



PCWA

2021 Annual Budget



Placer County Water Agency
Auburn, California

2021 Budget



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

**Prepared by the Department of Financial Services
Adopted November 19, 2020**



**PLACER COUNTY WATER AGENCY
TABLE OF CONTENTS
2021 BUDGET**

Transmittal Memorandum1

Annual Budget

Combined Agency Budget

2021 Combined All-Inclusive Expense Budget13
2021 Combining Budget Schedule.....14

Agency Wide

2021 Budget Schedule.....15
Statement of Expenses by Department and Category17
Statement of Revenues, Expenses and Changes in Net Position - Actual and Budget18
Reserves.....19

Power Division

2021 Budget Schedule.....21
Statement of Expenses by Department and Category22
Statement of Revenues, Expenses and Changes in Net Position - Actual and Budget23

Water Division

2021 Budget Schedule25
2021 Revenue Budget Schedule.....26
Statement of Expenses by Department and Category27
Rate Funded Projects - Five Year Projected Capital Sources and Uses.....28
Water Connection Charge (WCC) - 2021 Budget Schedule29
Water Connection Charge (WCC) - Five Year Projected Capital and Resource Needs.....30
Statement of Revenues, Expenses and Changes in Net Position - Actual and Budget31
Reserves33

Summary Routine Capital - Agency Wide, Power Division and Water Division.....34

Capital Investment Program

2021 Capital Investment Program37
2021 Capital Investment Program - Five Year Plan.....45
2021 Capital Investment Program Project Descriptions55

Supplemental Information

Overview of the Placer County Water Agency65
Agency Authorized Positions as of November 19, 202066





MEMORANDUM

DATE: November 8, 2020

TO: Chair and Members of the Board of Directors

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

RE: **Transmittal for the Adopted 2021 Placer County Water Agency Budget**

Overview

2021 Combined All-Inclusive Expense Budget

The Adopted 2021 Placer County Water Agency (Agency) Budget totals \$109.2 million, which is comprised of:

• Agency Wide Operating	\$ 2.7 million
• Power Division Operating	28.3 million
• Water Division Operating	42.9 million
• Combined Capital	35.3 million
	<hr/>
	\$109.2 million
	<hr/>

Overall, the Adopted 2021 Combined Agency Budget of \$109.2 million is \$6.1 million less than the 2020 Adjusted Budget almost entirely due to the decrease in capital project funding. The 2021 Combined Operating Budgets have stayed relatively flat over the Adjusted 2020 Budget, with slight changes: increase of \$0.4 million in the Water Division, \$0.3 million in the Power Division and a decrease of \$0.6 million in Agency Wide.

2021 Adopted Budget – Budget Unit Overview

Agency Wide

The 2021 Agency Wide Budget totals \$9.6 million, including \$2.7 million in operating and \$6.9 million in capital project funding. The revenue budget is decreased \$6.3 million or 67.3% over the 2020 Adjusted Budget, resulting from the Agency's 2020 receipt of \$6.1 million from the

Middle Fork Project Finance Authority (MFPFA) Net Revenue Distributions. This was the first time in the history the MFPFA has made a distribution.

The Operational Expense Budget is decreased from the 2020 Adjusted Budget by a net amount of \$643,000 or 19.2% based on the following:

- General Manager's Office is a net decrease of \$83,000 attributed to a decrease in labor and benefits with the retirement of two long time employees, netted with a decrease in membership dues.
- Administrative Services is a net decrease of \$141,000, largely because of a reduction in the insurance budget to be more in line with actuals.
- Financial Services is a net increase of \$88,000 attributed to a \$77,000 increase in labor and benefits as a result of the salary survey, and an increase in contracted services for \$11,000. A salary survey was conducted in 2020, with the objective of assessing the competitiveness of Agency salaries in comparison to current labor market rates. The salary range adjustments resulting from the negotiated salary survey were approved September 17, 2020 and implemented in October 2020.
- Technical Services - Engineering is a net decrease of \$332,000 for cost share agreements for which the budget has been transferred to the General Manager's Office – Strategic Affairs Resource Management for centralization.
- Information Technology is a net increase of \$205,000, which includes an increase in labor and benefits of \$215,000 for the addition of a new IT Security position, and software-licensing increase of \$142,000. These increases are netted with a decrease in phone and internet services totaling \$73,000 and contracted IT services totaling \$70,000.
- Agency Wide Routine Capital decreased \$30,000 because of a reduction in identified capital needs for 2021.

These overall changes in the 2021 Agency Wide departmental operating budgets are shared through the service level support by a detailed Cost Allocation Plan process whereby the costs are allocated to the benefitting funds: Power Division, Water Division and capital projects are appropriately allocated support costs totaling \$11.1 million.

Power Division

The 2021 Power Division Budget totals \$38.3 million including \$28.3 million in operating and \$10.0 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 budgeted revenue equals the combined 2021 operating and capital projects budgets. 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 recorded by the Authority, not PCWA, the Power Division receives appropriations from the Authority for budgeted costs.

The Operational Expense Budget is increased from the 2020 Adjusted Budget by a net amount of \$356,000 or 1.3% based on the following:

- Technical Services is a net decrease of \$256,000, which is mostly a result of not budgeting for cloud seeding. This provides a savings of \$320,000. There is a budget reduction of \$177,000 associated with the centralization of certain consultants to the Office of the General Manager. These savings were netted with an increase of \$246,000 for the costs associated with a ramp up in FERC license implementation expenditures due to the license issuance in June 2020.
- Power System is a net increase of \$380,000, which is primarily attributed to an increase of \$338,000 in labor and benefits as a result of the 2020 salary survey. Additionally, contracted services increased \$69,000, which includes increases for stream gauging, consulting on FERC matters, and monitoring. These increases are netted with decreases in operating supplies totaling \$49,000, for fuel and oil, office supplies and equipment, and general repair and maintenance costs.
- Energy Marketing is a net decrease of \$139,000 with labor and benefits contributing \$39,000 to this decrease with the shift of a portion of a position into the Office of the General Manager, netted with increases to other labor and benefit changes. Additionally, contracted services decreased \$58,000 for less projected legal and consulting costs, and operating services decreased \$46,000 for less forecasting and travel expenses.
- Office of the General Manager is a net increase of \$171,000 primarily because of centralizing consulting and membership dues costs to Strategic Affairs Resource Management, resulting in increases of \$80,000 and \$44,000 to contracted services and operating services, respectively. Labor and benefits also contributed \$47,000 to the increase, with the shift of a portion of a position from Energy Marketing.
- Administrative Services increased \$91,000 for anticipated rising insurance costs.
- Service Level Support is increased \$296,000 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 Power Division.

- Routine Capital is decreased \$290,000 because of a reduction in capital equipment needs in 2021.

Water Division

The 2021 Water Division Budget totals \$61.3 million, which is comprised of a \$42.9 million operating budget, \$11.7 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 2021 Adopted water sales revenue includes a 0.8% Consumer Price Index cost escalation increasing water sales revenue by \$428,000. This adjustment is part of the five year rate plan approved by the PCWA Board of Directors in 2017, effective January 1, 2018, in which an annual increase for years 2019 -2022 is limited to the lower of the CPI-U increase or the actual cost of service increase and requires Board approval.

The Operational Expense Budget is increased from the 2020 Adjusted Budget by a net amount of \$426,000 or 1.0% based on the following:

- Customer Services is a net increase of \$102,000, primarily due to an increase in labor and benefits of \$106,000 and contracted services for increases in legal, janitorial services and landscaping totaling \$78,000. These increases are netted with a decrease of \$26,000 in temporary labor and \$56,000 in security services.
- Field Services is a net increase of \$77,000, attributed to an increase of \$11,000 for generator rental in preparation for Public Safety Power Shutoff events. In addition, Purchased Water increased a net \$43,000 due to a CPI price increase in the PG&E contract of 1.2%. These increases are netted with a decrease in contracted services and operating supplies.
- Technical Services is a net increase of \$133,000, largely due to increased labor and benefits costs totaling \$342,000 resulting from the 2020 salary survey. Additionally, the department's budget includes increases to operating services and supplies including \$200,000 in compliance for the American Water Infrastructure Act (AWIA) requirement of a Risk Assessment and Emergency Response Plan, DWO compliance increase of \$59,000 for permitting fees and a Quadrennial Testing requirement for cranes, and an increase in small tools and general maintenance for implementation of SCADA improvements totaling \$93,000. These increases are netted with a decrease in electricity totaling \$575,000.

- Service Level Support is increased \$335,000 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 decreased \$526,000 because of a reduction in vehicle and computer replacement needs in 2021.

Capital Investment Program Budget – 2021 and Five Year (2021 – 2025)

The Agency's Five Year (2021– 2025) Capital Investment Program (CIP) totals \$158.4 million and is comprised of the following: Agency Wide totals \$4.7 million, Power Division totals \$67.3 million and Water Division totals \$86.4 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 2021 CIP totals \$24.9 million and is detailed as follows:

Agency Wide

The 2021 Agency Wide CIP Budget totals \$3.2 million, \$765,000 for Agency Wide Capital Improvements and \$2.5 million for County-Wide Master Plan – Agency Stewardship projects. The largest Agency Wide capital improvement project being the IT Systems Environment & Infrastructure Improvements. The County-Wide Master Plan – Agency Stewardship projects, funded from the 2020 Middle Fork Project Finance Authority Net Revenue Distributions, includes \$1.3 million for the Colfax Water Treatment Plant (Upper Zone 6 Regional Supply Assessment), \$450,000 each for Duncan Hill Treated Water Improvements and Barton Road Pipeline, \$150,000 for the Colfax to Applegate Regionalization Study, and \$120,000 to the West Placer Canal Environmental Permitting and Monitoring Project. 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, RiverArc, and Enterprise Resource Planning.

Power Division

The 2021 Power Division CIP Budget totals \$10.0 million with the largest project being the Middle Fork Powerhouse Switchyard Upgrades totaling \$2.4 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 \$6.4 million in upgrade projects and \$18.1 million in maintenance projects. The largest upgrade and maintenance projects of the Five Year CIP are the Sediment Removal totaling \$6.0 million, the Ralston Penstock Inspection totaling \$4.0 million, and the French Meadows Powerhouse Turbine PRV Replacement totaling \$2.9 million.

Additionally, with issuance of a new FERC license (received June 2020) the Agency is required to implement FERC enhancement projects based on the new license terms, which have an estimated cost of \$42.8 million. Because of the FERC license issuance, the Power Division Five Year CIP includes a majority of these projects. The largest FERC projects of the Five Year CIP are the Duncan Creek Diversion Dam Upgrade & Recreation Trail totaling \$8.0 million, the French Meadows RV Dump Station and Campground totaling \$6.7 million, and the Hell Hole Dam Seasonal Storage totaling \$5.2 million.

Water Division

The 2021 Water Division CIP Budget totals \$11.7 million which is comprised of \$0.8 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 Ophir Pipelines – Bickford Ranch Phase 1 and Rock Creek Reservoir Pipeline and Pump Station, totaling \$8.0 million and \$2.2 million, respectively. This includes \$3.0 million budgeted in 2022 for the design and construction of transmission infrastructure through the Bickford Ranch Development project, a Treated Water Transmission & Distribution Project.

In the 2021 CIP Budget, the largest renewal, replacement and reliability capital projects are the Alta Loop Pipeline and the Hayford Siphon Replacement totaling \$2.8 million and \$1 million, respectively. Significant Five-Year CIP renewal, replacement and reliability projects include \$16.4 million for new plant construction for replacing the Colfax Water Treatment Plant (Upper Zone 6 Regional Supply Assessment), the Rocklin Pipeline Replacement Program totaling \$6.5 million and \$5.0 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

The number of authorized fulltime equivalents (FTE) is decreased by 1. There is a new position of Chief Information Security Officer in Information Technology within Technical Services, within the Agency Wide Division. However, this position will be utilizing an authorized but non budgeted Hydro Operator within Power Division. In addition, a limited term position which was authorized in 2020 will end with the planned retirement of the Payroll Technician within Department of Administrative Services in Agency Wide. Agency staff changes in the Adopted 2021 Budget will enable the Agency to address priority areas such as computer security.

