



PCWA

2024 Annual Budget

Placer County Water Agency
Auburn, California

2024 Budget



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

**Prepared by the Department of Financial Services
Adopted November 16, 2023**



**PLACER COUNTY WATER AGENCY
TABLE OF CONTENTS
2024 BUDGET**

Transmittal Memorandum 1

Annual Budget

Combined Agency Budget

2024 Combined All-Inclusive Expense Budget 13
2024 Combining Budget Schedule 14
Summary Routine Capital - Agency Wide, Power Division and Water Division 15

Agency Wide

2024 Budget Schedule 17
Statement of Expenses by Department and Category 19
Statement of Revenues, Expenses and Changes in Net Position - Actual and Budget 20
Reserves 21
Reserve Descriptions and Target Methodology 22

Power Division

2024 Budget Schedule 27
Statement of Expenses by Department and Category 28
Statement of Revenues, Expenses and Changes in Net Position - Actual and Budget 29

Water Division

2024 Budget Schedule 31
2024 Revenue Budget Schedule 32
Statement of Expenses by Department and Category 33
Rate Funded Projects - Five Year Projected Capital Sources and Uses 34
Water Connection Charge (WCC) - 2024 Budget Schedule 35
Water Connection Charge (WCC) - Five Year Projected Capital and Resource Needs 36
Statement of Revenues, Expenses and Changes in Net Position - Actual and Budget 37
Reserves 38
Reserve Descriptions and Target Methodology 39

Capital Improvement Plan

2024 Capital Improvement Plan 45
2024 Capital Improvement Plan - Five Year Plan 55
2024 Capital Improvement Plan Project Descriptions 69

Supplemental Information

Overview of the Placer County Water Agency 87
Agency Authorized Positions as of November 16, 2023 88



M E M O R A N D U M

DATE: November 16, 2023

TO: Chair and Members of the Board of Directors

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

RE: **Transmittal for the Adopted 2024 Placer County Water Agency Budget**

Overview

2024 Combined All-Inclusive Expense Budget

The Adopted 2024 Placer County Water Agency (Agency) Budget totals \$175.8 million, which is comprised of:

	2023 Adjusted Budget	2024 Adopted Budget
Agency Wide Operating	\$ 5.1	\$ 5.6
Power Division Operating	31.5	31.5
Water Division Operating	51.7	51.7
Combined Capital	91.7	87.0
Total (in millions)	\$ 180.0	\$ 175.8

Overall, the Adopted 2024 Combined Agency Budget of \$175.8 million is \$4.2 million less than the 2023 Adjusted Budget¹ comprised of a combined operating budget increase of \$0.6 million and a \$4.7 million decrease in combined capital project funding. The 2024 Combined Operating Budgets have increased over the 2023 Adjusted Budget which includes an increase of \$72,000 in the Water Division, \$530,000 in Agency Wide and a decrease of \$35,000 in the Power Division.

¹ Adjusted Budget as of October 19, 2023.

2024 Adopted Budget – Budget Unit Overview

Agency Wide

The 2024 Agency Wide Budget totals \$15.5 million including \$5.6 million in operating and \$9.9 million in capital project appropriation. The revenue budget is decreased \$13.7 million or 75.5% under the 2023 Adjusted Budget as the 2023 Adjusted Budget includes 2022 Out of County Water Sales for Board consideration and allocation which were received after the 2023 budget process. Pursuant to policy, these funds are directed to Agency Wide Reserves for the Board's consideration and allocation in the following years budget process.

The Operational Expense Budget is increased from the 2023 Adjusted Budget by a net amount of \$530,000 or 10.5% based on the following:

- General Manager's Office is a net increase of \$116,000 attributed to an increase in personnel services related to organizational changes with an Administrative Aide as well as a 3% Cost of Living Adjustment (COLA) to labor and other merit increases, totaling \$189,000. Additionally, there are decreases in anticipated outside legal \$59,000, and consulting \$35,000.
- Administrative Services is a net increase of \$237,000, largely attributed to the insurance budget being adjusted between Administrative Services and Financial Services following a reorganization related to Risk Management. Additionally, there is an increase in the third-party claims administration contract of \$30,000.
- Customer Services is a net increase of \$52,000 including a \$25,000 anticipated increase in public relations related to new initiatives, and \$20,000 for personnel services.
- Financial Services is a net increase of \$268,000 attributed to an increase in personnel services with the reorganization of the risk management function totaling \$156,000, and an increase of \$99,000 in property insurance due to rising industry costs.
- Information Technology is a net increase of \$914,000, which includes an increase in software licensing totaling \$562,000 as the Agency is implementing new ERP software, an increase in personnel services of \$190,000 with the 3% COLA and other benefit increases, as well as a position added in cybersecurity.
- Non-Departmental Expenses decreased \$76,000 related to required contributions to the Agency's Section 115 Other Post Employment Benefit trust. This amount is determined by an actuarial study.
- Routine Capital decreased \$533,000 because of a reduction in computer replacements and planned equipment purchases in 2024.

These overall changes in the 2024 Agency Wide departmental operating budgets are shared through the service level support by a detailed Cost Allocation Plan process whereby the indirect costs are allocated to the benefitting funds: Power Division, Water Division and capital projects are appropriately allocated support costs totaling \$10.8 million.

Power Division

The 2024 Power Division Budget totals \$76.6 million including \$31.5 million in operating and \$45.1 million in capital project appropriation. The Power Division budget is funded by the Middle Fork Project Finance Authority (Authority) appropriations, hence the Power Division revenue line is titled "MFPFA Appropriation" and consequently the Power Division budgeted revenue equals the combined 2024 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 revenues are directed to and recorded by the Authority, not PCWA.

The Operational Expense Budget is decreased from the 2023 Adjusted Budget by a net amount of \$35,000 or (0.1%) based on the following:

- Power System is a net decrease of \$905,000, which is attributed to a decrease of \$862,000 in contracted services for less anticipated consulting needs in 2024 as many studies were completed in 2023, a decrease of \$140,000 for surveying, an increase in the per flight cost for helicopter services totaling \$75,000, and a \$45,000 increase in general repairs for aging transformers.
- Energy Marketing is a net increase of \$133,000 resulting from a \$73,000 increase in operating services for forecasting services and an increase in travel and training. Also, personnel services increased \$46,000 with the 3% COLA as well as other benefit increases.
- Technical Services is a net decrease of \$944,000, a result of FERC License Operating Implementation costs that are budgeted to decrease \$890,000 in accordance with specific contracts as the Agency moves from the planning and setup phase into the monitoring phase of the plan and costs are anticipated to be lower. Additionally, a decrease in anticipated legal costs totaling \$120,000 and an inflationary increase of \$52,000 in Cost Share Partnerships.
- Financial Services is a net increase of \$2.2 million primarily a result of insurance moving from Administrative Services to Financial Services as well as an anticipated 30% increase to property insurance with rising industry costs.

- Service Level Support increased \$209,000 resulting from increased departmental support costs shared through the cost allocation plan.
- Routine Capital is increasing by \$974,000 because of computer replacements, and capital equipment purchases planned for 2024.

Water Division

The 2024 Water Division Budget totals \$83.7 million, which is comprised of a \$51.7 million operating budget, \$32.0 million capital project budget (which includes the Water Connection Charge capital component that totals \$9.4 million), and \$7.9 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 2024 Adopted water sales revenue includes a 8.0% revenue adjustment from the 2020 Cost of Service Study and Board approved five year water rate adjustment. The adopted rate adjustment provides for annual water rate adjustments for years 2023-2027 which provide for fixed rate increases annually.

The Operational Expense Budget is increased from the 2023 Adjusted Budget by a net amount of \$72,000 or 0.1% based on the following:

- Customer Services is a net increase of \$71,000, an increase in personnel services with the 3% COLA as well as other benefit increases totaling \$196,000 and a decrease of \$150,000 in meter related inventory items.
- Field Services is a net increase of \$601,000. Personnel services increased a total of \$315,000 which includes the 3% COLA, the retirement of one Deputy Director position being restructured into two manager positions resulting in one new position, and an increase in temporary labor related to anticipated canal cleaning. Purchased water is increased \$166,000 because of the CPI price increase in the PG&E water supply contract of 3.5%, and an increase of \$158,000 for water purchased from Agency Wide. Other changes include an increase of \$70,000 in compliance requirements and a decrease of \$100,000 in landscaping.
- Technical Services is a net increase of \$1.9 million. Pumping costs increased \$800,000 related to additional cost of electricity, chemicals increased \$442,000 related to inflation, and personnel services increased \$427,000 with a 3% COLA and the addition of one inspector position. Operating services are increased \$270,000 for switchgear maintenance and testing at American River Pump Station and Ophir Road Pump

Station, and an increase of \$220,000 for solids management and disposal services as the volume of sludge removal has increased. Additionally, there is a \$200,000 decrease in backup generator fuel as the base number of days budgeted for fuel was reduced to three.

- Non-Departmental Expenses decreased \$294,000 related to Other Post-Employment Benefit trust contributions, determined by an actuary.
- Service Level Support is increased \$481,000 based on the results of the updated cost allocation plan that allocates service level support costs to the benefiting funds in a rational methodical manner.
- Routine Capital is decreased \$2.8 million primarily because many of the vehicles and equipment procured in 2021 and 2022 were not delivered, therefore the Board approved increasing the 2023 routine capital budget by \$2.3 million and carrying over those appropriations to allow for the items to be procured in 2023. There was also a decrease in planned computer replacement needs in 2024.

Capital Improvement Plan Budget – 2024 and Five Year (2024 – 2028)

The Agency's Five Year (2024 – 2028) Capital Improvement Plan (CIP) totals \$399.6 million and is comprised of the following: Agency Wide totals \$13.0 million, Power Division totals \$162.6 million and Water Division totals \$224.0 million. The Agency's CIP varies annually depending on the extent and magnitude of projects being implemented, such as the building of two water treatment plant in the next five years.

The 2024 CIP totals \$79.0 million (excluding Water Division Capital debt service) and is detailed as follows:

Agency Wide

The 2024 Agency Wide CIP Budget totals \$9.9 million, with the largest projects being funding for the Ferguson Campus Solar Project for \$4.5 million, and the Shady Glen Community Water System Consolidation for \$3.0 million, which is anticipated to receive grant funding. The Five-Year CIP Budget includes the Duncan Hill Treated Water Improvements totaling \$1.9 million and Drum Spaulding Water Supply Protection totaling \$800,000.

Power Division

The 2024 Power Division CIP Budget totals \$45.1 million with the largest projects being the Hell Hole Dam Seasonal Storage totaling \$8.0 million, the Ralston Afterbay Sediment Removal (resulting from the Mosquito Fire) totaling \$8.0 million, the Ralston Powerhouse Main

Transformer Replacement totaling \$7.5 million, and the Middle Fork Powerhouse Main Transformer totaling \$6.0 million.

Over the past 15 years, significant capital improvements have been accomplished, however, as with any utility's infrastructure, continual renewal and replacement and reliability projects is required as evidence by the 2024 Five-Year CIP. The upgrades and renewal and replacement projects totals \$98.6 million with the largest of these capital projects being the Interbay Sediment Removal totaling \$10 million, the Middle Fork Powerhouse Transformer Replacement totaling \$10.0 million, and the LL Anderson Dam Crest Improvements totaling \$8.7 million.

In June 2020, the Agency received a new 40-year FERC License for the operation of the Middle Fork Project (MFP) and along with the new FERC license came new operating conditions and significant capital projects for both infrastructure and recreation. These FERC License capital projects have specified implementation timing with a significant portion of the estimated FERC License capital projects requiring completion in the next 5 years (2024 – 2028), which have an estimated five-year cost of \$63.9 million. The significant FERC License capital projects of the Five-Year CIP are the Ralston Afterbay Sediment Relocation Plan totaling \$7.1 million, the Hell Hole Outlet Works Upgrade \$6.6 million, and the Hell Hole Recreation Workstation and Storage Facility for US Forest Service totaling \$6.6 million.

The Mosquito Fire that occurred on September 6, 2022 coupled with strong winter storms, resulted in the closure of a significant portion of Mosquito Ridge Road, which exists as the primary access to most project facilities. Because of the road damage, the Agency requested that FERC modify the capital project implementation timeline to delay the near-term FERC capital projects by a year or two. On April 25, 2023 the FERC extension of time was granted and the implementation schedule for the Recreation Projects was updated. On July 18, 2023 the FERC extension of time was granted and the schedule amended for Infrastructure Projects.

Water Division

The 2024 Water Division CIP Budget totals \$24.0 million which is comprised of \$9.4 million in expansion (Water Connection Charge (WCC) funded) capital projects and \$14.6 million in renewal, replacement and reliability (rate funded) capital projects.

In the 2024 CIP Budget, the largest WCC funded capital project is phase two of the construction of the American River Pump Station and Ophir Road Pump Station Standby Power totaling \$5.6 million. The largest Five-Year CIP WCC funded capital projects are Ophir Water

Treatment Plant Phase 1 totaling \$113.1 million and the Placer Parkway Pipeline totaling \$11.1 million.

In the 2024 CIP Budget, the largest renewal, replacement and reliability capital projects are Treated Water Transmission and Distribution projects totaling \$4.6 million with the Rocklin Main Replacements for \$3.2 million and the Covey Road Pipe Replacement for \$600,000. Significant Five-Year CIP renewal, replacement and reliability projects include the Foothill Water Treatment Plant Rehabilitation totaling \$9.0 million and the Rocklin Pipeline Replacement Program totaling \$8.6 million.

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 increasing to 237 with the adoption of the 2024 budget. This includes the addition of one Manager position in the Field Services Department and one Inspector position in the Engineering Division of the Technical Services Department.

