliability upgrades encompass projects that will sustain or increase generator availability (the percentage of time a generator is available to be synchronized to the grid and produce electricity) and projects that will improve employee safety.

1. Hell Hole Governor Upgrade
2. Hell Hole Cottage Garage Rebuild
3. Hell Hole Substation Rebuild

Middle Fork Powerhouse Reliability Upgrades

Powerhouse reliability upgrades encompass projects that will sustain or increase generator availability (the percentage of time a generator is available to be synchronized to the grid and produce electricity) and projects that will improve employee safety.

1. Powerhouse HVAC Upgrade
2. Main Transformer & Bus Protection Replacement
3. Switchyard Upgrades
4. Interbay Dam Radial Gate Hoist Improvement

Oxbow Powerhouse Reliability Upgrades

Powerhouse reliability upgrades encompass projects that will sustain or increase generator availability (the percentage of time a generator is available to be synchronized to the grid and produce electricity) and projects that will improve employee safety.

1. Generator Excitation System Replacement

Ralston Powerhouse Reliability Upgrades

Powerhouse reliability upgrades encompass projects that will sustain or increase generator availability (the percentage of time a generator is available to be synchronized to the grid and produce electricity) and projects that will improve employee safety.

1. Penstock Coupling Investigation
2. Penstock Access Improvements
3. Afterbay Dam Radial Gate Hoist Improvement

FERC License Implementation - Project Infrastructure

These capital projects consist of infrastructure work required under the new FERC license. The work includes:

1. Hell Hole Dam Seasonal Storage
2. MFP Outlet Works Upgrades
3. Hell Hole Dam Outlet Works Upgrades
4. LL Anderson Dam Outlet Work Upgrades

5. Interbay Dam Outlet Works Upgrade and Stream Gage Installation
6. Duncan Creek Diversion Dam Upgrade & Trail
7. North Fork Long Canyon Diversion Upgrade
8. South Fork Long Canyon Diversion Upgrade
9. Middle Fork Project Cooperative Road Management

FERC License Implementation – Project Recreation Facilities

This project consists of work to rehabilitate recreational facilities that will be required by the new FERC license. The work includes:

1. Afterbay Picnic Area, Afterbay Boat Ramp, MF Stream Gage Trail Improvements, and Indian Bar Access Area
2. French Meadows RV Dump Station and Campground Upgrades
3. French Meadows South Shore Water Supply
4. Hell Hole Boat Ramp Extension and Parking, General Parking, and Potable Water
5. Middle Fork Powerhouse Pedestrian Bypass
6. Hell Hole Recreation Work Station and Storage Facility

WATER DIVISION PROJECTS

Water Connection Charge Expansion Projects:

Treated Water Transmission and Distribution Projects

Treated Water Transmission and Distribution projects include repair, modification, or installation of new infrastructure related to the treated water system. The infrastructure includes, but is not limited to, pipelines, pressure reducing stations, valves, meters, pump stations, buildings, electrical systems and instrumentation, and other components related to distributing treated water to wholesale and retail customers.

1. Ophir Pipelines - Bickford Ranch Phase 1 - This project includes all anticipated annual costs for design and construction of Agency-initiated transmission infrastructure through the Bickford Ranch Development Project. Infrastructure will be needed for future phases of Ophir Water Treatment Plant, however, construction of facilities are to occur during the construction of the development. Construction of these facilities are to be done by the developers' contractors and reimbursed upon completion.

Planning Projects

Planning projects analyze proposed infrastructure alternatives necessary to expand capacity of water systems to serve new development. Analyses include demand forecasting, evaluating available capacity, hydraulic modeling, feasibility studies, cost estimates and financial studies. Infrastructure includes all components, from water supply through distribution. Results of these projects are compiled into technical memorandums, reports, and/or masterplans.

1. Water System Modeling and Planning – Anticipated work includes analyzing Capital Improvement Program (CIP) costs for planned improvements for Lower Zone 6, and prepares an associated cash-flow analysis showing the planned implementation timeline and associated expenditures. This information will be used to evaluate Water Connection Charges (WCC's).

Rates Projects:

Treatment Projects

Treatment projects include repair, modification, or installation of new infrastructure related to water treatment plants and/or their processes that result in producing potable drinking water from source water supplies.