With approval of the 2021 Budget the number of FTEs will be decreased by 1, with the 2017-2021 change being from 224 to 231, or 3.1%. The following table shows the number of FTEs for this five-year period, as amended or proposed by Board actions:

Department Division	2017 Adjusted Budget	2018 Adjusted Budget	2019 Adjusted Budget	2020 Adjusted Budget	2021 Adopted Budget
General Manager's Office	5	5	5	7.5	7.5
<i>General Manager</i>	2	2	2	2.5	2.5
<i>Strategic Affairs</i>	2	2	2	3	3
<i>Legal Office</i>	1	1	1	2	2
Administrative Services	19.5	17.5	8.5	9	8
<i>Human Resources & Risk</i>	9.5	8.5	8.5	9	8
<i>Public Affairs</i>	1	0	0	0	0
<i>Information Technology</i>	9	9	0	0	0
Energy Marketing	4	4	4	4	4
Financial Services	13.5	13.5	13.5	13.5	13.5
<i>Accounting & Budget</i>	10.5	9.5	9.5	9.5	9.5
<i>Procurement & Contracts</i>	2	3	3	3	3
<i>Energy Risk Administration</i>	1	1	1	1	1
Customer Services	31	33	33	33	33
<i>Public Affairs</i>	0	2	2	2	2
<i>Customer Service</i>	18	18	18	18	18
<i>Water Efficiency</i>	10	10	10	10	10
<i>Facility Maintenance</i>	3	3	3	3	3
Field Services	53	54	54	56	56
<i>Treated & Untreated Water</i>	44	45	45	47	47
<i>Vehicle & Equipment Maintenance</i>	4	4	4	4	4
<i>Support</i>	5	5	5	5	5

Technical Services	61	62	72	72	73
<i>Engineering</i>	26	27	27	26	26
<i>Drinking Water Operations</i>	35	35	35	36	36
<i>Information Technology</i>	0	0	10	10	11
Power System*	37	37	37	37	36
Total Authorized FTE's:	227	229	230	232	231
Change From Previous Year	2	2	1	2	-1

*2021 - 3 FTE's are authorized but not budgeted

Historical Staffing Narrative:

- 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.
- For 2020, the Board authorized the addition of two Service Workers in the Treated Water Division of Field Services, and one Water Quality Specialist in the Drinking Water Operations Division of Technical Services. During 2020, the Board authorized the addition of the Director of Resource Management in the Office of the General Manager. The Board also authorized repurposing of an authorized position in Technical Services within the Water Division to Deputy Staff Counsel Position in the Office of the General Manager, within the Agency Wide Division. In addition, the Board authorized a Limited Term Position in the Department of Administrative Services, which will be eliminated with an incumbent employee's anticipated retirement in June 2021.

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. The Agency does not pay the employees’ 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 2021 Agency Budget, approximately 95% of the Agency’s labor and benefits budget is attributable to operations, and the remaining 5% to capital. Total labor and benefits are projected to increase 3.8% in 2021.

Labor and Benefits by Operations and Capital				
	2020 Adjusted Budget	2021 Adopted Budget	\$ Change	% Change
Agency Wide	\$ 8,191,338	8,608,040	416,702	5.1%
Power	7,732,793	8,175,032	442,239	5.7%
Water	19,988,861	20,732,166	743,305	3.7%
Capital	2,138,999	1,976,832	(162,167)	-7.6%
Grand Total	\$ 38,051,991	39,492,070	1,440,079	3.8%

* * * * *

The 2021 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 2021 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 or funds: 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 and approved 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 2021 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 October, which provides the appropriation to the Agency's 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.

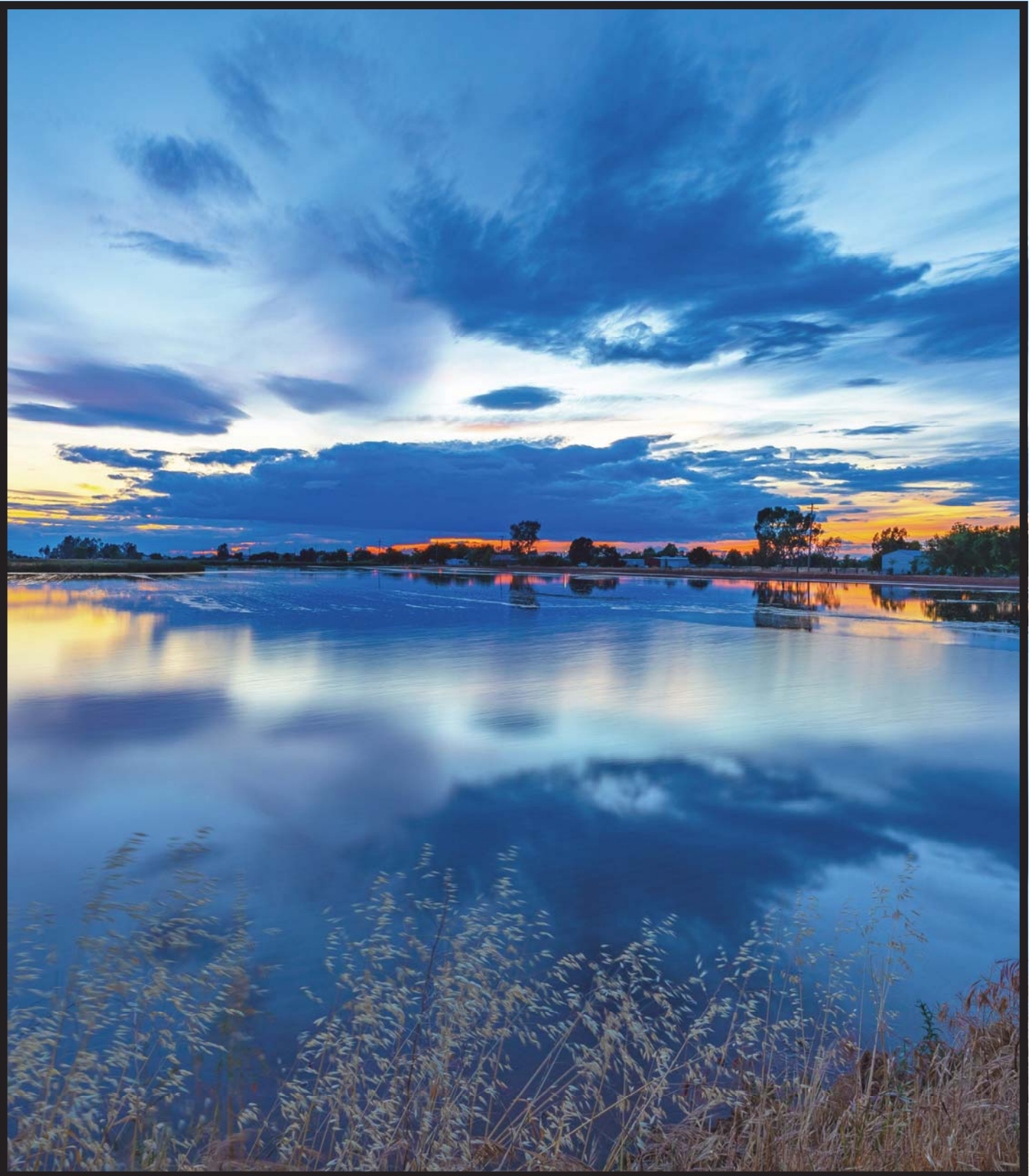
Agency Finance Committee and Board Consideration

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 2020, the Board's Finance Committee, consisting of Directors Alpine and Santini, met on July 2nd to review the 2021 Budget Timeline, and the Proposed 2021 Power Division Budget. The Committee met again on August 20th and August 27th to discuss the Proposed 2021 Agency Wide and Water Division Budgets and October 15th to discuss the Proposed 2021 Combined Agency Budget. Comments and suggestions from those meetings have been incorporated into the final budget document.

This Page Left Intentionally Blank

Annual Budget



Agricultural Land, Placer County

Placer County Water Agency
2021 Combined All-Inclusive Expense Budget

	2021 Adopted			Total
	Agency Wide	Power Division	Water Division	
Operating Expenses				
Total Operating Expenses	\$ 2,699,990	28,315,238	42,871,614	73,886,842
Capital Investment Program				
Middle Fork Project Infrastructure Projects	-	10,049,060	-	10,049,060
Reserves Funded Projects	6,904,407	-	-	6,904,407
Rates Funded Projects	-	-	10,889,300	10,889,300
Expansion Projects	-	-	810,000	810,000
Project Debt Service Costs (Rates and Expansion)	-	-	6,696,000	6,696,000
Total Capital Investment Program	6,904,407	10,049,060	18,395,300	35,348,767
Total Expense Budget	\$ 9,604,397	38,364,298	61,266,914	109,235,609

**Placer County Water Agency
2021 Combining Budget Schedule**

	2021 Adopted			Combined Total
	Agency Wide	Power Division	Water Division	
Revenue				
Water Sales	\$ 800,000	-	53,807,700	54,607,700
MFPFA Appropriation	-	38,364,298	-	38,364,298
Other Revenue	2,280,000	-	2,729,000	5,009,000
Total Revenue	3,080,000	38,364,298	56,536,700	97,980,998
Operations				
Board of Directors	226,216	-	-	226,216
General Manager's Office:				
General Manager	702,588	-	-	702,588
Legal Services	237,712	102,692	148,094	488,498
Strategic Affairs - Resource Management	1,775,460	860,765	-	2,636,225
Administrative Services	3,880,313	1,446,506	-	5,326,819
Customer Services	353,732	-	5,499,375	5,853,107
Field Services	-	5,000	13,578,620	13,583,620
Financial Services	2,303,857	1,407,791	-	3,711,648
Power System	-	14,514,844	-	14,514,844
Energy Marketing	-	1,506,832	-	1,506,832
Technical Services	3,034,712	3,274,808	13,035,118	19,344,638
Non-departmental Expenses	932,900	1,155,000	3,263,100	5,351,000
Service Level Support (Note 1)	(11,090,000)	3,621,000	6,423,000	(1,046,000)
Routine Capital	342,500	420,000	924,307	1,686,807
Total Operations	2,699,990	28,315,238	42,871,614	73,886,842
Capital Projects				
Capital Investment Program Appropriation	6,904,407	10,049,060	10,889,300	27,842,767
Project Debt Service	-	-	3,632,000	3,632,000
Total Capital Uses (Note 2)	6,904,407	10,049,060	14,521,300	31,474,767
Summary				
Total Revenue	3,080,000	38,364,298	56,536,700	97,980,998
Total Operations	2,699,990	28,315,238	42,871,614	73,886,842
Total Capital Projects	6,904,407	10,049,060	14,521,300	31,474,767
Revenue Under Expenses	(6,524,397)	-	(856,214)	(7,380,611)
(To) From Reserves	6,524,397	-	856,214	7,380,611
Net	\$ -	-	-	-

Note 1 - Service Level Support - Based on the 2021 Cost Allocation Plan, \$11,090,000 of **service level support** is attributed to **operating** divisions (\$3,621,000 to the Power Division and \$6,423,000 to the Water Division) and \$1,046,000 is attributed to capital projects.

Note 2 - Water Connection Charge (WCC) funds are restricted, therefore, the **2021 Water Connection Charge Capital Projects and Debt Service** totaling \$3,874,000 are not included on this Combining Budget Schedule, and are shown separately on page 29. WCC Capital Projects and Debt Service are included on the Combined All-Inclusive Expense Budget on page 13.

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
2021 Budget Schedule

	2020 Adjusted Budget	2021 Adopted Budget
Revenue		
MFPFA Net Revenue Distribution	\$ 6,139,407	-
Water Sales (Long-term Contracted)	872,714	800,000
Interest Earnings	450,000	450,000
Property Tax	1,200,000	1,075,000
Rental Income	690,000	690,000
Other	70,000	65,000
Total Revenue	9,422,121	3,080,000
Operations		
Board of Directors (Note 1)	225,936	226,216
General Manager's Office:		
General Manager	827,490	702,588
Legal Services (Note 2)	167,364	237,712
Strategic Affairs - Resource Management (Note 3)	1,803,414	1,775,460
Administrative Services	4,021,534	3,880,313
Customer Services - Public Affairs	353,430	353,732
Financial Services	2,216,255	2,303,857
Technical Services:		
Engineering	367,744	35,646
Information Technology	2,794,327	2,999,066
Non-departmental Expenses	826,700	932,900
Service Level Support (Note 4)	(10,633,633)	(11,090,000)
Routine Capital	372,500	342,500
Total Operations	3,343,061	2,699,990
Capital Projects		
Capital Investment Program	2,085,000	765,000
County Wide Master Plan - FAP	185,000	3,683,644
County Wide Master Plan - Agency Stewardship	-	2,455,763
Total Capital Projects	2,270,000	6,904,407
Summary		
Total Revenue	9,422,121	3,080,000
Total Operations	3,343,061	2,699,990
Total Capital Projects	2,270,000	6,904,407
Revenue Under Expenses	3,809,060	(6,524,397)
(To) From Reserves	(3,809,060)	6,524,397
Net	\$ -	-

See Notes on following page.