The table below shows the number of FTE's for a five-year period, as amended by Board actions:

Department Division	2020 Adjusted Budget	2021 Adjusted Budget	2022 Adjusted Budget	2023 Adjusted Budget	2024 Adopted Budget
General Manager's Office	7.5	7.5	7.5	8	8
<i>General Manager</i>	2.5	2.5	2.5	4	4
<i>Strategic Affairs</i>	3	3	3	2	2
<i>Legal Office</i>	2	2	2	2	2
Administrative Services	9	8	8	7	7
<i>Human Resources & Risk</i>	9	8	8	7	7
Financial Services	13.5	13.5	13.5	15	15
<i>Accounting & Budget</i>	9.5	9.5	9.5	10	10
<i>Procurement & Contracts</i>	3	3	3	4	4
<i>Energy Risk Administration</i>	1	1	1	1	1
Customer Services	33	33	30	30	30
<i>Public Affairs</i>	2	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	0	0	0
Field Services	56	56	59	60	61
<i>Treated & Untreated Water</i>	47	47	47	49	50
<i>Vehicle & Equipment Maintenance</i>	4	4	4	4	4
<i>Support</i>	5	5	5	5	5
<i>Facility Maintenance</i>	0	0	3	2	2
Technical Services	72	73	59	58	59
<i>Engineering</i>	26	27	28	26	27
<i>Drinking Water Operations</i>	36	35	31	32	32
<i>Information Technology</i>	10	11	0	0	0
Energy Marketing	4	4	4	4	4
Power System*	37	36	34	35	35
Information Technology	0	0	17	18	18
Total Authorized FTE's:	232	231	232	235	237
Change From Previous Year	5	-1	1	3	2

*2024 - 3 FTE's are authorized but not budgeted

Historical Staffing Narrative:

- For 2023, the Board authorized the addition of two Service Workers in the Treated Water Division of Field Services, one Water Treatment Plant Operator in the Drinking Water Operations Division of the Technical Services Department, and the Engineering Division eliminated one Assistant Engineer position. During 2023, the retirement of the Agency's Risk and Safety Manager provided an opportunity to strategically realign essential risk management and safety programs within the Agency. One element of the realignment involved centralizing risk management responsibilities within the Financial Services Department, therefore the Risk and Safety Manager position was reclassified to Procurement and Risk Manager and was reallocated to the Financial Services Department. The second element was to centralize the Agency-wide occupational health and safety program within the Technical Services Department. With safety regulations and compliance requirements becoming more complex, the Agency would benefit by establishing a managerial position dedicated to the centralized safety function. The Board of Directors authorized one additional management FTE to be allocated to the Technical Services Department to establish a Safety Manager. Additionally, the Safety Technician position was reclassified to accommodate a full-time Administrative Aide in the GM Office. Lastly in September 2023, a full-time equivalent position in the Field Services Department in the Water Division was reallocated to the Information Technologies Department in Agency Wide for a Physical Security Technician position.
- During 2022, the Technical Services Department repurposed the vacant Deputy Director position to establish an additional Engineering Services Manager and the Board also authorized another Engineering Services Manager increasing the authorized FTE count to 232.
- During 2021, the Technical Services Department repurposed a vacant position to establish a new job classification called Capital Improvement Program Specialist. September 2021, the Board of Director's appointed an in-house General Counsel. In December 2021, Information Technology became its own Department in all three funds, with the budget impact effective January 2022. In 2021 a new position of Safety Technician within Technical Services Department (in the Agency Wide Fund) was created, to implement an Agency-wide safety program. However, this position was a reclassification of a Water Quality Support Technician position in Drinking Water Operations, Technical Services Department in the Water Division.

- For 2020, the Board authorized the addition of two Service Workers in the Treated Water Division of the Field Services Department, and one Water Quality Specialist in the Drinking Water Operations Division of the Technical Services Department. 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 the Technical Services Department 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 was eliminated with an incumbent employee's retirement in June 2021.

Personnel Services

Personnel Services is comprised of 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, meter reading, 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 capital projects, engineering support and project management of capital projects. Because the capital improvement plan fluctuates annually, the allocation of labor to capital can fluctuate annually by Division and by Department.

The table on the following page shows personnel services allocated between the operations and capital budgets. Of the total 2024 Agency Budget, approximately 94% of the Agency's personnel services budget is attributable to operations and 6% to capital. Overall, personnel services are budgeted to increase 3.3% in 2024, which is primarily driven by the 3% COLA set by employee labor agreements, netted with various benefit expense changes.

Personnel Services by Operations and Capital				
	2023 Adjusted Budget	2024 Adopted Budget	\$ Change	% Change
Agency Wide	\$9,239,928	9,792,944	553,016	6.0%
Power	9,254,511	9,329,289	74,778	0.8%
Water	22,241,912	22,884,190	642,278	2.9%
Capital	2,635,375	2,790,902	155,527	5.9%
Grand Total	\$ 43,371,726	44,797,325	1,425,599	3.3%

* * * * *

The 2024 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 2024 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 Improvement Plan (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 for appropriating the funds for the Agency's Power Division needs.

Power Division Budget Process

The Power Division budget process commences in April. Staff prepare a draft Power Division Budget in June 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 April 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. 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.

For the 2024 budget process, in 2023 the Board's Finance Committee, consisting of Directors Alpine and Santini, met on July 6th to review the 2024 Budget Timeline and the Proposed 2024 Power Division Budget. The Committee met again on August 17th to discuss the Proposed 2024 Agency Wide and Water Division Budgets and September 25th to discuss the Proposed 2024 Combined Agency Budget. Comments and suggestions from those meetings have been incorporated into the final budget document.

Annual Budget



Water Storage Tanks and Reservoir, Weimar

Placer County Water Agency
2024 Combined All-Inclusive Expense Budget

	2024 Adopted			
	Agency Wide	Power Division	Water Division	Total
Operating Expenses				
Total Operating Expenses	\$ 5,567,830	31,504,351	51,754,714	88,826,895
Total Operating Expenses	5,567,830	31,504,351	51,754,714	88,826,895
Capital Improvement Plan				
Middle Fork Project Infrastructure Projects	-	45,110,000	-	45,110,000
Reserves Funded Projects	9,900,000	-	-	9,900,000
Rates Funded Projects	-	-	14,664,600	14,664,600
Expansion Projects	-	-	9,360,000	9,360,000
Project Debt Service Costs (Rates and Expansion)	-	-	7,915,000	7,915,000
Total Capital Improvement Plan	9,900,000	45,110,000	31,939,600	86,949,600
Total Expense Budget*	\$ 15,467,830	76,614,351	83,694,314	175,776,495

* Includes Operating and Capital Appropriations, as well as Water Connection Charge (Expansion) Appropriations.

**Placer County Water Agency
2024 Combining Budget Schedule**

	2024 Adopted			Combined Total
	Agency Wide	Power Division	Water Division	
Revenue				
Water Sales	\$ 1,500,000	-	66,935,754	68,435,754
MFPFA Appropriation	-	76,614,351	-	76,614,351
Other Revenue	2,944,000	-	3,272,560	6,216,560
Total Revenue	4,444,000	76,614,351	70,208,314	151,266,665
Operations				
Board of Directors	188,916	-	-	188,916
General Manager's Office:				
General Manager	823,175	-	-	823,175
Legal Services	234,700	202,540	202,540	639,780
Strategic Affairs - Resource Management	2,062,230	936,579	-	2,998,809
Administrative Services	3,223,729	-	-	3,223,729
Customer Services	473,535	-	5,236,382	5,709,917
Field Services	-	10,000	18,106,374	18,116,374
Financial Services	3,632,407	3,422,675	-	7,055,082
Power System	-	16,414,412	-	16,414,412
Energy Marketing	-	1,645,227	-	1,645,227
Technical Services	626,105	2,976,673	16,181,845	19,784,623
Information Technology	4,182,758	672,345	1,460,398	6,315,501
Non-departmental Expenses	711,275	1,102,000	2,892,700	4,705,975
Service Level Support (Note 1)	(10,846,000)	2,674,000	7,145,000	(1,027,000)
Routine Capital	255,000	1,447,900	529,475	2,232,375
Total Operations	5,567,830	31,504,351	51,754,714	88,826,895
Capital Projects				
Capital Improvement Plan Appropriation	9,900,000	45,110,000	14,664,600	69,674,600
Project Debt Service	-	-	3,789,000	3,789,000
Total Capital Uses (Note 2)	9,900,000	45,110,000	18,453,600	73,463,600
Summary				
Total Revenue	4,444,000	76,614,351	70,208,314	151,266,665
Total Operations	5,567,830	31,504,351	51,754,714	88,826,895
Total Capital Projects	9,900,000	45,110,000	18,453,600	73,463,600
Revenue Under Expenses	(11,023,830)	-	-	(11,023,830)
(To) From Reserves	11,023,830	-	-	11,023,830
Net	\$ -	-	-	-

Note 1 - Service Level Support - Based on the 2024 Cost Allocation Plan, \$10,846,000 of **service level support** is attributed to **operating** divisions (\$2,674,000 to the Power Division and \$7,145,000 to the Water Division) and \$1,027,000 is attributed to capital projects.

Note 2 - Water Connection Charge (WCC) funds are restricted, therefore, the **2024 Water Connection Charge Capital Projects and Debt Service** totaling \$13,486,000 are not included on this Combining Budget Schedule, and are shown separately on page 35. WCC Capital Projects and Debt Service are included on the Combined All-Inclusive Expense Budget on page 13.

**Placer County Water Agency
 Summary Routine Capital
 Agency Wide, Power Division and Water Division
 2024 Budget Schedule**

	2019 Adopted Budget	2020 Adopted Budget	2021 Adopted Budget	2022 Adopted Budget	2023 Adopted Budget	2024 Adopted Budget			
						Total	Agency Wide	Power	Water
Vehicles	\$ 1,160,352	779,926	513,000	856,000	160,000	645,000	-	335,000	310,000
Equipment & Tools	765,205	932,769	585,407	585,000	566,350	923,175	-	876,000	47,175
Office Furniture and Equipment	110,000	98,200	10,000	70,000	15,000	125,000	75,000	50,000	-
Computer Software and Hardware	607,800	786,424	578,400	705,300	222,000	539,200	180,000	186,900	172,300
Total Routine Capital	\$ 2,643,357	2,597,319	1,686,807	2,216,300	963,350	2,232,375	255,000	1,447,900	529,475

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

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Agency Wide



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Placer County Water Agency
Agency Wide
2024 Budget Schedule

	2023 Adjusted Budget	2024 Adopted Budget
Revenue		
Out of County Water Sales (2022 Source Revenue)	\$ 14,400,000	-
Water Sales (Long-term Contracted)	1,200,000	1,500,000
Interest Earnings	450,000	700,000
Property Tax	1,200,000	1,350,000
Rental Income	790,000	829,000
Other	90,000	65,000
Total Revenue	18,130,000	4,444,000
Operations		
Board of Directors (Note 1)	190,115	188,916
General Manager's Office:		
General Manager	765,430	823,175
Legal Services (Note 2)	224,663	234,700
Strategic Affairs - Resource Management	2,014,027	2,062,230
Administrative Services	2,986,274	3,223,729
Customer Services - Public Affairs	421,860	473,535
Financial Services	3,364,821	3,632,407
Technical Services:		
Engineering	259,434	247,131
Safety	325,521	378,974
Information Technology	3,269,042	4,182,758
Non-departmental Expenses	787,275	711,275
Service Level Support (Note 3)	(10,359,000)	(10,846,000)
Routine Capital	788,500	255,000
Total Operations	5,037,962	5,567,830
Capital Projects		
Capital Improvement Plan	23,829,000	9,650,000
County Wide Master Plan - FAP	185,000	250,000
Total Capital Projects	24,014,000	9,900,000
Summary		
Total Revenue	18,130,000	4,444,000
Total Operations	5,037,962	5,567,830
Total Capital Projects	24,014,000	9,900,000
Revenue Under Expenses	(10,921,962)	(11,023,830)
(To) From Reserves	10,921,962	11,023,830
Net	\$ -	-

Placer County Water Agency
Agency Wide
2024 Budget Schedule

Note References for Page 17

Note 1 - Board of Directors operations budget includes half of the biennial general election expenses estimated at \$140,000.

Note 2 - Legal Services' labor and benefits are budgeted one-third to each budget unit. Other operating expenses for Legal are budgeted 100% to Agency Wide and allocated annually through service level support.

Note 3 - 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. Since 2005, the Agency has used a Cost Allocation Plan (CAP) model for indirect cost allocation, which uses allocation factors to spread the indirect costs to the budget units. In 2021, the Agency engaged a consultant to revise and update the CAP model to utilize actual expenses from the most recent past completed year for the allocation base, instead of the proposed budget amounts. The allocated amounts below reflects allocation portions associated with 2022 Agency Wide actual amounts. Based on this lookback approach the 2024 Cost Allocation Plan model results in \$9,819,000 of service level support attributed to operating divisions and \$1,027,000 attributed to capital projects as follows:

	2023 Adjusted Budget	2024 Adopted Budget
Service Level Support:		
Power Division (Operations)	\$ (2,465,000)	(2,674,000)
Water Division (Operations)	(6,664,000)	(7,145,000)
Capital Projects	(1,230,000)	(1,027,000)
	\$ (10,359,000)	(10,846,000)

Placer County Water Agency
Agency Wide
Statement of Expenses by Department and Category
2024 Budget Schedule

Operating Expenses	2023 Adjusted Budget	2024 Adopted Budget
Expenses by Department:		
Board of Directors	\$ 190,115	188,916
General Manager's Office	3,004,120	3,120,105
Administrative Services	2,986,274	3,223,729
Customer Services - Public Affairs	421,860	473,535
Financial Services	3,364,821	3,632,407
Technical Services	584,955	626,105
Information Technology	3,269,042	4,182,758
Non-departmental Expenses (Note 1)	787,275	711,275
Service Level Support	(10,359,000)	(10,846,000)
Routine Capital	788,500	255,000
Total Departmental Expenses	\$ 5,037,962	5,567,830

Expenses by Category:		
Personnel Services (Salary & Benefits)	\$ 9,239,928	9,792,944
Operating Supplies	202,759	232,220
Operating Services	2,256,916	2,923,011
Insurance (Note 2)	900,000	1,213,950
Contracted Services	2,008,859	1,996,705
Service Level Support	(10,359,000)	(10,846,000)
Routine Capital	788,500	255,000
Total Expenses by Category	\$ 5,037,962	5,567,830

Note 1 - Non-departmental Expenses	2023	2024
Other Post Employment Benefits (Retiree Health) Pre-Funding	189,000	113,000
CalPERS Unfunded Actuarial Liability Required Contribution	227,138	315,593
CalPERS Unfunded Actuarial Liability Discretionary Contribution	366,137	277,682
Workers' Compensation Claim Allowance	5,000	5,000
	\$ 787,275	711,275

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

Placer County Water Agency
Agency Wide
Statement of Revenues, Expenses and Changes in Net Position - Actual and Budget
[Financial Statement Format]
Years 2019 - 2024

	Audited 2019	Audited 2020	Audited 2021	Audited 2022	Adjusted 2023 Budget	2024 Adopted Budget
Operating Revenue:						
Water Sales (Long-term Contracted)	1,339,457	962,920	2,002,788	1,752,638	1,200,000	1,500,000
Other	86,170	36,556	79,359	39,529	90,000	65,000
Total Operating Revenue	1,425,627	999,476	2,082,147	1,792,167	1,290,000	1,565,000
Operating Expenses:						
General and Administrative (Note 1)	1,136,134	1,731,674	29,645	3,886,536	4,249,462	5,312,830
Depreciation (Note 2)	915,671	1,070,997	1,020,802	1,005,524	-	-
Total Operating Expenses	2,051,805	2,802,671	1,050,447	4,892,060	4,249,462	5,312,830
Operating Income (Loss)	(626,178)	(1,803,195)	1,031,700	(3,099,893)	(2,959,462)	(3,747,830)
Non-Operating Revenue:						
Out of County Water Sales (Note 3)	-	6,650,000	12,500,000	14,400,000	-	-
Costs Recovered from Other Agencies	72,418	156,832	152,646	183,906	-	-
Investment Income (Note 4)	1,500,264	1,437,193	(226,534)	(1,429,496)	450,000	700,000
Property Taxes	1,140,713	1,117,624	1,206,204	1,343,615	1,200,000	1,350,000
Rental Income	634,000	690,000	700,000	728,000	790,000	829,000
Other (Note 5)	(74,637)	6,064,283	(61,923)	(55,957)	-	-
Total Non-Operating Revenue	3,272,758	16,115,932	14,270,393	15,170,068	2,440,000	2,879,000
Transfers	(125,000)	(592,996)	(2,615,763)	190,772	-	-
Net	2,521,580	13,719,741	12,686,330	12,260,947	(519,462)	(868,830)
Beginning Net Position	37,384,749	39,906,329	53,626,070	66,312,400	78,573,347	78,053,885
Ending Net Position	39,906,329	53,626,070	66,312,400	78,573,347	78,053,885	77,185,055

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

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

Note 3 - Out of County Water Sales revenue will be shown on the Financial Statement at time of receipt, whereas the Budget schedule shows the revenue when it is allocated.