1. Colfax WTP - This project will replace the existing Colfax Water Treatment Plant (WTP). The existing WTP is approaching the end of its operational life and Agency staff are targeting having a new plant constructed within 5 years. In 2018 a site alternatives analysis and feasibility study for the new WTP was completed. With those tasks complete, Agency staff will begin environmental, permitting and land acquisition efforts in 2020.
2. Foothill WTP Physical Data Center – This project remodels a portion of the operations center at the Foothill WTP to house SCADA equipment in a secure and environmentally controlled space.
3. Foothill WTP Concrete Basin Repair - This project includes subgrade preparation, tree root removal, and replacement of a concrete slab to protect the integrity of the adjacent wash water basin.
4. Monte Vista Redundant Filter - This project will add redundancy to the filters at the Monte Vista WTP. State licensing requires having multiple filter units to provide redundant capacity when filters are out of service. Several alternatives will be considered, including replacing the existing filter with smaller ones that exceed the current capacity, adding a second filter with the same capacity, or using well water as a bypass during maintenance.

Treated Water Transmission and Distribution Projects

Treated Water Transmission and Distribution projects include repair, modification, or installation of new infrastructure related to the treated water system. The infrastructure includes, but is not limited to, pipelines, pressure reducing stations, valves, meters, pump stations, buildings, electrical systems and instrumentation, and other components related to distributing treated water to wholesale and retail customers.

1. Alta Loop Pipeline (Cable/Powerhouse Rd.) - This project will replace approximately 2,500 feet of existing steel water main pipe and install approximately 1,200 feet of new water main in Alta, CA. The project will loop the water distribution system in Alta and include a pressure reducing system as the design will connect two different pressure zones of the system.
2. Midas Avenue Pipeline Repair – This project will review recent break history in Rocklin, CA near Midas Avenue and propose a method of replacement and/or repairs and initiate the design of the phase of the project.
3. Tokayana way/Old Tokayana Way Pipe Replacement – The project includes the rehabilitation and/or replacement of approximately 1,100 feet of 6 inch steel treated water main in Colfax, CA that has experienced numerous leaks over the past several years.

Raw Water Transmission and Distribution Projects

Raw Water Transmission and Distribution projects include repair, modification, or installation of new infrastructure related to the raw water system. The infrastructure includes, but is not limited to, pipelines, pressure reducing stations, valves, meters, pump stations, buildings, electrical systems and instrumentation, and other components related to distributing raw water to wholesale and retail customers.

1. Ben Franklin Canal Repair - This project will use two methods to repair a portion of the Ben Franklin Canal Pipeline in Penryn, CA. Approximately 450 feet of the pipe will be repaired using Cured-in-Place Pipe (CIPP) that will be installed inside the existing pipeline. A new 1000 feet, 12" PVC pipeline will be installed downstream and tie back in to the existing system.
2. Foothill Raw Water Pipeline - This project proposes to complete the untreated pipeline between Ophir Pump Station and Foothill Water Treatment Plant in accordance with the 2015 water purchase agreement between PG&E and PCWA. This pipeline will allow PCWA to provide water directly to Foothill Water Treatment during the annual fall outage or in case of an emergency if PG&E's South Canal was unavailable.
3. Hayford Siphon Phase 2 - This project will replace approximately 2,900 LF of 30" riveted steel pipe with 36" ductile iron pipe. The siphon is part of the Boardman Canal system. A portion of the pipe crosses beneath the Union Pacific Railroad.

The project also includes as new siphon inlet structure to replace the existing inlet structure that has also reached the end of operational life.

4. Lower Banvard Pipe (I-80 Crossing Auburn) - This project will replace approximately 500 LF of the existing 20" steel pipe in the Caltrans right-of-way of Interstate 80.
5. South Sutter Automation - Automation of zone 5 to increase operational efficiency.

Raw Water Storage Projects

Raw Water Storage projects include repair, modification, or installation of new infrastructure related to the storage of raw water. The infrastructure includes, but is not limited to, storage tanks, stand pipes, reservoirs, dams, spillways, and associated appurtenances, and electrical systems and instrumentation.

1. Lake Alta Emergency Action Plan - Studies will be performed to prepare and submit Emergency Action Plans, identify critical appurtenant structures (CAS), and submit Inundation Maps for response to possible dam failure events. This is requirement of the Division of Safety and Dams.
2. Lake Arthur Emergency Action Plan - Studies will be performed to prepare and submit Emergency Action Plans, identify critical appurtenant structures (CAS), and submit Inundation Maps for response to possible dam failure events. This is requirement of the Division of Safety and Dams.
3. Lake Theodore Emergency Action Plan - Studies will be performed to prepare and submit Emergency Action Plans, identify critical appurtenant structures (CAS), and submit Inundation Maps for response to possible dam failure events. This is requirement of the Division of Safety and Dams.
4. Lake Alta Dam Modifications - Improvements are necessary to the two dams to comply with current Division of Safety of Dams (DSOD) requirements. Anticipated work includes raising the dams to meet current freeboard requirements and removing trees that may impact the integrity on the dam.