Placer County Water Agency
Agency Wide
2021 Budget Schedule

Note References for Page 15

- 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 - 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. In 2020, a need was identified for additional legal assistance and on June 6, 2020 the Board approved two job classifications; Legal Analyst and Deputy Staff Counsel. Labor and benefits are budgeted to each budget unit. Other operating expenses for Legal are budgeted 100% to Agency Wide and allocated annually through service level support.
- Note 3 - Strategic Affairs - Resource Management** was restructured in 2020, expanding the Strategic Affairs function and establishing the addition of a Director of Resource Management by Board action on February 6, 2020.
- Note 4 - 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 2021 Cost Allocation Plan, \$10,044,000 of service level support is attributed to operating divisions and \$1,046,000 is attributed to capital projects as follows:

	2020 Adjusted Budget	2021 Adopted Budget
Service Level Support:		
Power Division (Operations)	\$ (3,324,800)	(3,621,000)
Water Division (Operations)	(6,087,833)	(6,423,000)
Capital Projects	(1,221,000)	(1,046,000)
	\$ (10,633,633)	(11,090,000)

Placer County Water Agency
Agency Wide
Statement of Expenses by Department and Category
2021 Budget Schedule

Operating Expenses	2020 Adjusted Budget	2021 Adopted Budget
Expenses by Department:		
Board of Directors	\$ 225,936	226,216
General Manager's Office (Note 1)	2,798,268	2,715,760
Administrative Services	4,021,534	3,880,313
Customer Services - Public Affairs	353,430	353,732
Financial Services	2,216,255	2,303,857
Technical Services	3,162,071	3,034,712
Non-departmental Expenses (Note 2)	826,700	932,900
Service Level Support	(10,633,633)	(11,090,000)
Routine Capital	372,500	342,500
Total Departmental Expenses	\$ 3,343,061	2,699,990
Expenses by Category:		
Personnel Services (Salary & Benefits)	\$ 8,191,338	8,608,040
Operating Supplies	178,050	182,150
Operating Services	1,690,002	1,851,950
Insurance (Note 3)	1,010,050	850,000
Contracted Services	2,534,754	1,955,350
Service Level Support	(10,633,633)	(11,090,000)
Routine Capital	372,500	342,500
Total Expenses by Category	\$ 3,343,061	2,699,990

Note 1 - General Manager's Office was organized in 2020 to combine General Manager, Legal Services and Strategic Affairs - Resource Management.

Note 2 - Non-departmental Expenses include benefit payments previously included within the Department Budgets.

Non-departmental Expenses	2020	2021
Other Post Employment Benefits (Retiree Health) Pre-Funding	144,000	147,400
CalPERS Unfunded Actuarial Liability Required Contribution	587,700	690,500
CalPERS Unfunded Actuarial Liability Discretionary Contribution	90,000	90,000
Workers' Compensation Claim Allowance	5,000	5,000
	\$ 826,700	932,900

Note 3 - Insurance for Agency Wide and Water Division is budgeted in Agency Wide and allocated through Service Level Support. Property 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 2016 - 2021

	Audited 2016	Audited 2017	Audited 2018	Audited 2019	Adjusted 2020 Budget	2021 Adopted Budget
Operating Revenue:						
Water Sales (Long-term Contracted)	1,250,787	1,345,747	1,151,413	1,339,457	872,714	800,000
MFPFA Net Revenue Distribution (Note 1)	-	-	-	-	6,139,407	-
Other	122,817	75,529	31,264	86,170	60,000	54,999
Total Operating Revenue	1,373,604	1,421,276	1,182,677	1,425,627	7,072,121	854,999
Operating Expenses:						
General and Administrative (Note 2)	2,510,524	1,795,452	1,181,770	1,136,134	2,970,561	2,357,490
Depreciation (Note 3)	691,330	650,842	913,666	915,671	-	-
Total Operating Expenses	3,201,854	2,446,294	2,095,436	2,051,805	2,970,561	2,357,490
Operating Income (Loss)	(1,828,250)	(1,025,018)	(912,759)	(626,178)	4,101,560	(1,502,491)
Non-Operating Revenue:						
Water Sales (One-time)	-	-	-	-	-	-
Costs Recovered from Other Agencies	66,294	257,673	78,431	72,418	74,000	74,000
Investment Income (Note 4)	269,526	410,305	545,015	1,500,264	450,000	450,000
Property Taxes	891,465	927,340	1,054,705	1,140,713	1,200,000	1,075,000
Rental Income	556,000	566,000	583,000	634,000	690,000	690,000
Other	(37,383)	(72,363)	101,771	(74,637)	(64,000)	(63,999)
Total Non-Operating Revenue	1,745,902	2,088,955	2,362,922	3,272,758	2,350,000	2,225,001
Transfers	237,377	-	(720,380)	(125,000)	-	-
Net	155,029	1,063,937	729,783	2,521,580	6,451,560	722,510
Beginning Net Position	40,645,960	40,800,989	41,864,926	37,384,749	39,906,329	46,357,889
Restatement (Note 5)	-	-	(5,209,960)	-	-	-
Ending Net Position	40,800,989	41,864,926	37,384,749	39,906,329	46,357,889	47,080,399

Note 1 - MFPFA Net Revenue Distribution - At the July 16, 2020 Board meeting, the MFP Finance Authority authorized the distribution of remaining net revenues from prior year operations.

Note 2 - The General and Administrative operating expense budget does not include depreciation and excludes routine capital as these items are capitalized.

Note 3 - Depreciation - Included in the audited Financial Statement but it is not budgeted because it is not a cash outlay.

Note 4 - Investment Income - Includes interest earnings and mark to market adjustment on investments.

Note 5 - Net Position Restatement - 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
2021 Budget Schedule

	2020 Activity						
	January 1,	Budget	CY Board	CY	2020	2021	2021
	2020	Sources/ (Uses)	Approved (Uses)		Year-end Estimated Balance	Adopted Sources (Uses)	Year-end Estimated Balance
Operating Reserve:							
Contingencies	\$ 1,690,380				1,690,380		1,690,380
Operational	1,216,979	598,327	(773,674)		1,041,632	310,010	1,351,642
General Elections (Note 1)	70,000	(70,000)			-	70,000	70,000
Total Operating Reserve	2,977,359	528,327	(773,674)	-	2,732,012	380,010	3,112,022
Capital Reserve:							
Routine Capital Replacement	843,006				843,006		843,006
Future Facility Needs	-				-		-
Renewable Energy Facilities	-				-		-
Administration Building Maintenance and Improvements	1,647,292	(340,000)	(400,000)		907,292	(580,000)	327,292
Total Capital Reserve	2,490,298	(340,000)	(400,000)	-	1,750,298	(580,000)	1,170,298
Liabilities Reserve:							
Compensated Absences (current portion)	1,371,157				1,371,157		1,371,157
Insurance Claim Liability/Deductible	271,487				271,487		271,487
Unfunded Pension Liability	500,000				500,000		500,000
Total Liabilities Reserve	2,142,644	-	-	-	2,142,644	-	2,142,644
Specific Activities, Programs and Special Projects Reserve:							
MFPFA Net Revenue Distributions (To Be Allocated)	-		6,139,407		6,139,407	(6,139,407)	-
MFP Water Rights Permit Extension	1,833,569	(835,000)			998,569	(135,000)	863,569
Financial Assistance Program	58,983			12,000	70,983		70,983
Legal Defense Reserve Fund	2,685,714				2,685,714		2,685,714
Enterprise Resource Planning (ERP) System Replmnt (AW portion)	242,375				242,375		242,375
Stewardship Matters	2,165,811		(380,000)		1,785,811		1,785,811
Yuba/Bear River Water Supply Reliability	-				-		-
Regional Water Supply Reliability Program	3,824,132	(130,000)			3,694,132	(50,000)	3,644,132
Regulatory Mandates	-				-		-
Catastrophic Events and Disaster Recovery	1,941,067				1,941,067		1,941,067
Total Specific Activities, Programs and Special Projects Reserve	12,751,651	(965,000)	5,759,407	12,000	17,558,058	(6,324,407)	11,233,651
Total Agency Wide Reserves	\$ 20,361,952	(776,673)	4,585,733	12,000	24,183,012	(6,524,397)	17,658,615

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

This Page Left Intentionally Blank

Power Division



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
Power Division
2021 Budget Schedule

	2020 Adjusted Budget	2021 Adopted Budget
Revenue		
MFPFA Appropriation (Note 1)	\$ 38,040,671	38,364,298
Total Revenue	38,040,671	38,364,298
Operations		
Administrative Services	1,355,893	1,446,506
Field Services	5,000	5,000
Financial Services	1,409,884	1,407,791
General Manger's Office:		
Legal Services	142,088	102,692
Strategic Affairs - Resource Management	650,771	860,765
Power System	14,134,915	14,514,844
Energy Marketing	1,645,742	1,506,832
Technical Services	3,530,912	3,274,808
Non-departmental Expenses (Note 2)	1,049,300	1,155,000
Service Level Support	3,324,800	3,621,000
Routine Capital	710,000	420,000
Total Operations	27,959,305	28,315,238
Capital Projects		
Capital Investment Program	10,081,366	10,049,060
Total Capital Projects	10,081,366	10,049,060
Summary		
Total Revenue	38,040,671	38,364,298
Total Operations	27,959,305	28,315,238
Total Capital Projects	10,081,366	10,049,060
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.

<u>Non-departmental Expenses</u>	2020	2021
Other Post Employment Benefits (Retiree Health) Pre-Funding	\$ 171,000	151,100
CalPERS Unfunded Actuarial Liability Required Contribution	718,300	843,900
CalPERS Unfunded Actuarial Liability Discretionary Contribution	110,000	110,000
Workers' Compensation Claim Allowance	50,000	50,000
	<u>\$ 1,049,300</u>	<u>1,155,000</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, 2019 totaled \$49.9 million.

Placer County Water Agency
Power Division
Statement of Expenses by Department and Category
2021 Budget Schedule

	2020 Adjusted Budget	2021 Adopted Budget
Operating Expenses		
Expenses by Department:		
Administrative Services (Note 1)	1,355,893	1,446,506
Field Services	5,000	5,000
Financial Services (Note 2)	1,409,884	1,407,791
General Manager's Office	792,859	963,457
Power System	14,134,915	14,514,844
Energy Marketing	1,645,742	1,506,832
Technical Services	3,530,912	3,274,808
Non-departmental Expenses	1,049,300	1,155,000
Service Level Support	3,324,800	3,621,000
Routine Capital	710,000	420,000
Total Departmental Expenses	\$ 27,959,305	28,315,238
Expenses by Category:		
Personnel Services (Salary & Benefits)	\$ 7,732,793	8,175,032
Operating Supplies	941,650	888,350
Operating Services	3,741,938	3,751,350
Insurance	1,355,893	1,446,506
Contracted Services	4,188,531	3,783,000
Cost Share Partnerships (Note 3)	3,460,000	3,480,000
FERC License Condition Implementation	2,503,700	2,750,000
Service Level Support	3,324,800	3,621,000
Routine Capital	710,000	420,000
Total Expenses by Category	\$ 27,959,305	28,315,238

Note 1 - The **Administrative Services** budget is comprised of property 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	2021
US Forest Service:		
Operations and Maintenance	\$ 510,000	\$ 510,000
Heavy Maintenance	80,000	80,000
Technical Services	80,000	80,000
Subtotal US Forest Service	670,000	670,000
Bureau of Land Management	270,000	270,000
Bureau of Reclamation	195,000	195,000
Placer County:		
Public Safety	898,000	909,000
Public Accessibility	587,000	592,000
Impact on County Revenues	340,000	344,000
Administration	500,000	500,000
Subtotal Placer County	2,325,000	2,345,000
Total Cost Share Partnerships	\$ 3,460,000	\$ 3,480,000

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 2016 - 2021

	Audited 2016	Audited 2017	Audited 2018	Audited 2019	Adjusted 2020 Budget	2021 Adopted Budget
Revenue:						
MFPFA Appropriation (Power Sales) (Note 1)	22,707,961	27,342,238	35,460,053	33,362,891	38,040,671	38,364,298
Total Revenue	22,707,961	27,342,238	35,460,053	33,362,891	38,040,671	38,364,298
Operating Expenses:						
Electrical Operations & Maintenance	5,544,265	9,064,042	10,625,383	9,242,533	8,670,918	8,489,421
Recreation	2,008,730	2,038,338	2,182,171	2,296,433	2,620,000	2,636,000
Technical Services	809,379	618,022	563,015	689,292	3,530,912	3,274,808
Power General and Administrative	4,199,436	3,792,880	3,858,767	4,583,773	3,898,297	4,549,423
Administrative Services	777,811	694,175	876,657	891,004	1,355,893	1,446,506
Financial Services	800,731	1,142,136	1,224,919	1,239,478	1,409,884	1,407,791
Legal Services	48,558	93,328	44,778	91,358	142,088	102,692
Strategic Affairs	-	44,587	296,547	237,456	650,771	860,765
Energy Marketing	1,678,070	1,454,704	1,377,515	1,521,093	1,645,742	1,506,832
Service Level Support	2,045,000	2,227,000	2,282,000	3,267,387	3,324,800	3,621,000
Depreciation (Note 2)	5,249,623	5,283,546	5,273,551	4,881,379	-	-
Total Operating Expenses	23,161,603	26,452,758	28,605,303	28,941,186	27,249,305	27,895,238
Operating Income (Loss)	(453,642)	889,480	6,854,750	4,421,705	10,791,366	10,469,060
Non-Operating Revenue:						
Interest Earnings and Other	10,443	11,727	251,672	555,111	-	-
Total Non-Operating Revenue:	10,443	11,727	251,672	555,111	-	-
Transfers	32,121	-	613,074	-	-	-
Net	(411,078)	901,207	7,719,496	4,976,816	10,791,366	10,469,060
Beginning Net Position	168,468,519	168,057,441	168,958,648	175,644,330	180,621,146	191,412,512
Restatement (Note 3)	-	-	(1,033,814)	-	-	-
Ending Net Position	168,057,441	168,958,648	175,644,330	180,621,146	191,412,512	201,881,572

Note 1 - MFPFA Appropriation (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 - Net Position Restatement - 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.