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

Note 5 - Included in the 2020 **Other** non-operating revenue is the distribution of 2019 net revenues from the Middle Fork Project Finance Authority.

Placer County Water Agency
Agency Wide
Reserves
2024 Budget Schedule

	January 1, 2023	2023 Activity		2023 Allocation of 2022 Water Sales	2023 Year-end Estimated Balance	2024 Adopted Sources/(Uses)	2024 Year-end Estimated Balance	2024 Adopted Minimum Target
		Budget Sources/(Uses)	CY Board Approved (Uses)					
Operating Reserve:								
Operational	\$ 2,969,380	(1,245,648)		1,500,009	3,223,741	(1,326,512)	1,897,229	2,290,000
General Elections (Note 1)	-	70,000			70,000	(70,000)	-	-
Total Operating Reserve	2,969,380	(1,175,648)	-	1,500,009	3,293,741	(1,396,512)	1,897,229	2,290,000
Capital Reserve:								
Vehicles, Equipment and Other Routine Capital Replacement	1,002,000	(302,000)			700,000	(305,000)	395,000	700,000
Renewable Energy Facilities	2,230,495	(110,009)	(100,000)	3,000,000	5,020,486	(4,450,000)	570,486	8,200,000
IT Infrastructure and Cybersecurity	1,027,090	(491,605)			535,485	(500,000)	35,485	1,000,000
Agency Wide Building Maintenance, New Facilities, and Improvements	1,427,077				1,427,077	(750,000)	677,077	3,000,000
Total Capital Reserve	5,686,662	(903,614)	(100,000)	3,000,000	7,683,048	(6,005,000)	1,678,048	12,900,000
Liabilities Reserve:								
Compensated Absences (current portion)	906,675				906,675		906,675	1,100,000
Insurance Claim Liability/Deductible	500,000				500,000		500,000	500,000
Pension Liability Funding Program	2,044,218	366,137			2,410,355	277,682	2,688,037	3,000,000
Total Liabilities Reserve	3,450,893	366,137	-	-	3,817,030	277,682	4,094,712	4,600,000
Specific Activities, Programs and Special Projects Reserve:								
Out of County Water Sales (To Be Allocated) (Note 2)	14,400,000			(14,400,000)	-		-	-
MFP Water Rights Permit Extension	1,535,000	(35,000)	(1,200,000)	1,200,000	1,500,000	(35,000)	1,465,000	1,500,000
Financial Assistance Program (Grant/Loan Program)	30,983				30,983		30,983	-
Legal Defense Reserve Fund	2,607,722		(1,500,000)		1,107,722		1,107,722	3,000,000
Enterprise Resource Planning (ERP) System Replacement (AW portion)	658,846	(658,846)			-		-	-
Stewardship Matters	13,908,280	(12,000,000)	(1,800,000)	4,000,000	4,108,280	(3,085,000)	1,023,280	5,000,000
Yuba/Bear River Water Supply Reliability	825,000		(500,000)	1,000,000	1,325,000	(450,000)	875,000	4,500,000
Regional Water Supply Reliability Program	2,635,591	(115,000)	(2,250,000)	1,000,000	1,270,591	(330,000)	940,591	10,000,000
Regulatory Mandates	650,000	(649,991)		649,991	650,000		650,000	650,000
Catastrophic Events and Disaster Recovery	3,425,683		(2,800,000)	2,050,000	2,675,683		2,675,683	5,000,000
Total Specific Activities, Programs and Special Projects Reserve	40,677,105	(13,458,837)	(10,050,000)	(4,500,009)	12,668,259	(3,900,000)	8,768,259	29,650,000
Total Agency Wide Reserves	\$ 52,784,040	(15,171,962)	(10,150,000)	-	27,462,078	(11,023,830)	16,438,248	49,440,000

Note 1 - Operating Reserve for General Election - This account is to fund off election year's budget amount to smooth the budgeting for election cost to each year.

Note 2 - Out of County Water Sales - This is a holding account for when revenues are received. The allocation of revenues are considered by the Finance Committee and the Board during the annual Budget cycle.

Agency Wide Division

Reserve Descriptions and Target Methodology

Operating Reserves

Policy: The operating reserve target balance shall be between one hundred days (3.5 months) and one hundred fifty days (5 months) of budgeted operating expenses excluding depreciation, calculated by dividing the total budgeted operating expenses by three hundred and sixty-five and multiplying one hundred fifty (upper range) and one hundred (lower range).

Operational

Description: To provide readily available funds to operate the Agency under conditions of significantly reduced revenue, unforeseen or unanticipated variations in expenses.

Target Methodology/Rationale/Considerations: Target balance shall be between one hundred days (3.5 months) and one hundred fifty days (5 months) of budgeted operating expenses excluding depreciation.

General Elections

Description: To provide annual budgeting for the biennial election costs (off cycle election).

Target Methodology/Rationale/Considerations: 1/2 of the annual estimated election costs.

Capital Reserves

Policy: Based on the existing and future capital needs, the capital reserve target balance shall be determined by the Board of Directors during the budget process.

Vehicles, Equipment and Other Routine Capital Replacement

Description: To provide readily available funds for vehicle and equipment purchases.

Target Methodology/Rationale/Considerations: 2 year estimated equipment replacement needs.

Renewable Energy Facilities

Description: For the development and maintenance of renewable energy facilities, such as biomass or electrification infrastructure, and initiatives not related to the Middle Fork Project, but that benefit the Agency's county-wide stewardship mission.

Target Methodology/Rationale/Considerations: Percentage of Agency Wide Share of Ophir Biomass Center.

IT Infrastructure and Cybersecurity

Description: To provide readily available funds for IT infrastructure and cybersecurity needs as potential regulatory requirements or other matters dictate.

Target Methodology/Rationale/Considerations: Initial target set based on unknown, yet potential vulnerabilities will refine with new Information Security Manager. Including Disaster Recovery efforts in support of the Strategic Plan.

Agency Wide Building Maintenance, New Facilities, and Improvements

Description: To provide funds for capital needs of PCWA's Agency Wide buildings and building maintenance.

Target Methodology/Rationale/Considerations: 2 years estimated CIP needs related to Agency Wide Facilities plus funds for future building needs.

Liability Reserves

Policy: The Director of Financial Services and/or General Manager shall recommend reserve funding levels for insurance deductibles and other liabilities based on an assessment of risk and available funding.

Compensated Absences (current portion)

Description: For the current portion of the compensated absences liability.

Policy: Between 50% and 100% of accumulated employee leave balance, adjusted annual for current amount.

Insurance Claim Liability/Deductible

Description: For anticipated future costs of insurance deductibles or claim liabilities.

Target Methodology/Rationale/Considerations: Agency Wide Self Insured Worker's Compensation liability & other deductibles.

Pension Liability Funding Program

Description: For anticipated future costs related to the Agency Wide portion of the Agency's Unfunded Pension Liability, post 90% funding target level.

Target Methodology/Rationale/Considerations: The current target is based on the June 30, 2019 Actuarial Evaluation and post 90% funded level. If a Section 115 Trust is established for the Agency Wide Division, this target amount would diminish. The target amount will be revised annually based on the unfunded accrued liability as provided by CalPERS.

Specific Activities, Programs and Special Projects Reserves

Policy: The Director of Financial Services and/or General Manager shall recommend reserve funding levels for specific activities, programs and special projects based on an assessment of need and available funding.

One-time County Water Sales (To Be Allocated)

Description: Agency Wide one-time water sales based on voluntary agreements to transfer water in dry year conditions. This reserve account is intended as a temporary account until such time as those funds are allocated or appropriated by the Board.

Target Methodology/Rationale/Considerations: No Target.

MFPFA Net Revenue Distributions (To Be Allocated)

Description: Cash distributions of the Middle Fork Project Finance Authority to the Agency. This reserve account is intended as a temporary account for MFP distributions to the Agency until such time as those funds are allocated or appropriated by the Board.

Target Methodology/Rationale/Considerations: No Target.

MFP Water Rights Permit Extension

Description: To fund the right of Placer County Water Agency to direct and to utilize 120,000 acre-feet of American River Water, pursuant to Placer County Water

Agency's water right permits from the State of California. The complexities of this process, and the intermittent regulatory process requires setting aside funds to account for unforeseen delays, regulatory and legal defense.

Target Methodology/Rationale/Considerations: Reclamation Water Modeling and Water Forum Commitments.

Financial Assistance Program (FAP)

Description: To provide financial assistance to local districts (as defined by Board policy) for the development of eligible water supplies and facilities.

Target Methodology/Rationale/Considerations: Returned unspent FAP awards. No Target.

Legal Defense Reserve Fund

Description: To provide readily available resources for legal defense against claims arising against the Agency and litigation related to the defense of Placer County's water rights.

Target Methodology/Rationale/Considerations: Estimate based on litigating matters through State or Federal Court.

Stewardship Matters

Description: To provide readily available resources for programs and activities related to the stewardship of the County's water resources, including the consolidation, regionalization, or purchase of existing water systems.

Target Methodology/Rationale/Considerations: Consolidation Support and County's water resource needs.

Yuba/Bear River Water Supply Reliability

Description: Resources for Yuba and Bear River water supply reliability. Including Agency-wide share of the planning for potential purchase of all or part of the Drum Spaulding project.

Target Methodology/Rationale/Considerations: Purchase Planning, Estimated percentage of Drum Spaulding Project, Advocacy, Environmental, FERC Relicensing Monitoring (NID/PG&E).

Regional Water Supply Reliability Program

Description: Projects and activities that support diversification of the Agency's water supplies.

Target Methodology/Rationale/Considerations: Current needs are related to the Sacramento RiverArc Project.

Regulatory Mandates

Description: For the fiscal impact of compliance with new Federal, State and county regulations that arise periodically.

Target Methodology/Rationale/Considerations: Voluntary Agreements, Other Delta Issues, Climate Change, Water Bank.

Catastrophic Events and Disaster Recovery

Description: To provide interim appropriations and immediate funding for unforeseen needs or events that impact water resources throughout the County.

Target Methodology/Rationale/Considerations: Wildfire or other natural disasters could threaten Agency water supplies, facilities, or other infrastructure.

Power Division



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Placer County Water Agency
Power Division
2024 Budget Schedule

	2023 Adjusted Budget	2024 Adopted Budget
Revenue		
MFPFA Appropriation (Note 1)	\$ 61,249,440	76,614,351
Total Revenue	61,249,440	76,614,351
Operations		
Administrative Services	1,695,300	-
Field Services	10,000	10,000
Financial Services	1,184,570	3,422,675
General Manager's Office:		
Legal Services	190,680	202,540
Strategic Affairs Resource Management	966,356	936,579
Power System	17,319,569	16,414,412
Energy Marketing	1,512,053	1,645,227
Technical Services	3,920,495	2,976,673
Information Technology	618,917	672,345
Non-departmental Expenses (Note 2)	1,183,000	1,102,000
Service Level Support	2,465,000	2,674,000
Routine Capital	473,500	1,447,900
Total Operations	31,539,440	31,504,351
Capital Projects		
Capital Improvement Plan	29,710,000	45,110,000
Total Capital Projects	29,710,000	45,110,000
Summary		
Total Revenue	61,249,440	76,614,351
Total Operations	31,539,440	31,504,351
Total Capital Projects	29,710,000	45,110,000
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.

	2023	2024
Note 2 - Non-departmental Expenses		
Other Post Employment Benefits (Retiree Health) Pre-Funding	\$ 194,000	113,000
CalPERS Unfunded Actuarial Liability Required Contribution	632,742	879,151
CalPERS Unfunded Actuarial Liability Discretionary Contribution	306,258	59,849
Workers' Compensation Claim Allowance	50,000	50,000
	\$ 1,183,000	1,102,000

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 were \$40.6 million at October 31, 2023.

Placer County Water Agency
Power Division
Statement of Expenses by Department and Category
2024 Budget Schedule

Operating Expenses	2023 Adjusted Budget	2024 Adopted Budget
Expenses by Department:		
Administrative Services (Note 1)	\$ 1,695,300	-
Field Services	10,000	10,000
Financial Services (Note 2)	1,184,570	3,422,675
General Manager's Office	1,157,036	1,139,119
Power System	17,319,569	16,414,412
Energy Marketing	1,512,053	1,645,227
Technical Services	3,920,495	2,976,673
Information Technology	618,917	672,345
Non-departmental Expenses	1,183,000	1,102,000
Service Level Support	2,465,000	2,674,000
Routine Capital	473,500	1,447,900
Total Departmental Expenses	\$ 31,539,440	31,504,351
Expenses by Category:		
Personnel Services (Salary & Benefits)	\$ 9,254,511	9,329,289
Operating Supplies	925,350	965,279
Operating Services	5,084,237	5,021,455
Insurance	1,695,300	2,201,900
Contracted Services	4,442,650	3,470,485
Cost Share Partnerships (Note 3)	3,643,000	3,728,000
FERC License Condition Implementation	3,555,892	2,666,043
Service Level Support	2,465,000	2,674,000
Routine Capital	473,500	1,447,900
Total Expenses by Category	\$ 31,539,440	31,504,351

Note 1 - In 2023 the **Administrative Services** budget was comprised solely of insurance costs.

Note 2 - The **Financial Services** budget is comprised primarily of cost share partnerships, and middle and back office support functions of Energy Marketing. Effective 2024, insurance moves under Financial Services.