Field Services Projects

Field Service projects repair and/or replace portions of the system that have deteriorated due to age such as canal guniting, flume components, and sections of pipe and services. The purpose of these projects is to minimize leaks and optimize the efficiency of the water system throughout the year.

1. Raw Water Maintenance Projects – Moonshine Flume, Preliminary work on Weimar Institute Flume, replace understructure on Rock Springs Flume and steel on Crow's Flat Flume and John's Flume.
2. Gunite - Various locations throughout the system.
3. Treated Water Maintenance Projects - Broadview Ave., Commercial St., Kennedy St. and Racetrack St. in Auburn.

Other Projects

These projects typically include SCADA, security, and general facility and site improvement projects.

1. Fire Alarm and Suppression Assessment – Analysis of required fire suppression and central fire alarm systems and installation of said systems at the Drinking Water Operations Building at 185 Ferguson Drive and occupied portions of the Maidu Field Services Facilities.
2. SCADA – Telemetry Upgrades - The work will include, but is not limited to, a new PLC Controllogix, chassis, IO modules, mounting assemblies, swing arms, IO conversion and Ethernet IP conversion at the Bowman WTP.
3. Various HVAC/Environmental Control Upgrades - This project includes the design of new HVAC units and controls at the Foothill WTP and Business Center.
4. Water System Security Improvements - This project will upgrade, expand, and network the physical and electronic security systems at three agency sites – Ferguson, Maidu, and Foresthill. The project also includes installation of a new security network for handling security related data.

Supplemental Information

WATER FACTS

| | | |
|--------------------|---|-------------------------|
| 1 Cubic Foot | = | 7.48 GAL |
| 100 Cubic Feet | = | 748 GAL |
| 100 Cubic Feet | = | 1 CCF (std. bill unit*) |
| 1 Acre Foot** | = | 43,560 CF |
| 1 Acre Foot** | = | 325,851 GAL |
| 1 CFS | = | 448.8 GPM |
| 1 CFS | = | 646,272 GPD |
| 1 CFS for 24 hours | = | 1.98 AF |
| 1 CFS for 30 days | = | 59.5 AF |
| 1 CFS for one year | = | 724 AF |
| 1 Gallon | = | 8.34 Pounds |
| 1 MGD | = | 3.07 AF per day |
| 1 MGD | = | 1,120 AF per year |
| 1 Miner's Inch | = | 11.22 GPM |
| 1 Miner's Inch | = | 16,157 GPD |
| 1 Miner's Inch | = | 1.49 AF for 30 days |
| 1 Miner's Inch | = | 18.10 AF for 1 year |

ABBREVIATIONS

| | | | | | |
|-----|---|-----------------------|-----|---|-------------------------|
| AF | = | Acre foot | GAL | = | Gallon |
| CF | = | Cubic foot | GPD | = | Gallons per day |
| CCF | = | 100 Cubic feet | GPM | = | Gallons per minute |
| CFS | = | Cubic foot per second | MGD | = | Million gallons per day |

* The Agency bills per unit of measure, which is 100 cubic feet (unit).

** An acre-foot of water is enough to cover one acre of land one foot deep.





PLACER COUNTY WATER AGENCY
SINCE 1957

| | |
|-------------------------------|------------------------|
| BOARD OF DIRECTORS | BUSINESS CENTER |
| Gray Allen, District 1 | 144 Ferguson Road |
| Primo Santini, District 2 | MAIL |
| Mike Lee, District 3 | P.O. Box 6570 |
| Robert Dugan, District 4 | Auburn, CA 95604 |
| Joshua Alpine, District 5 | PHONE |
| | (530) 823-4850 |
| | (800) 464-0030 |
| Einar Maisch, General Manager | WWW.PCWA.NET |

OVERVIEW OF THE PLACER COUNTY WATER AGENCY

Placer County Water Agency (PCWA) was created in 1957 under its own state legislative Act entitled the “Placer County Water Agency Act.” The Agency is self-governed with policy and regulatory decisions determined by an independently elected five member Board of Directors. Highly experienced men and women working together as a team under administrative direction of a General Manager provide Agency services and activities. Since its inception the Agency has been actively involved in Placer County’s 1,500 square miles on a wide variety of water and energy issues.