This Page Left Intentionally Blank

Water Division



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
Water Division
2021 Budget Schedule

	2020 Adjusted Budget	2021 Adopted Budget
Revenue		
Water Sales:		
Commodity	\$ 22,566,000	22,746,700
Fixed Charge	16,557,000	16,689,700
Renewal and Replacement	14,257,000	14,371,300
Total Water Sales	53,380,000	53,807,700
Other Revenue	2,929,000	2,729,000
Total Revenue	56,309,000	56,536,700
Operations		
Customer Services	5,397,015	5,499,375
GM Office: Legal Services	142,088	148,094
Field Services	13,501,494	13,578,620
Technical Services	12,902,133	13,035,118
Non-departmental Expenses	2,964,000	3,263,100
Service Level Support	6,087,833	6,423,000
Routine Capital	1,450,715	924,307
Total Operations	42,445,278	42,871,614
Capital Projects		
Capital Investment Program	11,240,000	10,889,300
Project Debt Service	3,636,000	3,632,000
Total Capital Projects	14,876,000	14,521,300
Summary		
Total Revenue	56,309,000	56,536,700
Total Operations	42,445,278	42,871,614
Total Capital Projects	14,876,000	14,521,300
Revenue Under Expenses	(1,012,278)	(856,214)
(To) From Reserves	1,012,278	856,214
Net	\$ -	-

Placer County Water Agency
Water Division
2021 Revenue Budget Schedule

	2020 Adjusted Budget	2021 Adopted Budget
Revenue		
Water Sales - Treated Retail:		
Commodity	\$ 16,577,000	16,709,700
Fixed Charge	12,379,000	12,478,100
Renewal and Replacement Charge	10,815,000	10,901,600
Subtotal Water Sales - Treated Retail	39,771,000	40,089,400
Water Sales - Treated Resale: (Note 1)		
Commodity	1,718,000	1,731,800
Fixed Charge	3,951,000	3,982,700
Renewal and Replacement Charge	3,190,000	3,215,600
Subtotal Water Sales - Treated Resale	8,859,000	8,930,100
Water Sales - Untreated:		
Commodity	3,962,000	3,993,700
Resale Commodity (Note 2)	309,000	311,500
Fixed Charge	227,000	228,900
Renewal and Replacement Charge	252,000	254,100
Subtotal Water Sales - Untreated	4,750,000	4,788,200
Total Water Sales	53,380,000	53,807,700
Other Revenue:		
Engineering Charges	750,000	750,000
Customer Service Charges	850,000	650,000
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	100,000	100,000
Other (Operating and Non-Operating)	190,000	190,000
Total Other Revenue	2,929,000	2,729,000
Total Revenue	\$ 56,309,000	56,536,700

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 Expenses by Department and Category
2021 Budget Schedule

	2020 Adjusted Budget	2021 Adopted Budget
Operating Expenses		
Expenses by Department:		
Customer Services	\$ 5,397,015	5,499,375
GM Office: Legal Services	142,088	148,094
Field Services	13,501,494	13,578,620
Technical Services	12,902,133	13,035,118
Non-departmental Expenses (Note 1)	2,964,000	3,263,100
Service Level Support	6,087,833	6,423,000
Routine Capital	1,450,715	924,307
Total Departmental Expenses	\$ 42,445,278	42,871,614
Expenses by Category:		
Personnel Services (Salary & Benefits)	\$ 19,988,861	20,732,166
Operating Supplies	1,974,130	2,014,225
Chemicals	806,010	805,879
Operating Services	3,592,240	3,991,290
Purchased Water	4,582,000	4,625,490
Electricity - MFP Water Pumping	1,150,000	575,000
Contracted Services	2,813,489	2,780,257
Service Level Support	6,087,833	6,423,000
Routine Capital	1,450,715	924,307
Total Expenses by Category	\$ 42,445,278	42,871,614

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

<u>Non-departmental Expenses</u>	2020	2021
Other Post Employment Benefits (Retiree Health) Pre-Funding	\$ 585,000	541,500
CalPERS Unfunded Actuarial Liability Required Contribution	1,959,000	2,301,600
CalPERS Unfunded Actuarial Liability Discretionary Contribution	300,000	300,000
Workers Compensation Claim Allowance	120,000	120,000
	\$ 2,964,000	3,263,100

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

	2020 Adjusted Budget	2021 Adopted Budget	2022 Projected Budget	2023 Projected Budget	2024 Projected Budget	2025 Projected Budget
Estimated Reserve Funds Available for Use, January 1	\$ 19,595,080	19,126,080	19,126,080	15,291,580	7,385,080	7,269,080
Capital Sources:						
Renewal & Replacement Charge Revenue (Note 1)	14,257,000	14,371,300	14,659,000	14,952,000	15,251,000	15,556,000
Interest	150,000	150,000	150,000	150,000	150,000	150,000
Total Capital Sources	14,407,000	14,521,300	14,809,000	15,102,000	15,401,000	15,706,000
Capital Uses:						
Rate Funded Projects - in Capital Plan 5-yr Budget (Note 2)	11,240,000	10,889,300	15,039,500	19,431,500	12,862,000	12,950,000
Debt Service (paid in January & June)	3,636,000	3,632,000	3,604,000	3,577,000	2,655,000	2,654,000
Total Capital Uses	14,876,000	14,521,300	18,643,500	23,008,500	15,517,000	15,604,000
Estimated Reserve Funds Available for Use, December 31	\$ 19,126,080	19,126,080	15,291,580	7,385,080	7,269,080	7,371,080

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 2022 - 2025 is projected to increase 2% per year.

Note 2 - For 2020, \$100,000 of Grant Funding is proposed 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
2021 Budget Schedule

Cash and Investments Balance - Beginning of Year	
	2020
Total WCC Balance (Restricted)	\$ 55,431,881
Less: Rate Stabilization Reserve	6,075,000
Less: Projects Funded (amount available in construction fund)	17,294,108
Estimated Funds Available for Use, January 1	\$ 32,062,773

Budget		
	2020 Adjusted Budget	2021 Adopted Budget
Estimated Funds Available for Use, January 1	\$ 32,062,773	23,707,773
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	11,305,000	810,000
Debt Service (paid in January & June)	3,050,000	3,064,000
Total Capital Uses	14,355,000	3,874,000
Estimated Funds Available for Use, December 31	\$ 23,707,773	25,833,773
<i>Estimated Equivalent Dwelling Units (EDUs) paid</i>	310	310
Water Connection Charge Debt Outstanding (at January 1)	\$ 34,942,750	33,411,650

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

	2020 Adjusted Budget	2021 Adopted Budget	2022 Projected Budget	2023 Projected Budget	2024 Projected Budget	2025 Projected Budget
Estimated Funds Available for Use, January 1	\$ 32,062,773	23,707,773	25,833,773	21,553,773	20,294,773	19,305,773
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	11,305,000	810,000	7,229,000	4,209,000	2,863,000	115,000
Debt Service (paid in January & June)	3,050,000	3,064,000	3,051,000	3,050,000	4,126,000	4,119,000
Total Capital Uses	14,355,000	3,874,000	10,280,000	7,259,000	6,989,000	4,234,000
Estimated Funds Available for Use, December 31	\$ 23,707,773	25,833,773	21,553,773	20,294,773	19,305,773	21,071,773
<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 2016 - 2021

	Audited 2016	Audited 2017	Audited 2018	Audited 2019	2020 Adjusted Budget	2021 Adopted Budget
Operating Revenue:						
Water Sales	44,914,252	47,447,458	50,884,451	53,082,618	53,380,000	53,807,700
Engineering Charges	855,627	668,978	820,177	828,159	750,000	750,000
Customer Service Charges	800,798	816,204	849,742	842,105	850,000	650,000
Other Revenue	120,944	149,487	151,482	87,239	190,000	190,000
Total Operating Revenue	46,691,621	49,082,127	52,705,852	54,840,121	55,170,000	55,397,700
Operating Expenses:						
Purchased Water	3,962,985	3,852,247	4,255,328	3,991,862	4,582,000	4,625,490
Water Treatment	7,566,013	7,676,652	8,001,420	8,664,994	8,392,299	9,061,283
Pumping Plants & Wells	586,127	587,642	747,766	517,618	1,150,000	575,000
Transmission and Distribution:						
Treated Water	2,724,957	3,018,125	3,370,479	3,600,970	3,413,035	3,355,656
Untreated Water	4,362,632	4,976,695	3,916,654	4,317,585	3,627,938	3,755,093
Operations Administration	1,298,698	1,279,894	1,149,458	1,142,520	946,231	913,557
Customer Service and Collection	3,986,300	4,960,988	3,893,793	4,759,128	4,258,211	4,373,434
Automotive & Equipment	912,549	971,032	1,040,425	1,085,973	932,290	928,824
Engineering	6,038,257	4,515,102	4,547,231	4,826,065	3,359,834	3,398,835
General and Administrative	5,996,139	6,469,435	6,582,843	7,245,844	10,332,725	10,960,135
Subtotal Operating Expenses	37,434,657	38,307,812	37,505,397	40,152,559	40,994,563	41,947,307
Depreciation (Note 1)	17,723,339	18,066,828	18,471,176	18,412,182	-	-
Total Operating Expenses	55,157,996	56,374,640	55,976,573	58,564,741	40,994,563	41,947,307
Operating Income (Loss)	(8,466,375)	(7,292,513)	(3,270,721)	(3,724,620)	14,175,437	13,450,393
Non-Operating Revenue:						
Contributions in Aid of Construction	340,679	239,048	210,346	141,049	139,000	139,000
Water Connection Charge	11,824,165	7,795,975	10,385,103	7,690,159	6,000,000	6,000,000
Investment Income (Note 2)	1,110,082	1,426,327	2,184,380	4,670,517	750,000	750,000
Assessments	12,592	12,039	7,480	7,192	-	-
Gain (Loss) on Disposal of Assets	1,618	(6,616,175)	173,689	164,150	-	-
Grant	958,438	824,868	1,083,608	461,508	100,000	-
Other	1,074,831	576,518	421,180	181,008	-	-
Total Non-Operating Revenue	15,322,405	4,258,600	14,465,786	13,315,583	6,989,000	6,889,000
Non-Operating Expenses:						
Interest Expense	3,042,891	2,571,287	2,560,431	2,143,940	2,476,238	3,781,000
Total Non-Operating Expenses	3,042,891	2,571,287	2,560,431	2,143,940	2,476,238	3,781,000
Contributed Capital	7,018,306	532,360	3,543,879	5,321,018	-	-
Transfers	(269,498)	-	107,306	125,000	-	-
Net	10,561,947	(5,072,840)	12,285,819	12,893,041	18,688,199	16,558,393
Beginning Net Position	474,364,170	484,926,117	479,853,277	489,698,584	502,591,625	521,279,824
Restatement (Note 3)	-	-	(2,440,512)	-	-	-
Ending Net Position	484,926,117	479,853,277	489,698,584	502,591,625	521,279,824	537,838,217

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 2016 - 2021

Note References for Page 31

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

Note 2 - Investment Income - Includes interest earnings and mark to market adjustment on investments.