Note 3 - Cost Share Partnerships

	2024
US Forest Service:	
Operations and Maintenance	\$ 530,000
Heavy Maintenance	90,000
Technical Services	90,000
Subtotal US Forest Service	710,000
Bureau of Land Management	320,000
Bureau of Reclamation	230,000
Placer County:	
Public Safety	1,070,000
Public Accessibility	700,000
Impact on County Revenues	398,000
Administration	300,000
Subtotal Placer County	2,468,000
Total Cost Share Partnerships	\$ 3,728,000

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 2019 - 2024

	Audited 2019	Audited 2020	Audited 2021	Audited 2022	Adjusted 2023 Budget	2024 Adopted Budget
Revenue:						
MFPFA Appropriation (Power Sales) (Note 1)	33,362,891	38,192,945	35,421,810	29,336,660	61,249,440	76,614,351
Total Revenue	33,362,891	38,192,945	35,421,810	29,336,660	61,249,440	76,614,351
Operating Expenses:						
Electrical Operations & Maintenance	9,242,533	9,693,967	11,592,572	10,543,586	9,650,745	11,451,832
Recreation	2,296,433	2,338,479	2,493,901	2,658,915	2,669,000	2,960,000
Technical Services	689,292	1,277,394	2,509,589	3,234,319	3,920,495	2,976,673
Information Technology	-	-	-	442,353	618,917	672,345
Power General and Administrative	4,583,773	3,717,632	2,242,272	2,821,305	6,192,824	3,114,580
Administrative Services	891,004	1,024,056	1,199,125	1,377,430	1,695,300	-
Financial Services	1,226,187	992,499	740,119	901,381	1,184,570	3,422,675
Legal Services	91,358	134,156	136,147	200,756	190,680	202,540
Strategic Affairs Resource Management	237,456	213,335	338,178	548,712	966,356	936,579
Energy Marketing	1,521,093	1,534,511	965,304	1,320,184	1,512,053	1,645,227
Service Level Support	3,267,387	3,324,800	3,621,000	2,691,000	2,465,000	2,674,000
Depreciation (Note 2)	4,881,379	5,695,437	6,749,926	6,725,322	-	-
Total Operating Expenses	28,941,186	29,946,266	32,588,133	33,465,263	31,065,940	30,056,451
Operating Income (Loss)	4,421,705	8,246,679	2,833,677	(4,128,603)	30,183,500	46,557,900
Non-Operating Revenue:						
Interest Earnings and Other	555,111	481,697	74,650	(8,538)	-	-
Total Non-Operating Revenue:	555,111	481,697	74,650	(8,538)	-	-
Net	4,976,816	8,728,376	2,908,327	(4,137,141)	30,183,500	46,557,900
Beginning Net Position	175,644,330	180,621,146	189,349,522	192,257,849	188,120,708	218,304,208
Ending Net Position	180,621,146	189,349,522	192,257,849	188,120,708	218,304,208	264,862,108

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

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

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Water Division



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Placer County Water Agency
Water Division
2024 Budget Schedule

	2023 Adjusted Budget	2024 Adopted Budget
Revenue		
Water Sales:		
Commodity	\$ 25,613,750	27,662,850
Fixed Charge	20,890,200	22,561,416
Renewal and Replacement	15,473,600	16,711,488
Total Water Sales	61,977,550	66,935,754
Other Revenue	4,708,560	3,272,560
Total Revenue	66,686,110	70,208,314
Operations		
Customer Services	5,165,271	5,236,382
GM Office: Legal Services	190,680	202,540
Field Services	17,505,215	18,106,374
Technical Services	14,222,934	16,181,845
Information Technology	1,458,981	1,460,398
Non-departmental Expenses	3,186,700	2,892,700
Service Level Support	6,664,000	7,145,000
Routine Capital	3,289,350	529,475
Total Operations	51,683,131	51,754,714
Capital Projects		
Capital Improvement Plan	27,376,000	14,664,600
Project Debt Service	4,711,000	3,789,000
Total Capital Projects - Rate Funded	32,087,000	18,453,600
Summary		
Total Revenue	66,686,110	70,208,314
Total Operations	51,683,131	51,754,714
Total Capital Projects (Net of Debt Proceeds)	32,087,000	18,453,600
Revenue Under Expenses	(17,084,021)	-
(To) From Reserves	17,084,021	-
Net	\$ -	-

Placer County Water Agency
Water Division
2024 Revenue Budget Schedule

	2023 Adjusted Budget	2024 Adopted Budget
Revenue		
Water Sales - Treated Retail:		
Commodity	\$ 19,025,000	20,547,000
Fixed Charge	14,055,600	15,180,048
Renewal and Replacement Charge	12,573,800	13,579,704
Subtotal Water Sales - Treated Retail	45,654,400	49,306,752
Water Sales - Treated Resale: (Note 1)		
Commodity	2,208,250	2,384,910
Fixed Charge	6,300,600	6,804,648
Renewal and Replacement Charge	2,585,800	2,792,664
Subtotal Water Sales - Treated Resale	11,094,650	11,982,222
Water Sales - Untreated:		
Commodity	4,144,000	4,475,520
Resale Commodity (Note 2)	236,500	255,420
Fixed Charge	534,000	576,720
Renewal and Replacement Charge	314,000	339,120
Subtotal Water Sales - Untreated	5,228,500	5,646,780
Total Water Sales	61,977,550	66,935,754
Other Revenue:		
Approved Budget Carryover	1,560,000	-
Engineering Charges	1,134,000	1,134,000
Customer Service Charges	676,000	800,000
Contributions in Aid of Construction (Install Charges)	248,560	248,560
Interest Earnings (Operations Portion)	750,000	750,000
Interest Earnings (Capital Portion)	150,000	150,000
Other (Operating and Non-Operating)	190,000	190,000
Total Other Revenue	4,708,560	3,272,560
Total Revenue	\$ 66,686,110	70,208,314

Note 1 - Treated Water Resale and Industrial Customers

California American Water
City of Lincoln
Folsom Lake Mutual Water Company
Golden Hills Mutual Water Company
Hidden Valley Community Association
Lakeview Hills Community Association
Willo-Glen Water Company
Rio Bravo
Midway Heights

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

Placer County Water Agency
Water Division
Statement of Expense by Department and Category
2024 Budget Schedule

Operating Expenses	2023 Adjusted Budget	2024 Adopted Budget
Expenses by Department:		
Customer Services	\$ 5,165,271	5,236,382
GM Office: Legal Services	190,680	202,540
Field Services	17,505,215	18,106,374
Technical Services	14,222,934	16,181,845
Information Technology	1,458,981	1,460,398
Non-departmental Expenses (Note 1)	3,186,700	2,892,700
Service Level Support	6,664,000	7,145,000
Routine Capital	3,289,350	529,475
Total Departmental Expenses	\$ 51,683,131	51,754,714

Expenses by Category:		
Personnel Services (Salary & Benefits)	\$ 22,241,912	22,884,190
Operating Supplies	2,804,125	2,655,200
Chemicals	1,088,830	1,530,413
Operating Services	4,617,904	5,615,306
Purchased Water	5,434,610	5,752,430
MFP Water Pumping	1,370,000	1,970,000
Contracted Services	3,772,400	3,272,700
Service Level Support	6,664,000	7,145,000
Reserve Funding	400,000	400,000
Routine Capital	3,289,350	529,475
Total Expenses by Category	\$ 51,683,131	51,754,714

Note 1 - Non-departmental Expenses	2023	2024
Other Post Employment Benefits (Retiree Health) Pre-Funding	\$ 694,000	400,000
CalPERS Unfunded Actuarial Liability Required Contribution	762,535	1,059,490
CalPERS Unfunded Actuarial Liability Discretionary Contribution	1,210,165	913,210
Workers Compensation Claim Allowance	120,000	120,000
Reserve Funding (Vehicle Replacement Program)	400,000	400,000
	3,186,700	2,892,700

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

	2023 Adjusted Budget	2024 Adopted Budget	2025 Projected Budget	2026 Projected Budget	2027 Projected Budget	2028 Projected Budget
Estimated Reserve Funds Available for Use, January 1	\$ 23,753,548	15,839,148	14,247,036	9,953,328	6,588,311	5,916,272
Capital Sources:						
Renewal & Replacement Charge Revenue(Note 1)	15,473,600	16,711,488	17,881,292	19,132,983	20,280,962	20,787,986
Debt Proceeds - Draws (Note 2)	5,549,000	-	-	-	-	-
Interest	150,000	150,000	150,000	150,000	150,000	150,000
Total Capital Sources	21,172,600	16,861,488	18,031,292	19,282,983	20,430,962	20,937,986
Capital Uses:						
Rate Funded Projects - in Capital Plan 5-yr Budget	24,376,000	14,664,600	18,540,000	18,860,000	17,315,000	16,100,000
Debt Service (paid in January & June)	4,711,000	3,789,000	3,785,000	3,788,000	3,788,000	3,784,000
Total Capital Uses	29,087,000	18,453,600	22,325,000	22,648,000	21,103,000	19,884,000
Estimated Reserve Funds Available for Use, December 31	\$ 15,839,148	14,247,036	9,953,328	6,588,311	5,916,272	6,970,258

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 2024 - 2027 is projected to increase based on the Rate Study, 2028 is projected at a 2.5% increase.

Note 2 - **Debt Proceeds** - February 2023 draw of \$3.4M and anticipated to draw the remaining \$2.1M by year-end 2023.

Placer County Water Agency
Water Division
Water Connection Charge (WCC) - Restricted
2024 Budget Schedule

Cash and Investments Balance - Beginning of Year	
	2023
Total WCC Balance (Restricted)	\$ 59,617,326
Less: Rate Stabilization Reserve	10,000,000
Less: Projects Funded (amount available in construction fund)	7,664,652
Estimated Funds Available for Use, January 1	\$ 41,952,674

	2023 Adjusted Budget	2024 Adopted Budget
Estimated Funds Available for Use, January 1	\$ 41,952,674	42,042,674
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 Improvement Plan Appropriation	2,860,000	9,360,000
Debt Service (paid in January & June)	3,050,000	4,126,000
Total Capital Uses	5,910,000	13,486,000
Estimated Funds Available for Use, December 31	\$ 42,042,674	34,556,674
<i>Estimated Units of Capacity (UOCs) paid</i>	263	263

Water Connection Charge Debt Outstanding (at January 1)	\$ 30,082,725	28,297,050
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Placer County Water Agency
Water Division
Water Connection Charge (WCC) - Restricted
Five Year Projected Capital and Resource Needs

	2023 Adjusted Budget	2024 Adopted Budget	2025 Projected Budget	2026 Projected Budget	2027 Projected Budget	2028 Projected Budget
Estimated Funds Available for Use, January 1*	\$ 41,952,674	42,042,674	34,556,674	20,892,674	8,502,139	5,812,604
Capital Sources:						
Water Connection Charge Revenue	6,000,000	6,000,000	6,000,000	6,000,000	6,000,000	6,000,000
Projected Partnership Contribution	-	-	43,000,000	-	-	-
Debt Proceeds	-	-	57,200,000	-	-	-
Total Capital Sources	6,000,000	6,000,000	106,200,000	6,000,000	6,000,000	6,000,000
Capital Uses:						
Capital Improvement Plan Appropriation	2,860,000	7,360,000	4,645,000	10,825,000	1,125,000	1,442,000
Ophir WTP	-	2,000,000	111,100,000	-	-	-
Existing Debt Service (paid in January & June)	3,050,000	4,126,000	4,119,000	4,189,000	4,188,000	4,156,000
New Debt Service (Note 1)	-	-	-	3,376,535	3,376,535	3,376,535
Total Capital Uses	5,910,000	13,486,000	119,864,000	18,390,535	8,689,535	8,974,535
Estimated Funds Available for Use, December 31	\$ 42,042,674	34,556,674	20,892,674	8,502,139	5,812,604	2,838,069
<i>Estimated Units of Capacity (UOCs) paid</i>	263	263	263	263	263	263

Note 1 - New Debt Service assumes a \$2M premium on a \$55.2M debt issuance at 4.5% interest.

Placer County Water Agency
Water Division
Statement of Revenues, Expenses and Changes in Net Position - Actual and Budget
[Financial Statement Format] Years 2019 - 2024

	Audited 2019	Audited 2020	Audited 2021	Audited 2022	2023 Adjusted Budget	2024 Adopted Budget
Operating Revenue:						
Water Sales	53,082,618	57,644,614	58,365,912	61,122,086	61,977,550	66,935,754
Engineering Charges	828,159	803,824	773,580	1,022,697	1,134,000	1,134,000
Customer Service Charges	842,105	686,222	716,060	924,021	676,000	800,000
Other Revenue	87,239	108,225	87,895	85,835	190,000	190,000
Total Operating Revenue	54,840,121	59,242,885	59,943,447	63,154,639	63,977,550	69,059,754
Operating Expenses:						
Purchased Water	3,991,862	4,770,465	4,710,148	5,091,299	5,434,610	5,752,430
Water Treatment	8,664,994	9,051,455	8,741,551	9,589,507	9,448,619	10,890,401
Pumping Plants & Wells	517,618	909,644	2,712,014	1,813,446	1,370,000	1,970,000
Transmission and Distribution:						
Treated Water	3,600,970	3,661,219	3,646,884	3,752,244	4,129,285	4,121,881
Untreated Water	4,317,585	4,536,722	3,860,441	4,379,304	4,199,791	4,464,055
Operations Administration	1,142,520	1,129,006	1,238,070	1,252,614	1,084,190	1,097,956
Customer Service and Collection	4,759,128	4,660,981	4,772,471	5,041,927	5,165,271	5,236,382
Automotive & Equipment	1,085,973	1,005,429	1,037,238	1,234,641	1,212,335	1,350,577
Engineering	4,826,065	5,071,772	3,643,484	4,338,294	3,404,315	3,321,444
General and Administrative	7,245,844	6,887,794	8,226,998	7,556,995	12,545,365	12,620,113
Subtotal Operating Expenses	40,152,559	41,684,487	42,589,299	44,050,271	47,993,781	50,825,239
Depreciation (Note 1)	18,412,182	18,687,778	19,987,320	20,537,381	-	-
Total Operating Expenses	58,564,741	60,372,265	62,576,619	64,587,652	47,993,781	50,825,239
Operating Income (Loss)	(3,724,620)	(1,129,380)	(2,633,172)	(1,433,013)	15,983,769	18,234,515
Non-Operating Revenue:						
Contributions in Aid of Construction	141,049	228,668	217,320	88,442	248,560	248,560
Water Connection Charge	7,690,159	8,730,256	14,231,261	14,326,014	6,000,000	6,000,000
Investment Income (Note 2)	4,670,517	3,571,603	(634,121)	(2,755,661)	750,000	750,000
Assessments	7,192	6,904	31,130	-	-	-
Gain (Loss) on Disposal of Assets	164,150	235,555	165,641	-	-	-
Grant	461,508	143,880	1,499,429	1,708,559	-	-
Other	181,008	863,612	(37,372)	(1,257,195)	-	-
Total Non-Operating Revenue	13,315,583	13,780,478	15,473,288	12,110,159	6,998,560	6,998,560
Non-Operating Expenses:						
Interest Expense	2,143,940	2,004,360	2,378,007	824,889	-	-
Total Non-Operating Expenses	2,143,940	2,004,360	2,378,007	824,889	-	-
Contributed Capital	5,321,018	7,136,700	4,329,400	2,735,248	-	-
Transfers	125,000	493,185	2,615,763	(190,772)	-	-
Net	12,893,041	18,276,623	17,407,272	12,396,733	22,982,329	25,233,075
Beginning Net Position	489,698,584	502,591,625	520,868,248	538,275,520	550,672,253	573,654,582
Ending Net Position	502,591,625	520,868,248	538,275,520	550,672,253	573,654,582	598,887,657

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.