Agency Wide

Agency officials understand the complexities, interrelationships and importance of sustaining reliable and affordable water and energy for Placer County’s present and future needs. The Agency holds extensive “area of origin” surface water entitlements on the Middle Fork American River and long-term contracts for Yuba River water which are used to serve retail and wholesale customers within Placer County. The Agency is actively involved in numerous collaborative partnerships, watershed stewardship, surface and groundwater management integrated water resource planning, and regional infrastructure projects. These include involvement in water issues affecting the Lake Tahoe and Truckee River, the American River, the Yuba/Bear Rivers, the Sacramento River and the Bay/Delta system. Advocacy for water entitlements and energy resources for all Placer County residents are at the forefront of Agency Wide interests and activities.

Power System

The Agency’s Power System was established with the construction of the Middle Fork American River Hydroelectric Project (MFP) that began in 1963 and was completed in 1967. The Agency owns and operates five interconnected hydroelectric power plants, two large storage reservoirs (French Meadows and Hell Hole), two small regulating reservoirs and twenty-four miles of tunnels. With approximately 347,000 acre-feet of gross water storage capacity and 232.4 megawatts of reliable generating capacity, the MFP produces an average 1 million megawatt hours of hydroelectric power each year that is sold directly to California Independent System Operator (CAISO). This is sufficient to provide reliable power to nearly a quarter of a million retail residential electricity customers. In addition to energy sales, the MFP also provides energy-related products that are sold through bilateral contracts, which includes resource adequacy, renewable energy credits and carbon free credits. The Project also provides important public recreational opportunities enabling public access to lands and reservoirs, including campgrounds and boating facilities as constructed by the Agency and operated through the U.S. Forest Service.

Water System

The Agency’s Water System was established in 1968. It has become the largest water purveyor in the county serving more than 40,000 water accounts. Surface water supplies are purchased from PG&E (from the Yuba/Bear Rivers) and Agency Wide (from the American River). The Agency owns and operates over 165 miles of untreated water canals, ditches, flumes and pipelines in addition to several small reservoirs, most of which were built in the Gold Rush era. A significant amount of Agency untreated water irrigates pastures, orchards, rice fields, farms, ranches, golf courses and landscaping. The Agency owns and operates 8 water treatment plants, 26 water tanks, and over 600 miles of treated water pipelines. Treated surface water is sold directly to Agency customers residing in Auburn, Colfax, Loomis, Rocklin, portions of Roseville and throughout various unincorporated areas of Placer County. Agency treated water is sold wholesale to the City of Lincoln and other purveyors who retail it directly to their customers. The Agency also utilizes groundwater to occasionally supplement surface water supplies when needed in Western Placer County.

Inquiries may be referred to the PCWA Customer Service Center at (530) 823-4850 or via www.pcwa.net.

Placer County Water Agency

AUTHORIZED POSITIONS As of: October 17, 2019

The following is a summary of authorized regular positions of the Agency.

GOVERNANCE POSITIONS:

| | |
|--------------------|---|
| BOARD OF DIRECTORS | 5 |
|--------------------|---|

STAFF POSITIONS:

REGULAR: Regular positions are also referred to as “full time” or “core” positions and each is budgeted at 2,080 hours annually (40 hour week x 52 weeks). This table represents staff as they are primarily budgeted, although some staff provides support to other divisions. Agency Wide labor and benefit costs are almost entirely allocated to Power and Water Divisions through service level support.

| Departments | Agency | | | Total |
|--------------------------------|-------------|-------------|--------------|------------|
| | Wide | Power | Water | |
| General Manager | 2 | | | 2 |
| Administrative Services | 8.5 | | | 8.5 |
| Energy Marketing | | 4 | | 4 |
| Finance | 12.5 | 1 | | 13.5 |
| Legal Office | 0.3 | 0.3 | 0.3 | 1 |
| Strategic Affairs | 2 | | | 2 |
| Customer Services | 2 | | 31 | 33 |
| Field | | | 56 | 56 |
| Technical Services | | | | |
| • Drinking Water Operations | | | 36 | 36 |
| • Engineering | | 2 | 25 | 27 |
| • Information Technology | 10 | | | 10 |
| Power Generation* | | 37 | | 37 |
| REGULAR POSITIONS TOTAL | 37.3 | 44.3 | 148.3 | 230 |

*4 FTE's are authorized but not budgeted

Prepared by:



Placer County Water Agency

144 Ferguson Road

Auburn, CA 95603

www.pcwa.net