Note 3 - Net Position Restatement - 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
2021 Budget Schedule

	January 1, 2020	2020 Activity			2020 Year-end Estimated Balance	2021 Adopted Sources/(Uses)	2021 Year-end Estimated Balance
		Surplus Proceeds 2020	Budget Sources/ (Uses)	CY Board Approved (Uses)			
Operating Reserve:							
Contingencies	\$ 2,622,498				2,622,498		2,622,498
Operational	5,144,039		(393,278)	(40,000)	4,710,761		4,710,761
Revenue Volatility (Note 1)	4,753,006				4,753,006		4,753,006
Energy Volatility (for pumping purposes)	2,618,026			(500,000)	2,118,026		2,118,026
Total Operating Reserve	15,137,569	-	(393,278)	(540,000)	14,204,291	-	14,204,291
Capital Reserve:							
Building and Facilities Maintenance and Improvements	801,103				801,103		801,103
System Replacement and Improvements	7,236,014				7,236,014		7,236,014
Vehicles, Equipment and Other Routine Capital Replacement	2,574,436	58,485		(30,000)	2,602,921	(856,214)	1,746,707
Revolving Grant Matching Funds (Note 2)	828,702				828,702		828,702
Renewal and Replacement Projects	19,595,080		(49,000)		19,546,080	-	19,546,080
Total Capital Reserve	31,035,335	58,485	(49,000)	(30,000)	31,014,820	(856,214)	30,158,606
Liabilities Reserve:							
Compensated Absences (current portion)	2,152,226				2,152,226		2,152,226
Insurance Claim Liability/Deductible	348,100				348,100		348,100
Unfunded Pension Liability	728,810				728,810		728,810
Total Liabilities Reserve	3,229,136	-	-	-	3,229,136	-	3,229,136
Specific Activities, Programs and Special Projects Reserve:							
Service Center - Corporation Yard	4,617,550				4,617,550		4,617,550
Regulatory Mandates	500,000				500,000		500,000
Catastrophic Events and Disaster Recovery	5,323,176				5,323,176		5,323,176
Total Specific Activities, Programs and Special Projects Res	10,440,726	-	-	-	10,440,726	-	10,440,726
Total Water Division Reserves	\$ 59,842,766	58,485	(442,278)	(570,000)	58,888,973	(856,214)	58,032,759

Water Division Operations Debt

Operations Debt Outstanding (at January 1)	\$ 31,162,466	28,534,428
---	----------------------	-------------------

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
 2021 Budget Schedule**

	2016 Budget	2017 Budget	2018 Budget	2019 Budget	2020 Budget	2021 Adopted Budget			
						Total	Agency Wide	Power	Water
Vehicles	615,000	609,000	1,008,400	1,160,352	825,176	513,000	-	45,000	468,000
Equipment & Tools	373,750	624,150	1,132,064	765,205	969,989	570,407	-	200,000	370,407
Office Furniture and Equipment	190,000	155,000	125,000	110,000	136,626	-	-	-	-
Computer Software and Hardware	710,825	545,900	310,500	607,800	601,424	603,400	342,500	175,000	85,900
Total Routine Capital	1,889,575	1,934,050	2,575,964	2,643,357	2,533,215	1,686,807	342,500	420,000	924,307

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

Capital Investment Program



Foothill Raw Water Pipeline Project



French Meadows Forest Restoration Project

Capital Investment Program

This Capital Investment Program (CIP) consists of three sections: 1) 2021 Capital Investment Program detailing the various 2021 Agency Wide, Power Division and Water Division CIP budgeted projects, 2) 2021 Capital Investment Program – Five Year Plan and 3) 2021 Capital Investment Program Project Descriptions.

The first section is the ***2021 Capital Investment Program***, which details the budgeted 2021 projects, the administering department, the funding source (for example, Water Connection Charge, Water Rate Revenue or Middle Fork Project) and the 2021 budgeted amounts.

The second section is the ***2021 Capital Investment Program - Five Year Plan***, which details the project description, anticipated funding source, administering department, the 2021 budgeted amounts and the estimated annual funding appropriation requirements for the subsequent four years (2022 – 2025).

The third section is the ***2021 Capital Investment Program Project Descriptions***, which presents a brief description of each 2021 project nature and details.

This Page Left Intentionally Blank

2021
Capital Investment Program



2021 Capital Investment Program

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	WCC	Rates	Grants	Reserves	Middle Fork Project	2021 TOTAL
AGENCY WIDE PROJECTS										
09018A	American River Water Rights Extension	ENG	Water Supply	738,280	-	-	-	35,000	-	35,000
19016A	CVP Area Expansion	PM	Water Supply	87,100	-	-	-	100,000	-	100,000
14056W	RiverArc	ENG	Planning	568,400	-	-	-	50,000	-	50,000
	Business Center First Floor Tenant Improvements	ENG	Other	-	-	-	-	80,000	-	80,000
	IT Systems Environment and Infrastructure Improvements	IT	Other	-	-	-	-	500,000	-	500,000
	Agency Wide Projects				-	-	-	765,000	-	765,000
COUNTY-WIDE MASTER PLAN (PCWA STEWARDSHIP)										
18005W	Colfax WTP (Upper Zone 6 Regional Supply Assessment)	ENG	Treatment	12,664	-	-	-	1,285,763	-	1,285,763
18022W	Colfax to Applegate Regionalization Study	ENG	TWT&D	100,094	-	-	-	150,000	-	150,000
	West Placer Canal Environmental Permitting and Monitoring	ENG	RWT&D	-	-	-	-	120,000	-	120,000
	Duncan Hill Treated Water Improvements Project	ENG	TWT&D	-	-	-	-	450,000	-	450,000
	Barton Rd. Pipeline - La Vista to Brace Rd.	ENG	TWT&D	-	-	-	-	450,000	-	450,000
	County Wide Master Plan (PCWA Stewardship)				-	-	-	2,455,763	-	2,455,763
TOTAL AGENCY WIDE PROJECTS					-	-	-	3,220,763	-	3,220,763
POWER DIVISION PROJECTS (MINOR PROJECTS FOR MFP FINANCE AUTHORITY)										
14004P	New Project Development Fund	PWR	Planning	-	-	-	-	-	400,000	400,000
SUBTOTAL POWER DIVISION PROJECTS [MINOR PROJECTS FOR MFP FINANCE AUTHORITY]					-	-	-	-	400,000	400,000
POWER DIVISION PROJECTS (MAJOR PROJECTS - AUTHORIZED FOR MFP FINANCE AUTHORITY)										

2021 Capital Investment Program

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	WCC	Rates	Grants	Reserves	Middle Fork Project	2021 TOTAL
	<i>Major Projects Stand-Alone</i>									
17004P	French Meadows Forest Management	PWR	Environmental	463,123	-	-	-	-	250,000	250,000
12029P	Project Wide SCADA Reliability Upgrades	PWR	SCADA	137,031	-	-	-	-	150,000	150,000
	<i>French Meadows Powerhouse Reliability Upgrades</i>			563,258						
15011P	FMPH Cooling and Sump Pumps Control Upgrade	PWR	Plant	35,355	-	-	-	-	250,000	250,000
19020P	FMPH Generator Protection Upgrade	PWR	Plant	-	-	-	-	-	200,000	200,000
	FMPH Plant RTU Replacement	PWR	Plant	-	-	-	-	-	50,000	50,000
	FMPH Turbine PRV Replacement	PWR	Plant	-	-	-	-	-	450,000	450,000
14007P	French Meadows Powerhouse Reliability Upgrades	PWR	Plant	598,613	-	-	-	-	950,000	950,000
	<i>Hell Hole Powerhouse Reliability Upgrades</i>			-						
	HH Governor Upgrade	PWR	Plant	-	-	-	-	-	175,000	175,000
	Hell Hole Outlet Pipe Inspection	PWR	Plant	-	-	-	-	-	25,000	25,000
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>			30,995						
13025P	MFPH Switchyard Upgrades	PWR	Plant	2,824,896	-	-	-	-	2,400,000	2,400,000
	Interbay Dam Radial Gate Hoist Improvement	PWR	Plant	-	-	-	-	-	150,000	150,000
14009P	Middle Fork Powerhouse Reliability Upgrades	PWR	Plant	2,855,891	-	-	-	-	2,550,000	2,550,000

2021 Capital Investment Program

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	WCC	Rates	Grants	Reserves	Middle Fork Project	2021 TOTAL
	<i>Oxbow Powerhouse Reliability Upgrades</i>			128,375						
18030P	OXPB HVAC Upgrade	PWR	Plant	-	-	-	-	-	100,000	100,000
	OXPB Generator Protection Upgrade	PWR	Plant	-	-	-	-	-	50,000	50,000
	Abay Dam Radial Gate Hoist Improvement	PWR	Plant	-	-	-	-	-	150,000	150,000
	OXPB XFMR, Bus, & T-Line Protection Replacement	PWR	Plant	-	-	-	-	-	50,000	50,000
14010P	Oxbow Powerhouse Reliability Upgrades	PWR	Plant	128,375	-	-	-	-	350,000	350,000
	<i>Ralston Powerhouse Reliability Upgrades</i>			24,037						
	RAPH XFMR & Bus Protection Replacement	PWR	Plant	-	-	-	-	-	50,000	50,000
14029P	RAPH Tunnel Intake Trash Rack Cleaner Upgrade	PWR	Plant	440,329	-	-	-	-	100,000	100,000
18015P	RA Penstock Coupling Investigation	PWR	Plant	150,441	-	-	-	-	250,000	250,000
	RAPH - Penstock Access Improvements	PWR	Plant	123,780	-	-	-	-	1,000,000	1,000,000
14012P	Ralston Powerhouse Reliability Upgrades	PWR	Plant	738,587	-	-	-	-	1,400,000	1,400,000
	<i>Relicensing - Project Infrastructure</i>			212,219						
09009A	HH Dam Seasonal Storage	PWR	Plant	30,749	-	-	-	-	140,400	140,400
18043P	HH Dam Outlet Works Upgrade	PWR	Plant	44,902	-	-	-	-	182,860	182,860
18040P	LL Anderson Dam Outlet Works Upgrade	PWR	Plant	201,756	-	-	-	-	100,000	100,000
18042P	Interbay Outlet Works Upgrade and Stream Gage Installation	PWR	Plant	1,679	-	-	-	-	750,000	750,000
12018P	Duncan Creek Diversion Dam Upgrade & Recreation Trail	PWR	Plant	95,740	-	-	-	-	1,000,000	1,000,000

2021 Capital Investment Program

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	WCC	Rates	Grants	Reserves	Middle Fork Project	2021 TOTAL
20025P	North Fork Long Canyon Diversion Upgrade	PWR	Plant	20,400	-	-	-	-	40,400	40,400
20026P	South Fork Long Canyon Diversion Upgrade	PWR	Plant	20,400	-	-	-	-	40,400	40,400
	MFP Power and Communication Pole Upgrades	PWR	Plant	-	-	-	-	-	100,000	100,000
15016P	MFP Cooperative Road Management	PWR	Plant	-	-	-	-	-	229,000	229,000
14013P	Relicensing - Project Infrastructure	PWR	Plant	627,845	-	-	-	-	2,583,060	2,583,060
	<i>Relicensing - Project Recreation Facilities</i>			<i>398,580</i>						
14042P	MFPH Pedestrian Bypass	ENG	Environmental	-	-	-	-	-	116,000	116,000
19039P	Middle Meadows Campground Water Supply	ENG	Environmental	599,443	-	-	-	-	200,000	200,000
14014P	Relicensing - Project Recreation Facilities	ENG	Environmental	998,023	-	-	-	-	316,000	316,000
SUBTOTAL POWER DIVISION PROJECTS [MAJOR PROJECTS - AUTHORIZED FOR MFP FINANCE AUTHORITY]					-	-	-	-	9,649,060	9,649,060
TOTAL POWER DIVISION PROJECTS					-	-	-	-	10,049,060	10,049,060
WATER DIVISION PROJECTS										
WATER DIVISION - EXPANSION PROJECTS										
	<i>Treated Water Transmission & Distribution Projects</i>									
17009W	Ophir WTP Pipeline Phase 1	ENG	TWT&D	2,970,740	200,000	-	-	-	-	200,000
	Treated Water Transmission & Distribution Projects	ENG	TWT&D	Ongoing	200,000	-	-	-	-	200,000
	<i>Raw Water Transmission & Distribution Projects</i>									
16005W	Foothill Raw Water Supply Pipeline	ENG	RWT&D	17,785,000	200,000	-	-	-	-	200,000
	Raw Water Transmission & Distribution Projects	ENG	RWT&D	Ongoing	200,000	-	-	-	-	200,000