Placer County Water Agency
Water Division
Reserves
2024 Budget Schedule

	January 1, 2023	2023 Activity			2023 Year-end Estimated Balance	2024 Adopted Sources/(Uses)	2024 Year-End Estimated Balance	2024 Adopted Minimum Target
		Budget Sources/(Uses)	CY Board Approved (Uses)	Transfers/Sources (Note 2)				
Operating Reserve:								
Operational	\$ 13,383,577		(1,003,000)		12,380,577		12,380,577	21,270,000
Revenue Volatility (Note 1)	5,000,000				5,000,000		5,000,000	5,000,000
American River Water Pumping (Electricity)	1,513,250	(696,750)			816,500		816,500	1,500,000
Total Operating Reserve	19,896,827	(696,750)	(1,003,000)	-	18,197,077	-	18,197,077	27,770,000
Capital Reserve:								
Building and Facilities Maintenance and Improvements	2,000,000				2,000,000		2,000,000	2,000,000
IT Infrastructure and Cybersecurity	1,000,000				1,000,000		1,000,000	1,000,000
Vehicles, Equipment and Other Routine Capital Replacement	1,087,418	400,000			1,487,418	400,000	1,887,418	1,500,000
Revolving Grant Matching Funds (Note 3)	500,000				500,000		500,000	500,000
Renewal and Replacement	23,753,548	(16,608,436)	(386,000)	2,088,931	8,848,043		8,848,043	40,280,000
Total Capital Reserve	28,340,966	(16,208,436)	(386,000)	2,088,931	13,835,461	400,000	14,235,461	45,280,000
Liabilities Reserve:								
Compensated Absences (current portion)	2,550,000				2,550,000		2,550,000	2,550,000
Insurance Claim Liability/Deductible	500,000				500,000		500,000	500,000
Pension Liability Funding Program	959,761	1,210,165			2,169,926	913,210	3,083,136	9,000,000
Total Liabilities Reserve	4,009,761	1,210,165	-	-	5,219,926	913,210	6,133,136	12,050,000
Specific Activities, Programs and Special Projects Reserve:								
Legal Defense Reserve Fund	1,500,000				1,500,000		1,500,000	1,500,000
Regulatory Mandates	1,000,000				1,000,000		1,000,000	1,000,000
Catastrophic Events and Disaster Recovery	4,736,719				4,736,719		4,736,719	5,000,000
Total Specific Activities, Programs and Special Projects Reserve	7,236,719	-	-	-	7,236,719	-	7,236,719	7,500,000
Total Water Division Reserves	\$ 59,484,273	(15,695,021)	(1,389,000)	2,088,931	44,489,183	1,313,210	45,802,393	92,600,000

Water Division Operations Debt

Operations Debt Outstanding (at January 1)	\$ 37,780,234	34,360,463
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Note 1 - Revenue Volatility reserve funds are available to offset potential water sales revenue shortfalls due to weather or other variances.

Note 2 - Transfers/Sources includes debt proceeds of \$2.1 million in 2023.

Note 3 - Revolving Grant Matching Funds are available if needed to fund grant expenses anticipated on being reimbursed.

Water Division

Reserve Descriptions and Target Methodology

Operating Reserves

Policy: The operating reserve target balance shall be between one hundred days (3.5 months) and one hundred fifty days (5 months) of budgeted operating expenses excluding depreciation, calculated by dividing the total budgeted operating expenses by three hundred and sixty-five and multiplying one hundred fifty (upper range) and one hundred (lower range).

Operational

Description: To provide readily available funds to operate the Agency under conditions of significantly reduced revenue, unforeseen or unanticipated variations in expenses.

Target Methodology/Rationale/Considerations: Minimum 100 days of budgeted operating expenses.

Revenue Volatility

Description: To provide funds to offset potential water sales revenue shortfalls due to weather or other variances which can vary up to 20%.

Target Methodology/Rationale/Considerations: Up to 20% of the annual budgeted Water Sales commodity revenue. Minimum - Urban Water Management Plan Stage 3.

American River Water Pumping (Electricity)

Description: To provide funding for times of significant pumping or energy price volatility increasing water pumping expense.

Target Methodology/Rationale/Considerations: 2x the average electricity expense for MFP water pumping. Minimum - Urban Water Management Plan Stage 3.

Capital Reserves

Policy: Between the sum of the next two years of projected capital projects costs, excluding expansion (WCC) projects, as determined in the annual Capital Investment Program, and the next five years of projected capital project costs.

Building Maintenance, Facilities Maintenance, and Improvements

Description: To provide funds for building and facilities maintenance and improvements.

Target Methodology/Rationale/Considerations: Estimated costs of building and facility maintenance projects over next 5 years.

IT Infrastructure and Cybersecurity

Description: To provide readily available funds for IT infrastructure and cybersecurity needs as potential regulatory requirements or other matters dictate.

Target Methodology/Rationale/Considerations: Initial target set based on unknown, yet potential vulnerabilities will refine with new Information Security Manager. Including Disaster Recovery efforts in support of the Strategic Plan.

Vehicles, Equipment and Other Routine Capital Replacement

Description: To provide readily available funds for vehicle and equipment purchases.

Target Methodology/Rationale/Considerations: 2 year estimated equipment replacement needs.

Revolving Grant Matching Funds

Description: To provide readily available funds, if needed, to fund grant expenses anticipated on being reimbursed.

Target Methodology/Rationale/Considerations: Based on anticipated grant matching requirements.

Renewal and Replacement

Description: This Reserve account is a sinking fund account whereby annual Renewal and Replacement Revenue is placed then used as approved by the budget. The Reserve is to fund renewal and replacement capital projects for the existing water system.

Target Methodology/Rationale/Considerations: Based on the asset management plan of replacement analysis, the target should be \$25 million.

Liability Reserves

Policy: *The Director of Financial Services and/or General Manager shall recommend reserve funding levels for insurance deductibles and other liabilities based on an assessment of risk and available funding.*

Compensated Absences (current portion)

Description: For the current portion of the compensated absences liability.

Policy: Between 50% and 100% of accumulated employee leave balance, adjusted annual for current amount.

Insurance Claim Liability/Deductible

Description: For anticipated future costs of insurance deductibles or claim liabilities.

Target Methodology/Rationale/Considerations: Self Insured Worker's Compensation liability & other deductibles.

Pension Liability Funding Program

Description: For anticipated future costs related to the Water Division portion of the Agency's Unfunded Pension Liability, post 90% funding target level.

Target Methodology/Rationale/Considerations: The current target is based on the June 30, 2019 Actuarial Evaluation and post 90% funded level. If a Section 115 Trust is established for the Water Division, this target amount would diminish. The target amount will be revised annually based on the unfunded accrued liability as provided by CalPERS.

Specific Activities, Programs and Special Projects Reserves

Policy: The Director of Financial Services and/or General Manager shall recommend reserve funding levels for specific activities, programs and special projects based on an assessment of need and available funding.

Legal Defense Reserve Fund

Description: To provide readily available resources for legal defense against claims arising against the Agency and litigation related to the defense of Placer County's water rights.

Target Methodology/Rationale/Considerations: Amount based on estimate from legal counsel for Prop 218 defense, PG&E Water Rights Contract Protection.

Regulatory Mandates

Description: To provide resources for the fiscal impact of compliance with new Federal, State and County regulations between cost-of-service study cycles.

Target Methodology/Rationale/Considerations: New changes to water supplies, water sales, drought restrictions.

Catastrophic Events and Disaster Recovery

Description: To provide an immediate funding source for significant events or catastrophes.

Target Methodology/Rationale/Considerations: A minimum balance of 1-1.5% of water capital assets net of depreciation.

Capital Improvement Plan



Seasonal Dam Installation, Lincoln



Ginger Drive Pipeline Replacement Project, Auburn

Capital Improvement Plan

This Capital Improvement Plan (CIP) consists of three sections: 1) 2024 Capital Improvement Plan detailing the various 2024 Agency Wide, Power Division and Water Division CIP budgeted projects, 2) 2024 Capital Improvement Plan – Five Year Plan and 3) 2024 Capital Improvement Plan Project Descriptions.

The first section is the **2024 Capital Improvement Plan**, which details the budgeted 2024 project description, the administering department, the funding source (for example, Water Connection Charge, Water Rate Revenue or Middle Fork Project) and the 2024 budgeted amounts.

The second section is the **2024 Capital Improvement Plan - Five Year Plan**, which details the project description, anticipated funding source, administering department, the 2024 budgeted amounts and the estimated annual funding appropriation requirements for the subsequent four years (2025 – 2028).

The third section is the **2024 Capital Improvement Plan Project Descriptions**, which presents a brief description of each 2024 project nature and details.

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2024 Capital Improvement Plan



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2024 Capital Improvement Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	WCC	Rates	Grants	Reserves	Middle Fork Project	2024 TOTAL
AGENCY WIDE PROJECTS										
09018A	American River Water Rights Extension	ENG	Water Supply	1,038,564	-	-	-	35,000	-	35,000
22045A	Drum Spaulding Water Supply Protection	RM	Water Supply	-	-	-	-	450,000	-	450,000
14056W	RiverArc	ENG	Planning	946,554	-	-	-	330,000	-	330,000
	IT Business Network Core Switch Upgrades	IT	Other	-	-	-	-	500,000	-	500,000
	IT Office Remodel	ENG	Other	-	-	-	-	50,000	-	50,000
23019A	Ferguson Rd Campus Solar Project	ENG	Other	89,547	-	-	-	4,450,000	-	4,450,000
	Shady Glen Community Water System Consolidation	ENG	TWT&D	-	-	-	3,000,000	-	-	3,000,000
22030A	Sierra Meadows Consolidation	ENG	Other	-	-	-	-	85,000	-	85,000
	<i>Facility Improvements</i>									
23024A	AW HVAC Improvements	FIELD	Facility Imprv.	192	-	-	-	50,000	-	50,000
23028A	AW Carpet Maintenance	FIELD	Facility Imprv.	131,000	-	-	-	125,000	-	125,000
23029A	AW Painting Maintenance	FIELD	Facility Imprv.	35,000	-	-	-	25,000	-	25,000
	Heritage Center Rehab	FIELD	Facility Imprv.	-	-	-	-	250,000	-	250,000
	IT/Energy Marketing Roof Repair	ENG	Facility Imprv.	-	-	-	-	150,000	-	150,000
	FFC Tenant Improvements	PWR	Facility Imprv.	-	-	-	-	150,000	-	150,000
23022A	Facility Improvements Projects		Facility Imprv.	166,192	-	-	-	750,000	-	750,000
	Agency Wide Projects			2,240,857	-	-	3,000,000	6,650,000	-	9,650,000

2024 Capital Improvement Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	WCC	Rates	Grants	Reserves	Middle Fork Project	2024 TOTAL
COUNTY-WIDE MASTER PLAN										
	Financial Assistance Program	CWMP	Other	-	-	-	-	250,000	-	250,000
	County Wide Master Plan				-	-	-	250,000	-	250,000
TOTAL AGENCY WIDE PROJECTS					-	-	3,000,000	6,900,000	-	9,900,000
POWER DIVISION PROJECTS (MINOR PROJECTS FOR MFP FINANCE AUTHORITY)										
14005P	MFP Security Improvements	PWR	Other	248,183	-	-	-	-	100,000	100,000
	Communication Equipment DC Power Conversion	IT	Other	-	-	-	-	-	300,000	300,000
	Safety Program	ENG	Other	-	-	-	-	-	32,000	32,000
	Jib Crane Replacement	PWR	Plant	-	-	-	-	-	50,000	50,000
	MFP Turbine Vibration Monitoring System	PWR	Plant	-	-	-	-	-	150,000	150,000
SUBTOTAL POWER DIVISION PROJECTS [MINOR PROJECTS FOR MFP FINANCE AUTHORITY]					-	-	-	-	632,000	632,000
POWER DIVISION PROJECTS (MAJOR PROJECTS - AUTHORIZED FOR MFP FINANCE AUTHORITY)										
	<i>Major Projects Stand-Alone</i>									
22036P	MFP Forest Management	SARM	Environmental	80,509	-	-	-	-	300,000	300,000
17004P	French Meadows Forest Management	SARM	Environmental	210,717	-	-	-	-	200,000	200,000
	Backup Generator Upgrades	PWR	Plant	-	-	-	-	-	250,000	250,000
	<i>Sediment Removal</i>									
	Ralston Afterbay Sediment Removal (Mosquito Fire)	PWR	Plant	-	-	-	-	-	8,000,000	8,000,000
23027P	Sediment Removal	PWR	Other	1,572,066	-	-	-	-	8,000,000	8,000,000
	<i>French Meadows Powerhouse Reliability Upgrades</i>			1,005,095						

2024 Capital Improvement Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	WCC	Rates	Grants	Reserves	Middle Fork Project	2024 TOTAL
19013P	FM Penstock Interior Inspection & Relining	PWR	Plant	1,502,005	-	-	-	-	2,500,000	2,500,000
	FMPH Thrust Bearing Lift Pump Replacement	PWR	Plant	-	-	-	-	-	250,000	250,000
19020P	FMPH Generator and GSU Protection Upgrade	PWR	Plant	97,576	-	-	-	-	150,000	150,000
	FMPH Transmission Line Protection Upgrade	PWR	Plant	-	-	-	-	-	100,000	100,000
	FMPH Battery Bank Online Monitoring Upgrade and Rack Replacement	PWR	Plant	-	-	-	-	-	80,000	80,000
20021P	FMPH Turbine PRV Replacement	PWR	Plant	3,799	-	-	-	-	250,000	250,000
	FMPH Main Transformer Replacement	PWR	Plant	-	-	-	-	-	400,000	400,000
14007P	French Meadows Powerhouse Reliability Upgrades	PWR	Plant	2,608,475	-	-	-	-	3,730,000	3,730,000
	<i>Hell Hole Powerhouse Reliability Upgrades</i>			<i>1,419,847</i>						
	Hell Hole Excitation Improvements	PWR	Plant	-	-	-	-	-	120,000	120,000
12016P	Hell Hole 12kV Transmission Line Replacement	PWR	Plant	-	-	-	-	-	400,000	400,000
	Hell Hole Stream Maintenance Valve Upgrade	PWR	Plant	-	-	-	-	-	150,000	150,000
14003P	Hell Hole Powerhouse Reliability Upgrades	PWR	Plant	1,419,847	-	-	-	-	670,000	670,000
	<i>Middle Fork Powerhouse Reliability Upgrades</i>			<i>350,000</i>						
	MF Penstock Internal Lining Inspection	PWR	Plant	-	-	-	-	-	250,000	250,000
	MFPH Main Transformer and Bus Protection Replacement	PWR	Plant	-	-	-	-	-	150,000	150,000
	MFPH Transformer Replacement	PWR	Plant	-	-	-	-	-	6,000,000	6,000,000
	MFPH Online Partial Discharge Monitoring Upgrade	PWR	Plant	-	-	-	-	-	300,000	300,000
	MFPH Battery Bank Online Monitoring Upgrade and Rack Replacement	PWR	Plant	-	-	-	-	-	120,000	120,000
21010P	Interbay Dam Radial Gate Hoist Improvement	PWR	Plant	19,158	-	-	-	-	20,000	20,000