2021 Capital Investment Program

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	WCC	Rates	Grants	Reserves	Middle Fork Project	2021 TOTAL
	<i>Planning Projects</i>									
14056W	RiverArc	ENG	Planning	568,400	300,000	-	-	-	-	300,000
20034W	Urban Water Management Plan	ENG	Planning	90,000	60,000	-	-	-	-	60,000
17024W	Water System Modeling and Planning	ENG	Planning	125,600	50,000	-	-	-	-	50,000
	Planning Projects	ENG	Planning	Ongoing	410,000	-	-	-	-	410,000
SUBTOTAL WATER DIVISION EXPANSION PROJECTS					810,000	-	-	-	-	810,000
WATER DIVISION - RATES PROJECTS										
	<i>Treatment Projects</i>									
	Bowman WTP Upgrades - Phase 3- Flocculator Basin Rebuild	ENG	Treatment	-	-	150,000	-	-	-	150,000
	Foothill WTP Grit Structure Screen Replacement	ENG	Treatment	-	-	150,000	-	-	-	150,000
	Foothill WTP Physical Data Center	ENG	Treatment	-	-	100,000	-	-	-	100,000
17022W	Foothill Structural Repairs	ENG	Treatment	7,460	-	400,000	-	-	-	400,000
19035W	Monte Vista Redundant Filter	ENG	Treatment	79,160	-	825,000	-	-	-	825,000
	Treatment Projects	ENG	Treatment	Ongoing	-	1,625,000	-	-	-	1,625,000
	<i>Treated Water Transmission & Distribution Projects</i>									
18022W	Alta Loop Pipeline (Cable/Powerhouse Rd.)	ENG	TWT&D	195,370	-	2,830,000	-	-	-	2,830,000
	Distribution Meters - Bowman, Applegate, and Monte Vista	ENG	TWT&D	-	-	150,000	-	-	-	150,000
	Ginger Dr./Valley View Main Replacement	ENG	TWT&D	-	-	150,000	-	-	-	150,000
	I-80 Crossings Condition Assessment (TW)	ENG	TWT&D	-	-	60,000	-	-	-	60,000

2021 Capital Investment Program

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	WCC	Rates	Grants	Reserves	Middle Fork Project	2021 TOTAL
	Rocklin Pipeline Replacement Program	ENG	TWT&D	-	-	500,000	-	-	-	500,000
	Treated Water Transmission & Distribution Projects	ENG	TWT&D	Ongoing	-	3,690,000	-	-	-	3,690,000
	<i>Raw Water Transmission & Distribution Projects</i>									
	I-80 Crossings Condition Assessment (RW)	ENG	RWT&D	-	-	60,000	-	-	-	60,000
18023W	Ben Franklin Canal Repair	ENG	RWT&D	711,000	-	300,000	-	-	-	300,000
	Caperton Siphon	ENG	RWT&D	-	-	200,000	-	-	-	200,000
16005W	Foothill Raw Water Supply Pipeline	ENG	RWT&D	17,785,000	-	200,000	-	-	-	200,000
18011W	Hayford Siphon Phase 2	ENG	RWT&D	140,300	-	950,000	-	-	-	950,000
18009W	Lower Banvard Pipe (I-80 Crossing Auburn)	ENG	RWT&D	1,089,500	-	280,000	-	-	-	280,000
	Raw Water Canal Automation	ENG	RWT&D	-	-	100,000	-	-	-	100,000
	Raw Water Transmission & Distribution Projects	ENG	RWT&D	Ongoing	-	2,090,000	-	-	-	2,090,000
	<i>Treated Water Storage Projects</i>									
	Alta & Monte Vista Redwood Tank Replacement	ENG	TW Storage	-	-	100,000	-	-	-	100,000
	Tank Recoating	ENG	TW Storage	-	-	550,000	-	-	-	550,000
	Treated Water Storage Projects	ENG	TW Storage	Ongoing	-	650,000	-	-	-	650,000
	<i>Raw Water Storage Projects</i>									
17011W	Lake Alta Dam Modifications	ENG	RW Storage	1,564,800	-	300,000	-	-	-	300,000
	Raw Water Storage Projects	ENG	RW Storage	Ongoing	-	300,000	-	-	-	300,000

2021 Capital Investment Program

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	WCC	Rates	Grants	Reserves	Middle Fork Project	2021 TOTAL
	<i>Field Services Projects</i>									
	2021 Field Services RWCIP	FIELD	Various	97,964	-	700,000	-	-	-	700,000
	2021 Field Gunitite CIP	FIELD	Various	-	-	1,024,300	-	-	-	1,024,300
	2021 Field Services TWCIP	FIELD	Various	368,924	-	500,000	-	-	-	500,000
	Field Services Projects	FIELD	Various	Ongoing	-	2,224,300	-	-	-	2,224,300
	<i>Planning Projects</i>									
20034W	Urban Water Management Plan	ENG	Planning	90,000	-	60,000	-	-	-	60,000
	Planning Projects	ENG	Planning	Ongoing	-	60,000	-	-	-	60,000
	<i>Other Projects</i>									
	SCADA - Telemetry Upgrades	DWO	Miscellaneous	-	-	50,000	-	-	-	50,000
	Water System Modeling - Renewal and Replacement	ENG	Miscellaneous	-	-	20,000	-	-	-	20,000
	HVAC Upgrade Sierra Center	ENG	Miscellaneous	-	-	80,000	-	-	-	80,000
16013W	Water System Security Improvements	ENG	Miscellaneous	652,550	-	100,000	-	-	-	100,000
	Other Projects	ENG	Miscellaneous	Ongoing	-	250,000	-	-	-	250,000
SUBTOTAL WATER DIVISION - RATES PROJECTS					-	10,889,300	-	-	-	10,829,300
TOTAL WATER DIVISION					810,000	10,889,300	-	-	-	11,699,300
TOTAL CIP BUDGET					\$ 810,000	10,889,300	-	3,220,763	10,049,060	24,969,123

This Page Left Intentionally Blank

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

2021 Capital Investment Program - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2021	Projected 2022	Projected 2023	Projected 2024	Projected 2025	TOTAL 2021-2025
AGENCY WIDE PROJECTS										
09018A	American River Water Rights Extension	ENG	Water Supply	738,280	35,000	35,000	35,000	35,000	35,000	175,000
19016A	CVP Area Expansion	PM	Water Supply	87,100	100,000	-	-	-	-	100,000
14056W	RiverArc	ENG	Planning	568,400	50,000	50,000	50,000	50,000	50,000	250,000
	Business Center First Floor Tenant Improvements	ENG	Other	-	80,000	-	-	-	-	80,000
	Enterprise Resource Planning	IT	Other	-	-	569,750	569,750	-	-	1,139,500
	IT Systems Environment and Infrastructure Improvements	ENG	Miscellaneous	-	500,000	-	-	-	-	500,000
	Agency Wide Projects				765,000	654,750	654,750	85,000	85,000	2,244,500
COUNTY-WIDE MASTER PLAN (PCWA STEWARDSHIP)										
18005W	Colfax WTP (Upper Zone 6 Regional Supply Assessment)	ENG	Treatment	12,664	1,285,763	-	-	-	-	1,285,763
18022W	Colfax to Applegate Regionalization Study	ENG	TWT&D	100,093	150,000	-	-	-	-	150,000
	West Placer Canal Environmental Permitting and Monitoring	ENG	RWT&D	-	120,000	-	-	-	-	120,000
	Duncan Hill Treated Water Improvements Project	ENG	TWT&D	-	450,000	-	-	-	-	450,000
	Barton Rd. Pipeline - La Vista to Brace Rd.	ENG	TWT&D	-	450,000	-	-	-	-	450,000
	County Wide Master Plan (PCWA Stewardship)				2,455,763	-	-	-	-	2,455,763
TOTAL AGENCY WIDE PROJECTS					3,220,763	654,750	654,750	85,000	85,000	4,700,263
POWER DIVISION PROJECTS (MINOR PROJECTS FOR MFP FINANCE AUTHORITY)										
14004P	New Project Development Fund	PWR	Planning	-	400,000	-	-	-	-	400,000
SUBTOTAL POWER DIVISION PROJECTS [MINOR PROJECTS FOR MFP FINANCE AUTHORITY]					400,000	-	-	-	-	400,000

2021 Capital Investment Program - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2021	Projected 2022	Projected 2023	Projected 2024	Projected 2025	TOTAL 2021-2025
POWER DIVISION PROJECTS (MAJOR PROJECTS - AUTHORIZED FOR MFP FINANCE AUTHORITY)										
	<i>Major Projects Stand-Alone</i>									
17004P	French Meadows Forest Management	PWR	Environmental	463,123	250,000	100,000	50,000	-	-	400,000
12029P	Project Wide SCADA Reliability Upgrade	PWR	SCADA	137,031	150,000	-	-	-	-	150,000
20043P	Sediment Removal	PWR	Plant	431,634	-	-	5,000,000	1,000,000	-	6,000,000
	<i>French Meadows Powerhouse Reliability Upgrades</i>			563,258						
15011P	FMPH Cooling and Sump Pumps Control Upgrade	PWR	Plant	35,355	250,000	-	-	-	-	250,000
19020P	FMPH Generator Protection Upgrade	PWR	Plant	-	200,000	-	-	-	-	200,000
	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 Station Service Modernization	PWR	Plant	-	-	-	-	-	100,000	100,000
	FMPH Thrust Bearing Lift Pump Installation	PWR	Plant	-	-	-	200,000	400,000	-	600,000
	FMPH Turbine PRV Replacement	PWR	Plant	-	450,000	2,500,000	-	-	-	2,950,000
14007P	French Meadows Powerhouse Reliability Upgrades	PWR	Plant	598,613	950,000	2,670,000	450,000	400,000	100,000	4,570,000
	<i>Hell Hole Powerhouse Reliability Upgrades</i>			-						
	HH Governor Upgrade	PWR	Plant	-	175,000	-	-	-	-	175,000
	Hell Hole Outlet Pipe Inspection	PWR	Plant	63,009	25,000	-	-	-	-	25,000
12016P	Hell Hole Substation Rebuild	PWR	Plant	400,160	900,000	-	-	-	-	900,000
14003P	Hell Hole Powerhouse Reliability Upgrades	PWR	Plant	463,169	1,100,000	-	-	-	-	1,100,000

2021 Capital Investment Program - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2021	Projected 2022	Projected 2023	Projected 2024	Projected 2025	TOTAL 2021-2025
	<i>Middle Fork Powerhouse Reliability Upgrades</i>			30,995						
	MFPH Unit Control Board Upgrade	PWR	Plant	-	-	-	50,000	100,000	-	150,000
	MFPH Plant RTU Replacement	PWR	Plant	-	-	-	50,000	150,000	-	200,000
13025P	MFPH Switchyard Upgrades	PWR	Plant	2,423,763	2,400,000	-	-	-	-	2,400,000
	Interbay Dam Radial Gate Hoist Improvement	PWR	Plant	-	150,000	-	-	-	-	150,000
14009P	Middle Fork Powerhouse Reliability Upgrades	PWR	Plant	2,454,758	2,550,000	-	100,000	250,000	-	2,900,000
	<i>Oxbow Powerhouse Reliability Upgrades</i>			128,375						
18030P	OXPB HVAC Upgrade	PWR	Plant	-	100,000	-	-	-	-	100,000
	OXPB Generator Protection Upgrade	PWR	Plant	-	50,000	250,000	-	-	-	300,000
	OXPB XFMR, Bus, & T-Line Protection Replacement	PWR	Plant	-	50,000	250,000	-	-	-	300,000
	OXPB Intake Gate Hoist Replacement	PWR	Plant	-	-	200,000	650,000	-	-	850,000
	Abay Dam Radial Gate Hoist Improvement	PWR	Plant	-	150,000	-	-	-	-	150,000
	OXPB Unit Control Board Upgrades	PWR	Plant	-	-	-	-	75,000	150,000	225,000
14010P	Oxbow Powerhouse Reliability Upgrades	PWR	Plant	128,375	350,000	700,000	650,000	75,000	150,000	1,925,000
	<i>Ralston Powerhouse Reliability Upgrades</i>			24,037						
	RAPH XFMR & Bus Protection Replacement	PWR	Plant	-	50,000	250,000	-	-	-	300,000
14029P	RAPH Tunnel Intake Trash Rack Cleaner Upgrade	PWR	Plant	440,329	100,000	-	-	-	-	100,000
19015P	RA Penstock Inspection	PWR	Plant	23,706	-	-	-	500,000	3,500,000	4,000,000
	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

2021 Capital Investment Program - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2021	Projected 2022	Projected 2023	Projected 2024	Projected 2025	TOTAL 2021-2025
18015P	RA Penstock Coupling Investigation	PWR	Plant	150,441	250,000	-	-	-	-	250,000
	RAPH Station Service Modernization	PWR	Plant	-	-	-	-	-	100,000	100,000
	RAPH - Penstock Access Improvements	PWR	Plant	123,780	1,000,000	-	-	-	-	1,000,000
	RAPH Main Transformer Replacement	PWR	Plant	-	-	-	-	1,000,000	-	1,000,000
14012P	Ralston Powerhouse Reliability Upgrades	PWR	Plant	762,293	1,400,000	320,000	250,000	1,500,000	3,600,000	7,070,000
	<i>Relicensing - Project Infrastructure</i>			212,219						
09009A	HH Dam Seasonal Storage	PWR	Plant	30,749	140,400	-	-	5,025,800	-	5,166,200
18043P	HH Dam Outlet Works Upgrade	PWR	Plant	44,902	182,860	1,371,400	25,800	-	-	1,580,060
18040P	LL Anderson Dam Outlet Works Upgrade	PWR	Plant	201,756	100,000	-	-	-	-	100,000
18042P	Interbay Outlet Works Upgrade and Stream Gage Installation	PWR	Plant	1,679	750,000	-	-	-	-	750,000
12018P	Duncan Creek Diversion Dam Upgrade & Recreation Trail	ENG	Plant	95,740	1,000,000	7,000,000	-	-	-	8,000,000
20025P	North Fork Long Canyon Diversion Upgrade	PWR	Plant	20,400	40,400	160,000	1,040,400	25,800	-	1,266,600
20026P	South Fork Long Canyon Diversion Upgrade	PWR	Plant	20,400	40,400	160,000	1,340,400	25,800	-	1,566,600
	MFP Power and Communication Pole Upgrades	PWR	Plant	-	100,000	-	-	-	-	100,000
15016P	MFP Cooperative Road Management	PWR	Plant	-	229,000	-	-	-	-	229,000
14013P	Relicensing - Project Infrastructure	PWR	Plant	627,845	2,583,060	8,691,400	2,406,600	5,077,400	-	18,758,460
	<i>Relicensing - Project Recreation Facilities</i>			398,580						
14018P	Indian Bar River Access	ENG	Environmental	193,815	-	2,533,000	28,000	-	-	2,561,000
20028P	Afterbay Picnic Area	ENG	Environmental	-	-	81,000	-	-	441,000	522,000

2021 Capital Investment Program - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2021	Projected 2022	Projected 2023	Projected 2024	Projected 2025	TOTAL 2021-2025
20029P	MF Stream Gage Trail Improvements	ENG	Environmental	-	-	7,000	-	-	25,000	32,000
20030P	Abay Sediment Removal Access Point	ENG	Environmental	-	-	47,000	-	-	239,000	286,000
	Ahart CG and Gates Group Campground	ENG	Environmental	-	-	-	-	-	173,000	173,000
14020P	FM Picnic Area	ENG	Environmental	33,336	-	32,000	-	-	1,051,000	1,083,000
	FM North Shore Water Supply	ENG	Environmental	-	-	-	288,000	348,000	2,965,000	3,601,000
14019P	FM RV Dump Station and Campground	ENG	Environmental	33,081	-	-	-	6,645,000	28,000	6,673,000
15009P	FM South Shore Water Supply	ENG	Environmental	67,626	-	1,823,000	29,000	-	-	1,852,000
	HH and Big Meadows Campgrounds	ENG	Environmental	-	-	-	-	-	183,000	183,000
14017P	HH Boat Ramp Extension	ENG	Environmental	218,619	-	-	139,000	167,000	-	306,000
	HH Boat Ramp Parking & Potable Water, HH General Parking	ENG	Environmental	-	-	-	85,000	90,000	-	175,000
	HH Upper Campground	ENG	Environmental	-	-	44,000	52,000	-	352,000	448,000
	McGuire Picnic Area Conversion to Group Campground	ENG	Environmental	-	-	-	-	218,000	239,000	457,000
	Lewis Campground	ENG	Environmental	-	-	-	-	275,000	236,000	511,000
14042P	MFPH Pedestrian Bypass	ENG	Environmental	-	116,000	-	674,000	29,000	-	819,000
16012P	Hell Hole Recreation Work Station & Storage Facility for USFS	ENG	Environmental	101,594	-	-	4,101,000	29,000	-	4,130,000
19039P	Middle Meadows Campground Water Supply	ENG	Environmental	599,443	200,000	27,000	-	-	-	227,000
14014P	Relicensing - Project Recreation Facilities	ENG	Environmental	1,247,515	316,000	4,594,000	5,396,000	7,801,000	5,932,000	24,039,000
TOTAL POWER DIVISION PROJECTS					10,049,060	17,075,400	14,302,600	16,103,400	9,782,000	67,312,460

2021 Capital Investment Program - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2021	Projected 2022	Projected 2023	Projected 2024	Projected 2025	TOTAL 2021-2025
WATER DIVISION 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	-	-	2,000,000	-	-	-	2,000,000
19012W	Ophir Pipelines - Bickford Ranch Phase 1	ENG	TWT&D	246,600	-	3,000,000	2,500,000	2,500,000	-	8,000,000
16022W	Placer Parkway Pipeline (Bridge Sections Only)	ENG	TWT&D	378,497	-	1,900,000	-	-	-	1,900,000
17009W	Ophir WTP Pipeline Phase 1	ENG	TWT&D	2,970,740	200,000	-	-	-	-	200,000
	Treated Water Transmission & Distribution Projects	ENG	TWT&D	Ongoing	200,000	6,900,000	2,500,000	2,500,000	-	12,100,000
	<i>Raw Water Transmission & Distribution Projects</i>									
	Rock Creek Reservoir Pipeline and Pump Station	ENG	RWT&D	-	-	264,000	1,594,000	298,000	-	2,156,000
16005W	Foothill Raw Water Supply Pipeline	ENG	RWT&D	17,785,000	200,000	-	-	-	-	200,000
	Raw Water Transmission & Distribution Projects	ENG	RWT&D	Ongoing	200,000	264,000	1,594,000	298,000	-	2,356,000
	<i>Planning Projects</i>									
14056W	RiverArc	ENG	Planning	568,400	300,000	65,000	65,000	65,000	65,000	560,000
20034W	Urban Water Management Plan	ENG	Planning	90,000	60,000	-	-	-	-	60,000
17024W	Water System Modeling and Planning	ENG	Planning	125,600	50,000	-	50,000	-	50,000	150,000
	Planning Projects	ENG	Planning	Ongoing	410,000	65,000	115,000	65,000	115,000	770,000
SUBTOTAL WATER DIVISION EXPANSION PROJECTS					810,000	7,229,000	4,209,000	2,863,000	115,000	15,226,000

2021 Capital Investment Program - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2021	Projected 2022	Projected 2023	Projected 2024	Projected 2025	TOTAL 2021-2025
WATER DIVISION - RATES PROJECTS										
	<i>Treatment Projects</i>									
	Alta WTP Carbon Feed Building	ENG	Treatment	-	-	-	-	50,000	75,000	125,000
	Arc Flash Program	ENG	Treatment	-	-	75,000	75,000	75,000	75,000	300,000
	Bowman WTP Upgrades - Phase 3- Flocculator Basin Rebuild	ENG	Treatment	-	150,000	-	1,000,000	-	-	1,150,000
18005W	Colfax WTP (Upper Zone 6 Regional Supply Assessment)	ENG	Treatment	209,000	-	4,100,000	4,100,000	4,100,000	4,100,000	16,400,000
	Foothill WTP Grit Structure Screen Replacement	ENG	Treatment	-	150,000	250,000	-	-	-	400,000
	Foothill WTP Physical Data Center	ENG	Treatment	-	100,000	-	-	-	-	100,000
	Monte Vista WTP Building Replacement	ENG	Treatment	-	-	-	-	150,000	1,000,000	1,150,000
	Foothill #1 Washwater Valve Replacements	ENG	Treatment	-	-	-	-	400,000	-	400,000
17022W	Foothill Structural Repairs	ENG	Treatment	7,460	400,000	-	-	-	-	400,000
19035W	Monte Vista Redundant Filter	ENG	Treatment	79,160	825,000	-	-	-	-	825,000
	Treatment Projects	ENG	Treatment	Ongoing	1,625,000	4,425,000	5,175,000	4,775,000	5,250,000	21,250,000
	<i>Treated Water Transmission & Distribution Projects</i>									
18022W	Alta Loop Pipeline (Cable/Powerhouse Rd.)	ENG	TWT&D	195,370	2,830,000	-	-	-	-	2,830,000
	Duncan Hill Treated Water Improvements Project	ENG	TWT&D	-	-	2,000,000	-	-	-	2,000,000
	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
	Covey Road Pipe Replacement	ENG	TWT&D	-	-	100,000	500,000	-	-	600,000
	Distribution Meters - Bowman, Applegate, and Monte Vista	ENG	TWT&D	-	150,000	150,000	-	-	-	300,000

2021 Capital Investment Program - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2021	Projected 2022	Projected 2023	Projected 2024	Projected 2025	TOTAL 2021-2025
	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	-	150,000	900,000	-	-	-	1,050,000
	High Street from Elm to East Placer Pipeline Replacement	ENG	TWT&D	-	-	250,000	1,000,000	-	-	1,250,000
	I-80 Crossings Condition Assessment (TW)	ENG	TWT&D	-	60,000	250,000	250,000	250,000	250,000	1,060,000
	Rocklin Pipeline Replacement Program	ENG	TWT&D	-	500,000	1,500,000	1,500,000	1,500,000	1,500,000	6,500,000
	Old State Highway - Buena Vista to Taylor Road	ENG	TWT&D	-	-	100,000	400,000	-	-	500,000
	Covey Road Pipe Replacement	ENG	TWT&D	-	-	-	-	-	500,000	500,000
	Crystal Springs Pipe Loop	ENG	TWT&D	-	-	-	-	-	200,000	200,000
	Water Meter Replacement Program	CS	TWT&D	-	-	100,000	100,000	100,000	100,000	400,000
	Treated Water Transmission & Distribution Projects	ENG	TWT&D	Ongoing	3,690,000	5,550,000	5,050,000	2,020,000	3,580,000	19,890,000
	<i>Raw Water Transmission & Distribution Projects</i>									
	Antelope Stub	ENG	RWT&D	-	-	-	50,000	350,000	-	400,000
	I-80 Crossings Condition Assessment (RW)	ENG	RWT&D	-	60,000	-	-	-	-	60,000
	ARPS Intake #6 Repair	ENG	RWT&D	-	-	250,000	-	-	-	250,000
18023W	Ben Franklin Canal Repair	ENG	RWT&D	711,000	300,000	-	-	-	-	300,000
	Canyon Creek Bypass Feasibility Study	ENG	RWT&D	-	-	50,000	-	-	-	50,000
	Caperton Siphon	ENG	RWT&D	-	200,000	-	-	-	-	200,000
16005W	Foothill Raw Water Supply Pipeline	ENG	RWT&D	17,785,000	200,000	-	-	-	-	200,000
18011W	Hayford Siphon Phase 2	ENG	RWT&D	140,300	950,000	-	-	-	-	950,000
	Kilmer Siphon Replacement	ENG	RWT&D	-	-	100,000	600,000	-	-	700,000

2021 Capital Investment Program - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2021	Projected 2022	Projected 2023	Projected 2024	Projected 2025	TOTAL 2021-2025
15006W	Lower Banvard Pipe (Lozanos Rd.)	ENG	RWT&D	40,000	-	-	600,000	-	-	600,000
18009W	Lower Banvard Pipe (I-80 Crossing Auburn)	ENG	RWT&D	1,089,500	280,000	-	-	-	-	280,000
	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
	Raw Water Transmission & Distribution Projects	ENG	RWT&D	Ongoing	2,090,000	834,000	4,526,000	1,647,000	1,200,000	10,297,000
	<i>Treated Water Storage Projects</i>									
	Alta & Monte Vista Redwood Tank Replacement	ENG	TW Storage	-	100,000	700,000	-	-	-	800,000
	Applegate Tank Replacement	ENG	TW Storage	-	-	-	400,000	-	-	400,000
	Tank Recoating	ENG	TW Storage	-	550,000	-	500,000	750,000	750,000	2,550,000
	Treated Water Storage Projects	ENG	TW Storage	Ongoing	650,000	700,000	900,000	750,000	750,000	3,750,000
	<i>Raw Water Storage Projects</i>									
	Alta Forebay Desilt	ENG	RW Storage	-	-	-	-	1,000,000	-	1,000,000
17011W	Lake Alta Dam Modifications	ENG	RW Storage	1,564,800	300,000	-	-	-	-	300,000
	Raw Water Storage Projects	ENG	RW Storage	Ongoing	300,000	-	-	1,000,000	-	1,300,000
	<i>Groundwater Projects</i>									
	Well Demolition - Bianchi Estates	ENG	Groundwater	-	-	-	-	50,000	-	50,000
	Groundwater Projects	ENG	Groundwater	Ongoing	-	-	-	50,000	-	50,000

2021 Capital Investment Program - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2021	Projected 2022	Projected 2023	Projected 2024	Projected 2025	TOTAL 2021-2025
	<i>Field Services Projects</i>									
	2021 Field Services RWCIP	FIELD	Various	97,964	700,000	500,000	500,000	500,000	500,000	2,700,000
	2021 Field Gunite CIP	FIELD	Various	-	1,024,300	1,000,000	1,000,000	1,000,000	1,000,000	5,024,300
	2021 Field Services TWCIP	FIELD	Various	368,924	500,000	500,000	500,000	500,000	500,000	2,500,000
	Field Services Projects	FIELD	Various	Ongoing	2,224,300	2,000,000	2,000,000	2,000,000	2,000,000	10,224,300
	<i>Planning Projects</i>									
20034W	Urban Water Management Plan	ENG	Planning	90,000	60,000	-	-	-	-	60,000
	Planning Projects	ENG	Planning	Ongoing	60,000	-	-	-	-	60,000
	<i>Other Projects</i>									
	Asphalt Repair at Agency Facilities	ENG	Miscellaneous	-	-	-	250,000	250,000	-	500,000
17008W	Colfax Ballpark Tank Slope Stabilization	ENG	Miscellaneous	47,186	-	-	-	200,000	-	200,000
	SCADA - Telemetry Upgrades	DWO	Miscellaneous	-	50,000	50,000	50,000	50,000	50,000	250,000
	Enterprise Resource Planning	IT	Other	-	-	1,360,500	1,360,500	-	-	2,721,000
	HVAC Upgrade Sierra Center	ENG	Miscellaneous	-	80,000	-	-	-	-	80,000
	Water System Modeling - Renewal and Replacement	ENG	Miscellaneous	-	20,000	20,000	20,000	20,000	20,000	100,000
16013W	Water System Security Improvements	ENG	Miscellaneous	652,550	100,000	100,000	100,000	100,000	100,000	500,000
	Other Projects	ENG	Miscellaneous	Ongoing	250,000	1,530,500	1,780,500	620,000	170,000	4,351,000
SUBTOTAL WATER DIVISION - RATES PROJECTS					10,889,300	15,039,500	19,431,500	12,862,000	12,950,000	71,172,300
TOTAL WATER DIVISION PROJECTS					11,699,300	22,268,500	23,640,500	15,725,000	13,065,000	86,398,300
TOTAL CIP BUDGET					24,969,123	39,998,650	38,597,850	31,913,400	22,932,000	158,411,023

Capital Investment Program - 2021 Project Descriptions



Placer County Water Agency

2021

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 are being prepared and will be circulated for public review in early 2021.