2024 Capital Improvement Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	WCC	Rates	Grants	Reserves	Middle Fork Project	2024 TOTAL
14009P	Middle Fork Powerhouse Reliability Upgrades	PWR	Plant	369,158	-	-	-	-	6,840,000	6,840,000
	<i>Oxbow Powerhouse Reliability Upgrades</i>			<i>474,880</i>						
	OXPB Bus & T-Line Protection Replacement	PWR	Plant	-	-	-	-	-	120,000	120,000
	OXPB Plant RTU Replacement	PWR	Plant	-	-	-	-	-	100,000	100,000
22032P	Abay Dam Radial Gate Structural Retrofit	PWR	Plant	20,375	-	-	-	-	25,000	25,000
21009P	Abay Dam Radial Gate Hoist Improvement	PWR	Plant	18,515	-	-	-	-	150,000	150,000
	Abay Dam Lift Joint "Body" Drains	PWR	Plant	-	-	-	-	-	300,000	300,000
	After-Bay LLO Gate Modifications	PWR	Plant	-	-	-	-	-	50,000	50,000
14010P	Oxbow Powerhouse Reliability Upgrades	PWR	Plant	513,770	-	-	-	-	745,000	745,000
	<i>Ralston Powerhouse Reliability Upgrades</i>			<i>161,019</i>						
19015P	RA Penstock Internal Lining Inspection	PWR	Plant	25,139	-	-	-	-	250,000	250,000
	RAPH Main Transformer Replacement	PWR	Plant	-	-	-	-	-	7,500,000	7,500,000
	RAPH Online Partial Discharge Monitoring Upgrade	PWR	Plant	-	-	-	-	-	150,000	150,000
14012P	Ralston Powerhouse Reliability Upgrades	PWR	Plant	186,158	-	-	-	-	7,900,000	7,900,000
SUBTOTAL POWER DIVISION UPGRADE AND RENEWAL, REPLACEMENT & RELIABILITY PROJECTS (MAJOR PROJECTS - AUTHORIZED FOR MFP FINANCE AUTHORITY)					-	-	-	-	28,635,000	28,635,000
	<i>FERC License - Project Infrastructure</i>			<i>6,542,186</i>						
12018P	Duncan Creek Diversion Dam Upgrade & Recreation Trail	PWR	Plant	2,015,241	-	-	-	-	275,000	275,000
20006P	South Fork Long Canyon Diversion Upgrade	PWR	Plant	2,869,487	-	-	-	-	2,000,000	2,000,000
20005P	North Fork Long Canyon Diversion Upgrade	PWR	Plant	2,593,992	-	-	-	-	1,000,000	1,000,000
09009A	HH Dam Seasonal Storage	PWR	Plant	-	-	-	-	-	8,000,000	8,000,000

2024 Capital Improvement Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	WCC	Rates	Grants	Reserves	Middle Fork Project	2024 TOTAL
21021P	MFP Power Pole Upgrades	PWR	Plant	210,664	-	-	-	-	150,000	150,000
15016P	MFP Cooperative Road Management	PWR	Other	581,000	-	-	-	-	250,000	250,000
	Ralston Afterbay Sediment Relocation Plan (FERC SMP)	PWR	Environmental	-	-	-	-	-	100,000	100,000
14013P	FERC License - Project Infrastructure	PWR	Plant	14,809,166	-	-	-	-	11,775,000	11,775,000
	<i>FERC License - Project Recreation Facilities</i>			<i>2,696,866</i>						
15009P	FM South Shore Water Supply	PWR	Environmental	3,371,260	-	-	-	-	1,000,000	1,000,000
14018P	Indian Bar River Access	PWR	Environmental	1,653,823	-	-	-	-	100,000	100,000
14019P	FM Campground and Dump Station	PWR	Environmental	7,785,991	-	-	-	-	500,000	500,000
16012P	Hell Hole Recreation Work Station & Storage Facility for USFS	PWR	Environmental	7,550,266	-	-	-	-	150,000	150,000
21048P	HH Parking Improvements	PWR	Environmental	378,232	-	-	-	-	50,000	50,000
21049P	HH Support Facilities Water Supply	PWR	Environmental	1,661,315	-	-	-	-	190,000	190,000
14020P	FM Boat Ramp Extension and Picnic Area	PWR	Environmental	718,347	-	-	-	-	100,000	100,000
23033P	FM North Shore Water Supply	PWR	Environmental	-	-	-	-	-	50,000	50,000
23034P	McGuire Picnic Area Conversion to Group Campground	PWR	Environmental	-	-	-	-	-	230,000	230,000
23032P	Lewis Campground	PWR	Environmental	-	-	-	-	-	260,000	260,000
20028P	Afterbay Picnic Area	PWR	Environmental	93,004	-	-	-	-	75,000	75,000
20029P	MF Stream Gage Trail Improvements	PWR	Environmental	11,288	-	-	-	-	25,000	25,000
	MFPH Pedestrian Bypass	PWR	Environmental	-	-	-	-	-	150,000	150,000
20030P	Abay Sediment Removal Access Point	PWR	Environmental	54,583	-	-	-	-	588,000	588,000

2024 Capital Improvement Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	WCC	Rates	Grants	Reserves	Middle Fork Project	2024 TOTAL
	Middle Meadows CG Vertical Well	PWR	Environmental	-	-	-	-	-	600,000	600,000
14014P	FERC License - Project Recreation Facilities	PWR	Environmental	25,974,975	-	-	-	-	4,068,000	4,068,000
SUBTOTAL POWER DIVISION FERC LICENSE PROJECTS (MAJOR PROJECTS - AUTHORIZED FOR MFP FINANCE AUTHORITY)					-	-	-	-	15,843,000	15,843,000
SUBTOTAL POWER DIVISION PROJECTS [MAJOR PROJECTS - AUTHORIZED FOR MFP FINANCE AUTHORITY]					-	-	-	-	44,478,000	44,478,000
TOTAL POWER DIVISION PROJECTS					-	-	-	-	45,110,000	45,110,000
WATER DIVISION PROJECTS										
WATER DIVISION - EXPANSION PROJECTS										
<i>Treatment Projects</i>										
	Ophir WTP - Phase 1	ENG	Treatment	-	2,000,000	-	-	-	-	2,000,000
23015W	ARPS and ORPS Standby Power Phase 2	ENG	Treatment	287,373	5,600,000	-	-	-	-	5,600,000
	Treatment Projects	ENG	Treatment	Ongoing	7,600,000	-	-	-	-	7,600,000
<i>Treated Water Transmission & Distribution Projects</i>										
16022W	Placer Parkway Pipelines	ENG	TWT&D	162,405	100,000	-	-	-	-	100,000
	Curry Ct Pipeline Loop - Shadow Rock Estates	ENG	TWT&D	-	360,000	-	-	-	-	360,000
22041W	FHWTP & Oak Terrace Pump Station	ENG	TWT&D	191,151	1,100,000	-	-	-	-	1,100,000
	Treated Water Transmission & Distribution	ENG	TWT&D	353,556	1,560,000	-	-	-	-	1,560,000
<i>Planning Projects</i>										
14056W	RiverArc	ENG	Planning	946,554	200,000	-	-	-	-	200,000
	Planning Projects	ENG	Planning	Ongoing	200,000	-	-	-	-	200,000
SUBTOTAL WATER DIVISION EXPANSION PROJECTS					9,360,000	-	-	-	-	9,360,000

2024 Capital Improvement Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	WCC	Rates	Grants	Reserves	Middle Fork Project	2024 TOTAL
WATER DIVISION - RATES PROJECTS										
	<i>Treatment Projects</i>			160,000						
	Alta WTP Dry Chemical Storage	ENG	Treatment	-	-	50,000	-	-	-	50,000
	Bowman WTP Upgrades - Phase 3- Flocculator Basin Rebuild	ENG	Treatment	-	-	50,000	-	-	-	50,000
18005W	Colfax WTP	ENG	Treatment	32,413,880	-	250,000	-	-	-	250,000
	Monte Vista WTP Improvements	ENG	Treatment	-	-	50,000	-	-	-	50,000
	Foothill WTP Phasing Study	ENG	Treatment	-	-	100,000	-	-	-	100,000
	Foothill #1 ACTIFLO Mixer & Scraper Replacement	ENG	Treatment	-	-	250,000	-	-	-	250,000
	Sunset WTP Basin/Floculator Rehabilitation	ENG	Treatment	-	-	200,000	-	-	-	200,000
	Weimar Backup Power	ENG	Treatment	-	-	300,000	-	-	-	300,000
	Water Treatment Plant Maintenance	ENG	Treatment	-	-	630,000	-	-	-	630,000
	Sunset WTP Chemical Storage Tanks	ENG	Treatment	-	-	300,000	-	-	-	300,000
18032W	Treatment Projects	ENG	Treatment	32,573,880	-	2,180,000	-	-	-	2,180,000
	<i>Treated Water Transmission & Distribution Projects</i>			16,852						
22018W	Covey Road Pipe Replacement	ENG	TWT&D	18,187	-	600,000	-	-	-	600,000
	Fulweiler Ave to Garfield St. Main Replacement	ENG	TWT&D	-	-	200,000	-	-	-	200,000
22027W	Old State Highway - Buena Vista to Taylor Road	ENG	TWT&D	37,416	-	20,000	-	-	-	20,000
	Water Meter Replacement Program	CS	TWT&D	-	-	300,000	-	-	-	300,000
	Weimar PRV Upgrades	ENG	TWT&D	-	-	200,000	-	-	-	200,000
	Tinker Fluoride System Rehab	ENG	TWT&D	-	-	50,000	-	-	-	50,000

2024 Capital Improvement Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	WCC	Rates	Grants	Reserves	Middle Fork Project	2024 TOTAL
	TWT&D Maintenance	ENG	TWT&D	-	-	30,000	-	-	-	30,000
21029W	Rocklin Main Replacements - Phase 1	ENG	TWT&D	23,451	-	3,200,000	-	-	-	3,200,000
18033W	Treated Water Transmission & Distribution	ENG	TWT&D	95,906	-	4,600,000	-	-	-	4,600,000
	<i>Treated Water Transmission & Distribution - Other Projects</i>			<i>92,582</i>						
	Non Agency Project Facility Relocation	ENG	TWT&D-O	-	-	100,000	-	-	-	100,000
22002W	Treated Water Transmission & Distribution - Other Projects	ENG	TWT&D-O	92,582	-	100,000	-	-	-	100,000
	<i>Raw Water Transmission & Distribution Projects</i>			<i>658,672</i>						
21015W	I-80 RW Crossings Replacement	ENG	RWT&D	97,459	-	300,000	-	-	-	300,000
	Auburn Tunnel Pump Station 1,2, & 3 Pumps R&R	ENG	RWT&D	-	-	300,000	-	-	-	300,000
	Kilmer Siphon Replacement	ENG	RWT&D	-	-	150,000	-	-	-	150,000
18023W	Ben Franklin Canal Repair Stn 9 to 20	ENG	RWT&D	731,909	-	165,000	-	-	-	165,000
	Moore Canal Fish Screen	ENG	RWT&D	-	-	300,000	-	-	-	300,000
	Lakeshore Flume Replacement	ENG	RWT&D	-	-	150,000	-	-	-	150,000
	RWT&D Maintenance	ENG	RWT&D	-	-	200,000	-	-	-	200,000
18034W	Raw Water Transmission & Distribution Projects	ENG	RWT&D	1,488,040	-	1,565,000	-	-	-	1,565,000

2024 Capital Improvement Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	WCC	Rates	Grants	Reserves	Middle Fork Project	2024 TOTAL
	<i>Treated Water Storage Projects</i>									
23014W	Applegate Tank Rehabilitation	ENG	TW Storage	64,925	-	200,000	-	-	-	200,000
	TW Storage Maintenance	ENG	TW Storage	-	-	140,000	-	-	-	140,000
21012W	Monte Vista Tank Replacement	ENG	TW Storage	936,846	-	1,400,000	-	-	-	1,400,000
18035W	Treated Water Storage Projects	ENG	TW Storage	1,001,771	-	1,740,000	-	-	-	1,740,000
	<i>Groundwater Projects</i>									
	Bianchi Well Demo	ENG	Groundwater	-	-	25,000	-	-	-	25,000
18037W	Groundwater Projects	ENG	Groundwater	-	-	25,000	-	-	-	25,000
	<i>Field Services Projects</i>									
19001W	Field Services RWCIP	FIELD	Various	195,328	-	900,000	-	-	-	900,000
	Field Gunite CIP	FIELD	Various	-	-	1,400,000	-	-	-	1,400,000
19003W	Field Services TWCIP	FIELD	Various	281,061	-	500,000	-	-	-	500,000
	Field Services Raw Water Efficiency	FIELD	Various	-	-	400,000	-	-	-	400,000
	Field Services Projects	FIELD	Various	Ongoing	-	3,200,000	-	-	-	3,200,000
	<i>Instrumentation, Control, and SCADA Projects</i>									
23013W	SCADA - Ophir Road Pump Station - Programable Logic Controller Replacement	IT	I, C, & SCADA	150,000	-	300,000	-	-	-	300,000
	Foothill WTP SCADA PLC Phase 2	IT	I, C, & SCADA	-	-	300,000	-	-	-	300,000
	Instrumentation, Control, and SCADA Projects	ENG	Planning	Ongoing	-	600,000	-	-	-	600,000

2024 Capital Improvement Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	WCC	Rates	Grants	Reserves	Middle Fork Project	2024 TOTAL
	<i>Planning Projects</i>									
21045W	Water System Renewal and Replacement Planning	ENG	Planning	3,146	-	20,000	-	-	-	20,000
	Planning Projects	ENG	Planning	Ongoing	-	20,000	-	-	-	20,000
	<i>Other Projects</i>									
22035A	Safety Program	ENG	Miscellaneous	88,855	-	9,000	-	-	-	9,000
22029W	Water System Security Improvements - Phase 2	ENG	Miscellaneous	774,972	-	448,600	-	-	-	448,600
	LMS Asphalt and Approach Grading and Rehab	ENG	Miscellaneous	-	-	30,000	-	-	-	30,000
	Fuel System Upgrade (Dispensers)	FIELD	Miscellaneous	-	-	75,000	-	-	-	75,000
	Facility Maintenance (Water Division)	FIELD	Miscellaneous	-	-	50,000	-	-	-	50,000
	Meter Test Shop	CS	Miscellaneous	-	-	22,000	-	-	-	22,000
	Other Projects	ENG	Miscellaneous	Ongoing	-	634,600	-	-	-	634,600
SUBTOTAL WATER DIVISION - RATES PROJECTS					-	14,664,600	-	-	-	14,664,600
TOTAL WATER DIVISION PROJECTS					9,360,000	14,664,600	-	-	-	24,024,600
TOTAL CIP BUDGET					9,360,000	14,664,600	3,000,000	6,900,000	45,110,000	79,034,600

Five Year Capital Improvement Plan



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2024 Capital Improvement Plan - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2024	Projected 2025	Projected 2026	Projected 2027	Projected 2028	TOTAL 2024-2028
AGENCY WIDE PROJECTS										
09018A	American River Water Rights Extension	ENG	Water Supply	1,038,564	35,000	35,000	35,000	35,000	-	140,000
22045A	Drum Spaulding Water Supply Protection	RM	Water Supply	-	450,000	250,000	100,000	-	-	800,000
14056W	RiverArc	ENG	Planning	946,554	330,000	95,000	65,000	65,000	65,000	620,000
	IT Business Network Core Switch Upgrades	IT	Other	-	500,000	-	-	-	-	500,000
	IT Office Remodel	ENG	Other	-	50,000	-	-	-	-	50,000
23019A	Ferguson Rd Campus Solar Project	ENG	Other	89,547	4,450,000	-	-	-	-	4,450,000
21025W	Duncan Hill Treated Water Improvements Project	ENG	TWT&D	5,760,656	-	1,951,000	-	-	-	1,951,000
	Shady Glen Community Water System Consolidation	ENG	TWT&D	-	3,000,000	-	-	-	-	3,000,000
22030A	Sierra Meadows Consolidation	ENG	Other	-	85,000	-	-	-	-	85,000
	<i>Facility Improvements</i>									
23024A	AW HVAC Improvements	FIELD	Facility Imprv.	192	50,000	-	-	-	-	50,000
23028A	AW Carpet Maintenance	FIELD	Facility Imprv.	131,000	125,000	-	-	-	-	125,000
23029A	AW Painting Maintenance	FIELD	Facility Imprv.	35,000	25,000	-	-	-	-	25,000
	Building Maintenance	FIELD	Facility Imprv.	-	-	100,000	100,000	100,000	100,000	400,000
	Heritage Center Rehab	FIELD	Facility Imprv.	-	250,000	-	-	-	-	250,000
	IT/Energy Marketing Roof Repair	ENG	Facility Imprv.	-	150,000	-	-	-	-	150,000
	FFC Tenant Improvements	PWR	Facility Imprv.	-	150,000	-	-	-	-	150,000
23022A	Facility Improvements Projects		Facility Imprv.	166,192	750,000	100,000	100,000	100,000	100,000	1,150,000