CVP Area Expansion

This project includes processing an expansion of PCWA's Central Valley Project (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.

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.

Business Center First Floor Tenant Improvements

This project will modify the floor plan in the General Manager's area of the business center to accommodate one additional staff member.

IT Systems Environment and Infrastructure Improvements

The project will procure and install new IT network equipment and infrastructure to replace existing equipment and infrastructure, which has reached the end of its operational life and no longer meets Agency IT needs. The project will include purchase of HP Simplivity nodes to meet continuous expanding server needs, allowing for a more expansive testing environment for

applications such as ArcGIS and will prepare for the eventual launch and integration of the Agency's new Enterprise Resource Planning (ERP) platform.

COUNTY-WIDE MASTER PLAN PROJECTS (PCWA STEWARDSHIP)

Colfax WTP (Upper Zone 6 Regional Supply Assessment)

The existing WTP is approaching the end of its operational life and Agency staff are targeting having a new plant constructed within the next 4 years. This new plant will include additional treatment capacity to address Upper Zone 6 regional supply assessment needs for potential future consolidation of smaller water purveyors in the region. In 2018 a site alternatives analysis and feasibility study for the new WTP was completed. In 2020, Agency staff began environmental, permitting and land acquisition efforts. Design will begin in 2021.

Colfax to Applegate Regionalization Study

The purpose of this study is assess the region between Colfax and Applegate in our Upper Zone 6 system to identify potential infrastructure needs and associated costs to serve treated water to unserved and/or underserved areas.

West Placer Canal Environmental Permitting and Monitoring

In March 2020, the Agency obtained California Department of Fish and Wildlife Streambed Alteration Agreements for operating and maintaining the Moore Canal and Pleasant Grove Canal diversion facilities. These Agreements, which are for 5 years, permit the Agency to install and maintain two flashboard dams in Auburn Ravine that allow for the diversion and delivery of water to agricultural lands in West Placer County. These Agreements require: (1) a specified operating period of April 15 through October 15; (2) minor modifications to the flashboard dams to facilitate downstream passage of protected fish species; and (3) monitoring the entrainment (diversion) of protected fish species into the Moore and Pleasant Grove canals. The passage improvements will be implemented in 2021 and the entrainment study will be implemented in 2021-2023.

Duncan Hill Treated Water Improvements Project

This project will construct a treated water pipeline to connect the Auburn/Bowman system in the area of Millertown Road to the upper Foothill system in the vicinity of Ophir Road through the Duncan Hill neighborhood, eliminating two dead end pipelines. The Project would include installing a 12-inch diameter pipeline approximately 1.5 miles in length. This pipeline would also provide access of treated water to approximately forty constructed conveyance customers that currently utilize private ground water wells with intermittent flow and/or canal water from the Fiddler Green Canal. Design will begin in 2021.

Barton Rd. Pipeline - La Vista to Brace Road

This project will install approximately 5,600 linear feet of transmission main in Barton Road to serve unserved areas of the county and provide additional hydraulic capacity to this portion of the system. Design will begin in 2021.

POWER DIVISION PROJECTS

Minor Project:

New Project Development Fund

This project will provide the initial planning funding for any new unanticipated projects that require funding in 2021.

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.

Project Wide SCADA Reliability Upgrades

This project encompasses equipment upgrades and replacements for the MFP Supervisory Control And Data Acquisition (SCADA) network. These upgrades coincide with the MFP Communications Upgrade Project to insure SCADA network reliability and network cyber security.

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. Cooling and Sump Pumps Control Upgrade
2. Generator Protection Upgrade
3. Plant Remote Terminal Unit Replacement
4. 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 Outlet Pipe Inspection
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. Switchyard Upgrades
2. 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. HVAC Upgrade
2. Generator Protection Upgrade
3. Afterbay Dam Radial Gate Hoist Improvement
4. Transformer, Bus & T-Line Protection 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. Transformer & Bus Protection Replacement
2. Tunnel Intake Trash Rack Cleaner Upgrade
3. Penstock Coupling Investigation
4. Penstock Access Improvements

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. Hell Hole Dam Outlet Works Upgrade
3. LL Anderson Dam Outlet Works Upgrades
4. Interbay Dam Outlet Works Upgrade and Stream Gage Installation
5. Duncan Creek Diversion Dam Upgrade & Recreation Trail
6. North Fork Long Canyon Diversion Upgrade
7. South Fork Long Canyon Diversion Upgrade
8. Middle Fork Project Power and Communication Pole Upgrades
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. Middle Fork Powerhouse Pedestrian Bypass
2. Middle Meadows Campground Water Supply

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 WTP Pipeline Phase 1 – This project extends an 18” pipe near the Newcastle Tank to the Foothill WTP to provide distribution capacity for the future Ophir WTP Phase 1 (10 MGD) project. This is necessary to bring Ophir WTP online prior to the completion of the Bickford Ranch Development Project, which is part of Ophir WTP Phase 2 (20 MGD).

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. Foothill Raw Water Supply 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.

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. 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.
2. Urban Water Management Plan – Urban Water Management Plans (UWMP) are required by state law for water suppliers with 3,000 or more connections or supplying 3,000 or more acre-feet annually of treated water. The plans must be updated and submitted to the Department of Water Resources at least every five years. Combined with Senate Bill 610, the UWMP Act was created to ensure prudent levels of water supply planning in the land use entitlement process and incorporate water use efficiency and evaluation of dry year conditions into this planning. The required plan content includes a water supply summary, a forecast of future demands, a supply versus demand strategy, including dry year scenarios, elements addressing water use efficiency, a Drought Risk Assessment, reporting on compliance with Senate Bill X7-7, and a Water Shortage Contingency Plan.
3. 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. Bowman WTP Upgrades – Phase 3 Flocculator Basin Rebuild – This project will replace and rebuild the existing flocculator basin at the Bowman WTP. The existing flocculators have reached the end of their operational life and are of a type that are difficult to maintain and labor intensive to repair. The project will also include modifications of the inlet structure and bar screen system at the head of the WTP.
2. Foothill WTP Grit Structure Screen Replacement – This project will replace the existing bar screens at the Foothill WTP grit structure. The existing bar screens have reached the end of their operational life.
3. 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.

4. Foothill Structural Repairs – This project will remove timber frame architectural elements from the buildings at the Foothill WTP. While originally believed to be structural elements of the buildings, investigation resulted in identifying them as aesthetic design elements only. Once removed, they will not be replaced.
5. 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. Distribution Meters – Bowman, Applegate, and Monte Vista – This project will install new flow meters to measure flow from the WTPs at Bowman, Applegate, and Monte Vista into their respective distribution systems. The meters will permit better water use data and water audit capabilities for improved operation of their respective systems.
3. Ginger Dr./Valley View Main Replacement – This project will replace and relocate roughly, 1900' of 6" wrapped steel, A.C. main and services from the back yards of Ginger Dr. and Valley View Dr. in Auburn due to leak history, main and meter accessibility.
4. I-80 Crossings Condition Assessment (TW) – This project will assess and evaluate approximately six to ten treated water crossings of Interstate 80 to assess future repair or replacement needs.
5. Rocklin Pipeline Replacement Program – This project will identify and begin design to replace another portion of the water distribution system within the areas of Midas Ave., South Whitney Blvd., and Argonaut Ave., in Rocklin.

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. I-80 Crossings Condition Assessment (RW) – This project will assess and evaluate approximately six to ten raw water crossings of Interstate 80 to assess future repair or replacement needs.
2. 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.
3. Caperton Siphon – The project will complete installation of the inverted siphon blow off and drain valve into an adjacent catch basin vault where the siphon crosses Sierra College Blvd.
4. 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.
5. 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 a new siphon inlet structure to replace the existing inlet structure that has also reached the end of operational life.
6. 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.
7. Raw Water Canal Automation - This project is to automate another reach of canal similar to the Antelope Canal automation project from 2018. The project is expected to reduce water losses along the new reach of canal by installing various gates and flow monitoring and control equipment.

Treated Water Storage Projects

Treated Water Storage projects include repair, modification, or installation of new infrastructure related to the storage of treated water. The infrastructure includes, but is not limited to, storage tanks, tank mixers and vents, and electrical systems and instrumentation.

1. Alta and Monte Vista Redwood Tank Replacement - This project will replace the existing redwood water storage tanks at the Alta and Monte Vista WTPs with new steel tanks.
2. Tank Recoating - This project will coat the interior and exterior of the Stanford Ranch 1.0 million gallon storage tank.

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 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 – Nary Red Flume #1 understructure replacement, Moonshine Flume tin replacement, Baughman Flume understructure and tin replacement, Liz Taylor Flume to Pipe, Powerhouse Rd. tree removal, Suzuki Lane Canal improvements and Freeman Pipe at Alta Mesa lining.
2. Gunite - Various locations throughout the system.
3. Treated Water Maintenance Projects - Broadview Ave. and Sacramento St. in Auburn.

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. Urban Water Management Plan - Urban Water Management Plans (UWMP) are required by state law for water suppliers with 3,000 or more connections or supplying 3,000 or more acre-feet annually of treated water. The plans must be

updated and submitted to the Department of Water Resources at least every five years. Combined with Senate Bill 610, the UWMP Act was created to ensure prudent levels of water supply planning in the land use entitlement process and incorporate water use efficiency and evaluation of dry year conditions into this planning. The required plan content includes a water supply summary, a forecast of future demands, a supply versus demand strategy, including dry year scenarios, elements addressing water use efficiency, a Drought Risk Assessment, reporting on compliance with Senate Bill X7-7, and a Water Shortage Contingency Plan.

Other Projects

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

1. 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 upper Zone 6 WTPs.
2. Water System Modeling - Renewal and Replacement - This project will analyze infrastructure needs, cost, and timing related to renewal and replacement projects and activities. It includes modelling the water system, engineering analysis of projects, and the preparation of technical memos and reports.
3. HVAC Upgrade Sierra Center - This project includes the replacement of existing HVAC units with new and includes modification and extension of ducting to improve unit efficiency.
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

Gray Allen, District 1

Primo Santini, District 2

Mike Lee, District 3

Robert Dugan, District 4

Joshua Alpine, District 5

Andrew Fecko, General Manager

BUSINESS CENTER

144 Ferguson Road

MAIL

P.O. Box 6570

Auburn, CA 95604

PHONE

(530) 823-4850

(800) 464-0030

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 163 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, 24 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: November 19, 2020

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’s Office				
• General Manager	2.5			2.5
• Legal Office	1.3	0.3	0.3	2.0
• Strategic Affairs Resource Management	2.0	1.0		3.0
Administrative Services*	9			9
Energy Marketing		4		4
Finance	12.5	1		13.5
Customer Services	2		31	33
Field			56	56
Technical Services				
• Drinking Water Operations			36	36
• Engineering		2	24	26
• Information Technology	11			11
Power Generation**		36		36
REGULAR POSITIONS TOTAL	40.3	44.3	147.3	232

*1 limited term position will be eliminated in June 2021

**3 FTE’s are authorized but not budgeted

Prepared by:



Placer County Water Agency

144 Ferguson Road

Auburn, CA 95603

www.pcwa.net