2024 Capital Improvement Plan - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2024	Projected 2025	Projected 2026	Projected 2027	Projected 2028	TOTAL 2024-2028
	Agency Wide Projects				9,650,000	2,431,000	300,000	200,000	165,000	12,746,000
COUNTY-WIDE MASTER PLAN										
	Financial Assistance Program	CWMP	Other	-	250,000	-	-	-	-	250,000
	County Wide Master Plan				250,000	-	-	-	-	250,000
TOTAL AGENCY WIDE PROJECTS					9,900,000	2,431,000	300,000	200,000	165,000	12,996,000
POWER DIVISION PROJECTS (MINOR PROJECTS FOR MFP FINANCE AUTHORITY)										
14005P	MFP Security Improvements	PWR	Other	248,183	100,000	-	-	-	-	100,000
	Communication Equipment DC Power Conversion	IT	Other	-	300,000	-	-	-	-	300,000
	Safety Program	ENG	Other	-	32,000	-	-	-	-	32,000
	Jib Crane Replacement	PWR	Plant	-	50,000	250,000	-	-	-	300,000
	MFP Turbine Vibration Monitoring System	PWR	Plant	-	150,000	450,000	-	-	-	600,000
SUBTOTAL POWER DIVISION PROJECTS [MINOR PROJECTS FOR MFP FINANCE AUTHORITY]					632,000	700,000	-	-	-	1,332,000
POWER DIVISION PROJECTS (MAJOR PROJECTS - AUTHORIZED FOR MFP FINANCE AUTHORITY)										
	<i>Major Projects Stand-Alone</i>									
22036P	MFP Forest Management	SARM	Environmental	80,509	300,000	300,000	300,000	300,000	300,000	1,500,000
17004P	French Meadows Forest Management	SARM	Environmental	210,717	200,000	200,000	100,000	100,000	10,000	610,000
	Backup Generator Upgrades	PWR	Plant	-	250,000	2,000,000	100,000	-	-	2,350,000
	<i>Sediment Removal</i>									
20043P	Interbay Sediment Removal	PWR	Plant	1,572,066	-	2,500,000	2,500,000	2,500,000	2,500,000	10,000,000
	Ralston Afterbay Sediment Removal (Mosquito Fire)	PWR	Plant	-	8,000,000	500,000	-	-	-	8,500,000

2024 Capital Improvement Plan - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2024	Projected 2025	Projected 2026	Projected 2027	Projected 2028	TOTAL 2024-2028
23027P	Sediment Removal	PWR	Other	1,572,066	8,000,000	3,000,000	2,500,000	2,500,000	2,500,000	18,500,000
	<i>French Meadows Powerhouse Reliability Upgrades</i>			<i>1,005,095</i>						
19013P	FM Penstock Interior Inspection & Relining	PWR	Plant	1,502,005	2,500,000	100,000	25,000	-	-	2,625,000
	FM Penstock External Coating Inspection	PWR	Plant	-	-	250,000	-	-	-	250,000
	FMPH Thrust Bearing Lift Pump Replacement	PWR	Plant	-	250,000	-	-	-	-	250,000
19020P	FMPH Generator and GSU Protection Upgrade	PWR	Plant	97,576	150,000	-	-	-	-	150,000
	FMPH Transmission Line Protection Upgrade	PWR	Plant	-	100,000	150,000	-	-	-	250,000
	FMPH Battery Bank Online Monitoring Upgrade and Rack Replacement	PWR	Plant	-	80,000	-	-	-	-	80,000
20021P	FMPH Turbine PRV Replacement	PWR	Plant	3,799	250,000	1,000,000	-	-	-	1,250,000
	FMPH Plant RTU Replacement	PWR	Plant	-	-	125,000	-	-	-	125,000
	FMPH Unit Control Board Upgrade	PWR	Plant	-	-	-	150,000	150,000	-	300,000
	FMPH Station Service Modernization	PWR	Plant	-	-	-	-	350,000	200,000	550,000
	FMPH Main Transformer Replacement	PWR	Plant	-	400,000	-	-	100,000	1,000,000	1,500,000
	LL Anderson Dam - Crest Improvements	PWR	Plant	-	-	50,000	400,000	8,000,000	250,000	8,700,000
	LL Anderson Dam to Duncan Creek Comm	PWR	Plant	-	-	-	50,000	100,000	600,000	750,000
14007P	French Meadows Powerhouse Reliability Upgrades	PWR	Plant	2,608,475	3,730,000	1,675,000	625,000	8,700,000	2,050,000	16,780,000
	<i>Hell Hole Powerhouse Reliability Upgrades</i>			<i>1,019,688</i>						
	Hell Hole Excitation Improvements	PWR	Plant	-	120,000	-	-	-	-	120,000
12016P	Hell Hole 12kV Transmission Line Replacement	PWR	Plant	-	400,000	7,500,000	-	-	-	7,900,000
12016P	Hell Hole Substation Rebuild	PWR	Plant	400,159	-	1,000,000	-	-	-	1,000,000

2024 Capital Improvement Plan - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2024	Projected 2025	Projected 2026	Projected 2027	Projected 2028	TOTAL 2024-2028
	Hell Hole Stream Maintenance Valve Upgrade	PWR	Plant	-	150,000	-	-	-	-	150,000
	Hell Hole Dam Low Level Outlet Tunnel Safety Improvements	PWR	Plant	-	-	-	-	250,000	2,500,000	2,750,000
14003P	Hell Hole Powerhouse Reliability Upgrades	PWR	Plant	1,419,847	670,000	8,500,000	-	250,000	2,500,000	11,920,000
	<i>Middle Fork Powerhouse Reliability Upgrades</i>			<i>350,000</i>						
	MF Penstock Internal Lining Inspection	PWR	Plant	-	250,000	-	-	-	-	250,000
	MFPH Main Transformer and Bus Protection Replacement	PWR	Plant	-	150,000	150,000	-	-	-	300,000
	MFPH Transformer Replacement	PWR	Plant	-	6,000,000	3,000,000	1,000,000	-	-	10,000,000
	MFPH Online Partial Discharge Monitoring Upgrade	PWR	Plant	-	300,000	-	-	-	-	300,000
	MFPH Battery Bank Online Monitoring Upgrade and Rack Replacement	PWR	Plant	-	120,000	-	-	-	-	120,000
	MF Penstock Drainage	PWR	Plant	-	-	1,200,000	75,000	75,000	-	1,350,000
21010P	Interbay Dam Radial Gate Hoist Improvement	PWR	Plant	19,158	20,000	-	-	-	-	20,000
	MF Penstock External Coating Inspection	PWR	Plant	-	-	250,000	-	-	-	250,000
	MFPH Plant RTU Replacement	PWR	Plant	-	-	150,000	-	-	-	150,000
	MFPH Station Service Modernization	PWR	Plant	-	-	-	100,000	700,000	-	800,000
	MFPH Unit 1 Overhaul & Generator Rewind	PWR	Plant	-	-	-	200,000	2,000,000	2,000,000	4,200,000
	Interbay LLO Gate Modifications	PWR	Plant	-	-	100,000	250,000	1,000,000	-	1,350,000
	Interbay Dam Radial Gate Structural Retrofit	PWR	Plant	-	-	50,000	100,000	200,000	200,000	550,000
	MFPH Unit Control Board Upgrade	PWR	Plant	-	-	-	-	-	150,000	150,000
14009P	Middle Fork Powerhouse Reliability Upgrades	PWR	Plant	369,158	6,840,000	4,900,000	1,725,000	3,975,000	2,350,000	19,790,000
	<i>Oxbow Powerhouse Reliability Upgrades</i>			<i>474,880</i>						

2024 Capital Improvement Plan - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2024	Projected 2025	Projected 2026	Projected 2027	Projected 2028	TOTAL 2024-2028
	OXPH Intake Gate Hoist Replacement	PWR	Plant	-	-	1,200,000	350,000	150,000	-	1,700,000
	OXPH Bus & T-Line Protection Replacement	PWR	Plant	-	120,000	120,000	-	-	-	240,000
	OXPH Plant RTU Replacement	PWR	Plant	-	100,000	100,000	-	-	-	200,000
22032P	Abay Dam Radial Gate Structural Retrofit	PWR	Plant	20,375	25,000	25,000	25,000	200,000	200,000	475,000
21009P	Abay Dam Radial Gate Hoist Improvement	PWR	Plant	18,515	150,000	650,000	-	-	-	800,000
	Abay Dam Lift Joint "Body" Drains	PWR	Plant	-	300,000	50,000	-	-	-	350,000
	After-Bay LLO Gate Modifications	PWR	Plant	-	50,000	1,000,000	250,000	-	-	1,300,000
	OXPH Battery Bank Online Monitoring Equipment Upgrade	PWR	Plant	-	-	120,000	-	-	-	120,000
	OXPH Unit Control Board Upgrades	PWR	Plant	-	-	-	100,000	100,000	100,000	300,000
	OXPH Station Service Modernization	PWR	Plant	-	-	-	-	350,000	350,000	700,000
	OXPH Unit Overhaul & Generator Rewind	PWR	Plant	-	-	-	-	-	250,000	250,000
14010P	Oxbow Powerhouse Reliability Upgrades	PWR	Plant	513,770	745,000	3,265,000	725,000	800,000	900,000	6,435,000
	<i>Ralston Powerhouse Reliability Upgrades</i>			<i>161,019</i>						
19015P	RA Penstock Internal Lining Inspection	PWR	Plant	25,139	250,000	5,250,000	250,000	250,000	250,000	6,250,000
	RA Penstock Access Improvements	PWR	Plant	-	-	-	1,500,000	500,000	-	2,000,000
	RAPH Online Partial Discharge Monitoring Upgrade	PWR	Plant	-	150,000	-	-	-	-	150,000
	RA Penstock External Coating Inspection	PWR	Plant	-	-	250,000	-	-	-	250,000
	RAPH Battery Bank Online monitoring Equipment Upgrade	PWR	Plant	-	-	120,000	-	-	-	120,000
	RAPH Main Transformer Replacement	PWR	Plant	-	7,500,000	1,000,000	-	-	-	8,500,000

2024 Capital Improvement Plan - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2024	Projected 2025	Projected 2026	Projected 2027	Projected 2028	TOTAL 2024-2028
	RAPH XFMR & Transmission Line Protection Replacement	PWR	Plant	-	-	150,000	150,000	-	-	300,000
	RAPH Plant RTU Replacement	PWR	Plant	-	-	-	100,000	100,000	-	200,000
	RAPH Unit Control Board Upgrade	PWR	Plant	-	-	-	-	150,000	150,000	300,000
	RAPH Station Service Modernization	PWR	Plant	-	-	-	600,000	600,000	150,000	1,350,000
14012P	Ralston Powerhouse Reliability Upgrades	PWR	Plant	186,158	7,900,000	6,770,000	2,600,000	1,600,000	550,000	19,420,000
SUBTOTAL POWER DIVISION UPGRADE AND RENEWAL, REPLACEMENT & RELIABILITY PROJECTS (MAJOR PROJECTS - AUTHORIZED FOR MFP FINANCE AUTHORITY)					28,635,000	30,610,000	8,675,000	18,225,000	11,160,000	97,305,000
	<i>FERC License - Project Infrastructure</i>			<i>6,542,186</i>						
12018P	Duncan Creek Diversion Dam Upgrade & Recreation Trail	PWR	Plant	2,015,241	275,000	100,000	100,000	100,000	-	575,000
20006P	South Fork Long Canyon Diversion Upgrade	PWR	Plant	2,869,487	2,000,000	2,500,000	120,000	120,000	75,000	4,815,000
20005P	North Fork Long Canyon Diversion Upgrade	PWR	Plant	2,593,992	1,000,000	2,500,000	120,000	120,000	75,000	3,815,000
09009A	HH Dam Seasonal Storage	PWR	Plant	-	8,000,000	750,000	150,000	150,000	-	9,050,000
21021P	MFP Power Pole Upgrades	PWR	Plant	210,664	150,000	150,000	150,000	150,000	150,000	750,000
	HH Outlet Works Upgrade	PWR	Plant	-	-	6,000,000	500,000	100,000	-	6,600,000
	MFP Facility Painting - Visual Resource Management Plan	PWR	Plant	-	-	-	200,000	-	-	200,000
15016P	MFP Cooperative Road Management	PWR	Plant	581,000	250,000	250,000	250,000	250,000	250,000	1,250,000
	Ralston Afterbay Sediment Relocation Plan (FERC SMP)	PWR	Environmental	-	100,000	200,000	6,500,000	150,000	150,000	7,100,000
14013P	FERC License - Project Infrastructure	PWR	Plant	14,812,570	11,775,000	12,450,000	8,090,000	1,140,000	700,000	34,155,000
	<i>FERC License - Project Recreation Facilities</i>			<i>2,287,866</i>						
15009P	FM South Shore Water Supply	ENG	Environmental	3,371,260	1,000,000	150,000	150,000	-	-	1,300,000

2024 Capital Improvement Plan - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2024	Projected 2025	Projected 2026	Projected 2027	Projected 2028	TOTAL 2024-2028
14018P	Indian Bar River Access	ENG	Environmental	1,653,823	100,000	-	100,000	-	-	200,000
14019P	FM Campground and Dump Station	ENG	Environmental	7,785,991	500,000	200,000	200,000	-	-	900,000
16012P	Hell Hole Recreation Work Station & Storage Facility for USFS	ENG	Environmental	7,550,266	150,000	250,000	6,000,000	250,000	-	6,650,000
21048P	HH Parking Improvements	ENG	Environmental	378,232	50,000	30,000	-	-	-	80,000
21049P	HH Support Facilities Water Supply	ENG	Environmental	1,661,315	190,000	100,000	-	-	-	290,000
14020P	FM Boat Ramp Extension and Picnic Area	ENG	Environmental	718,347	100,000	1,900,000	-	-	-	2,000,000
23033P	FM North Shore Water Supply	ENG	Environmental	-	50,000	75,000	2,710,000	410,000	-	3,245,000
23034P	McGuire Picnic Area Conversion to Group Campground	ENG	Environmental	-	230,000	120,000	1,965,000	315,000	315,000	2,945,000
23032P	Lewis Campground	ENG	Environmental	-	260,000	120,000	2,480,000	390,000	390,000	3,640,000
20028P	Afterbay Picnic Area	ENG	Environmental	93,004	75,000	400,000	50,000	-	-	525,000
20029P	MF Stream Gage Trail Improvements	ENG	Environmental	11,288	25,000	25,000	-	-	-	50,000
	MFPH Pedestrian Bypass	ENG	Environmental	-	150,000	150,000	-	-	-	300,000
20030P	Abay Sediment Removal Access Point	ENG	Environmental	54,583	588,000	1,000,000	150,000	-	-	1,738,000
	Middle Meadows CG Vertical Well	ENG	Environmental	-	600,000	25,000	-	-	-	625,000
14017P	HH Boat Ramp Extension	ENG	Environmental	409,000	-	120,000	1,310,000	235,000	-	1,665,000
	Ahart CG and Gates Group Campground	ENG	Environmental	-	-	130,000	260,000	130,000	130,000	650,000
	HH and Big Meadows Campground	ENG	Environmental	-	-	70,000	140,000	70,000	1,230,000	1,510,000
	Coyote Group Campground	ENG	Environmental	-	-	-	80,000	160,000	160,000	400,000
22043P	HH Upper Campground	ENG	Environmental	-	-	-	305,000	50,000	-	355,000

2024 Capital Improvement Plan - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2024	Projected 2025	Projected 2026	Projected 2027	Projected 2028	TOTAL 2024-2028
	HH Vista (13 yrs)	ENG	Environmental	-	-	-	-	10,000	10,000	20,000
	McGuire Boat Ramp & Parking Area, Poppy Creek CG	ENG	Environmental	-	-	-	-	200,000	200,000	400,000
	Poppy Campground and Trail (13 yrs)	ENG	Environmental	-	-	-	-	150,000	150,000	300,000
14014P	FERC License - Project Recreation Facilities	ENG	Environmental	25,974,975	4,068,000	4,865,000	15,900,000	2,370,000	2,585,000	29,788,000
SUBTOTAL POWER DIVISION FERC LICENSE PROJECTS (MAJOR PROJECTS - AUTHORIZED FOR MFP FINANCE AUTHORITY)					15,843,000	17,315,000	23,990,000	3,510,000	3,285,000	63,943,000
SUBTOTAL POWER DIVISION PROJECTS [MAJOR PROJECTS - AUTHORIZED FOR MFP FINANCE AUTHORITY]					44,478,000	47,925,000	32,665,000	21,735,000	14,445,000	161,248,000
TOTAL POWER DIVISION PROJECTS					45,110,000	48,625,000	32,665,000	21,735,000	14,445,000	162,580,000
WATER DIVISION PROJECTS										
WATER DIVISION - EXPANSION PROJECTS										
	<i>Treatment Projects</i>									
	Ophir WTP - Phase 1	ENG	Treatment	-	2,000,000	111,100,000	-	-	-	113,100,000
23015W	ARPS and ORPS Standby Power Phase 2	ENG	Treatment	287,373	5,600,000	-	500,000	-	-	6,100,000
	Treatment Projects	ENG	Treatment	Ongoing	7,600,000	111,100,000	500,000	-	-	119,200,000
	<i>Treated Water Transmission & Distribution Projects</i>									
16022W	Placer Parkway Pipeline	ENG	TWT&D	162,405	100,000	4,000,000	6,000,000	1,000,000	-	11,100,000
	Industrial Ave. Pipeline	ENG	TWT&D	-	-	-	-	-	1,377,000	1,377,000
21017W	Barton Rd. Pipeline - Phase 1 (La Vista Dr. to Brace Rd.)	ENG	TWT&D	95,538	-	50,000	4,200,000	-	-	4,250,000
21025W	Duncan Hill Treated Water Improvements Project	ENG	TWT&D	5,760,656	-	500,000	-	-	-	500,000
	Curry Ct Pipeline loop - Shadow Rock Estates	ENG	TWT&D	-	360,000	-	-	-	-	360,000
22041W	FHWTP & Oak Terrace Pump Station	ENG	TWT&D	191,151	1,100,000	-	-	-	-	1,100,000

2024 Capital Improvement Plan - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2024	Projected 2025	Projected 2026	Projected 2027	Projected 2028	TOTAL 2024-2028
	Treated Water Transmission & Distribution Projects	ENG	TWT&D	Ongoing	1,560,000	4,550,000	10,200,000	1,000,000	1,377,000	18,687,000
	<i>Planning Projects</i>									
14056W	RiverArc	ENG	Planning	946,554	200,000	35,000	65,000	65,000	65,000	430,000
	Urban Water Management Plan (Water Resources Plan)	ENG	Planning	-	-	-	60,000	-	-	60,000
	Water System Planning	ENG	Planning	-	-	60,000	-	60,000	-	120,000
	Planning Projects	ENG	Planning	Ongoing	200,000	95,000	125,000	125,000	65,000	610,000
SUBTOTAL WATER DIVISION EXPANSION PROJECTS					9,360,000	115,745,000	10,825,000	1,125,000	1,442,000	138,497,000
WATER DIVISION - RATES PROJECTS										
	<i>Treatment Projects</i>			160,000						
	Alta WTP Dry Chemical Storage	ENG	Treatment	-	50,000	75,000	-	-	-	125,000
	Bowman WTP Upgrades - Phase 3- Flocculator Basin Rebuild	ENG	Treatment	-	50,000	-	-	-	-	50,000
	Bowman WTP Upgrades - Phase 4	ENG	Treatment	-	-	-	-	350,000	1,600,000	1,950,000
18005W	Colfax WTP	ENG	Treatment	32,413,880	250,000	250,000	-	-	-	500,000
	Monte Vista WTP Improvements	ENG	Treatment	-	50,000	300,000	-	-	-	350,000
	Foothill WTP Phasing Study	ENG	Treatment	-	100,000	-	-	-	-	100,000
	Foothill WTP Rehabilitation	ENG	Treatment	-	-	-	2,000,000	3,000,000	4,000,000	9,000,000
	Foothill #1 ACTIFLO Mixer & Scraper Replacement	ENG	Treatment	-	250,000	2,150,000	-	-	-	2,400,000
	Sunset WTP Basin/Flocculator Rehabilitation	ENG	Treatment	-	200,000	1,000,000	-	-	-	1,200,000
	Sunset WTP Communication Tower and Generator Replacement	ENG	Treatment	-	-	-	-	-	30,000	30,000
	Weimar Backup Power	ENG	Treatment	-	300,000	-	-	-	-	300,000
	Water Treatment Plant Maintenance	ENG	Treatment	-	630,000	-	-	-	-	630,000

2024 Capital Improvement Plan - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2024	Projected 2025	Projected 2026	Projected 2027	Projected 2028	TOTAL 2024-2028
	Sunset WTP Chemical Storage Tanks	ENG	Treatment	-	300,000	-	-	-	-	300,000
	Colfax WTP Abandonment and Demolition	ENG	Treatment	-	-	-	-	75,000	-	75,000
18032W	Treatment Projects	ENG	Treatment	32,573,880	2,180,000	3,775,000	2,000,000	3,425,000	5,630,000	17,010,000
	<i>Treated Water Transmission & Distribution Projects</i>			<i>16,852</i>						
22015W	Bowman Pipeline Replacement - Porter Dr to Haines Rd	ENG	TWT&D	147,394	-	250,000	2,000,000	-	-	2,250,000
22018W	Covey Road Pipe Replacement	ENG	TWT&D	18,187	600,000	-	-	-	-	600,000
	Fulweiler Ave to Garfield St. Main Replacement	ENG	TWT&D	-	200,000	1,200,000	-	-	-	1,400,000
	High Street from Elm to East Placer Pipeline Replacement	ENG	TWT&D	-	-	-	250,000	1,800,000	-	2,050,000
	Rocklin Pipeline Replacement Program	ENG	TWT&D	2,324,758	-	320,000	320,000	4,000,000	4,000,000	8,640,000
23002W	Sunset Blvd Pipeline Replacement - Whitney to 3rd	ENG	TWT&D	179,272	-	-	3,200,000	100,000	-	3,300,000
22027W	Old State Highway - Buena Vista to Taylor Road	ENG	TWT&D	37,416	20,000	3,000,000	10,000	-	-	3,030,000
	System Filling Stations	ENG	TWT&D	-	-	-	-	50,000	-	50,000
	Water Meter Replacement Program	CS	TWT&D	-	300,000	520,000	200,000	400,000	200,000	1,620,000
	Weimar PRV Upgrades	ENG	TWT&D	-	200,000	-	-	-	-	200,000
	Weimar System AMI	CS	TWT&D	-	-	200,000	180,000	-	-	380,000
	Tinker Fluoride System Rehab	ENG	TWT&D	-	50,000	200,000	-	-	-	250,000
	TWT&D Maintenance	ENG	TWT&D	-	30,000	-	-	-	-	30,000
21029W	Rocklin Main Replacements - Phase 1	ENG	TWT&D	23,451	3,200,000	-	-	-	-	3,200,000
18033W	Treated Water Transmission & Distribution	ENG	TWT&D	2,747,330	4,600,000	5,690,000	6,160,000	6,350,000	4,200,000	27,000,000
	<i>Treated Water Transmission & Distribution - Other Projects</i>			<i>92,582</i>						
	Non Agency Project Facility Relocation	ENG	TWT&D-O	-	100,000	100,000	100,000	100,000	100,000	500,000

2024 Capital Improvement Plan - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2024	Projected 2025	Projected 2026	Projected 2027	Projected 2028	TOTAL 2024-2028
22002W	Treated Water Transmission & Distribution - Other Projects	ENG	TWT&D-O	92,582	100,000	100,000	100,000	100,000	100,000	500,000
	<i>Raw Water Transmission & Distribution Projects</i>			658,672						
21015W	I-80 RW Crossings Replacement	ENG	RWT&D	97,459	300,000	1,500,000	-	2,250,000	2,250,000	6,300,000
	Auburn Tunnel Pump Station 1,2, & 3 Pumps R&R	ENG	RWT&D	-	300,000	300,000	-	-	-	600,000
	American River Pump Station Pump R&R	ENG	RWT&D	-	-	-	300,000	300,000	-	600,000
	ARPS Intake #6 Repair	ENG	RWT&D	-	-	250,000	500,000	-	-	750,000
22012W	East Side Canal - RCP Slipline	ENG	RWT&D	168,142	-	-	-	-	-	-
	Kilmer Siphon Replacement	ENG	RWT&D	-	150,000	300,000	-	-	-	450,000
	Lower Banvard Pipe (Lozanos Rd.)	ENG	RWT&D	-	-	-	800,000	-	-	800,000
	Middle Fiddler Railroad Flume Repair	ENG	RWT&D	-	-	15,000	50,000	-	-	65,000
18023W	Ben Franklin Canal Repair Stn 9 to 20	ENG	RWT&D	731,909	165,000	-	-	-	-	165,000
	Moore Canal Fish Screen	ENG	RWT&D	-	300,000	400,000	-	-	-	700,000
	Lakeshore Flume Replacement	ENG	RWT&D	-	150,000	50,000	200,000	-	-	400,000
	Rock Creek Pump Station	ENG	RWT&D	-	-	-	-	-	300,000	300,000
	RWT&D Maintenance	ENG	RWT&D	-	200,000	-	-	-	-	200,000
	Turner Pump Station	FIELD	RWT&D	-	-	100,000	-	-	-	100,000
18034W	Raw Water Transmission & Distribution Projects	ENG	RWT&D	1,656,182	1,565,000	2,915,000	1,850,000	2,550,000	2,550,000	11,430,000
	<i>Treated Water Storage Projects</i>									
21044W	Alta Redwood Tank Replacement	ENG	TW Storage	39,283	-	200,000	1,500,000	-	-	1,700,000
23014W	Applegate Tank Rehabilitation	ENG	TW Storage	64,925	200,000	-	-	-	-	200,000
	Midas Tank Recoating	ENG	TW Storage	-	-	600,000	-	-	-	600,000

2024 Capital Improvement Plan - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2024	Projected 2025	Projected 2026	Projected 2027	Projected 2028	TOTAL 2024-2028
	Tank Recoating	ENG	TW Storage	-	-	600,000	1,000,000	1,000,000	-	2,600,000
	TW Storage Maintenance	ENG	TW Storage	-	140,000	-	-	-	-	140,000
21012W	Monte Vista Tank Replacement	ENG	TW Storage	836,846	1,400,000	-	-	-	-	1,400,000
17008W	Colfax Ballpark Tank Slope Stabilization	ENG	TW Storage	232,989	-	200,000	-	-	-	200,000
18035W	Treated Water Storage Projects	ENG	TW Storage	1,174,043	1,740,000	1,600,000	2,500,000	1,000,000	-	6,840,000
	<i>Raw Water Storage Projects</i>									
17011W	Lake Alta Dam Modifications	ENG	RW Storage	1,401,576	-	-	2,400,000	200,000	-	2,600,000
18036W	Raw Water Storage Projects	ENG	RW Storage	1,401,576	-	-	2,400,000	200,000	-	2,600,000
	<i>Groundwater Projects</i>									
	Bianchi Well Demo	ENG	Groundwater	-	25,000	-	-	-	-	25,000
18037W	Groundwater Projects	ENG	Groundwater		25,000	-	-	-	-	25,000
	<i>Field Services Projects</i>									
19001W	Field Services RWCIP	FIELD	Various	195,328	900,000	550,000	550,000	550,000	550,000	3,100,000
	Field Guniting CIP	FIELD	Various	-	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	7,000,000
19003W	Field Services TWCIP	FIELD	Various	281,061	500,000	500,000	500,000	500,000	500,000	2,500,000
	Field Services Raw Water Efficiency	FIELD	Various	-	400,000	1,000,000	1,000,000	1,000,000	1,000,000	4,400,000
	Field Services Projects	FIELD	Various	Ongoing	3,200,000	3,450,000	3,450,000	3,450,000	3,450,000	17,000,000
	<i>Instrumentation, Control, and SCADA Projects</i>			<i>150,000</i>						
23013W	SCADA - Ophir Road Pump Station - Programable Logic Controller Replacement	IT	I, C, & SCADA	150,000	300,000	300,000	-	-	-	600,000
	Foothill WTP SCADA PLC Phase 2	IT	I, C, & SCADA	-	300,000	-	-	-	-	300,000
	Foothill WTP SCADA PLC Phase 3	IT	I, C, & SCADA	-	-	300,000	-	-	-	300,000
	WTP & PS PLC Upgrades	IT	I, C, & SCADA	-	-	-	150,000	150,000	-	300,000

2024 Capital Improvement Plan - Five Year Plan

Project No.	Project Description	Project Lead	Project Type	Project-to-Date Available Balance	Adopted 2024	Projected 2025	Projected 2026	Projected 2027	Projected 2028	TOTAL 2024-2028
	Foothill-Sunset-Auburn Microwave Replacement	IT	I, C, & SCADA	-	-	320,000	-	-	-	320,000
22016W	Instrumentation, Control, and SCADA Projects	IT	I, C, & SCADA	300,000	600,000	920,000	150,000	150,000	-	1,820,000
	<i>Planning Projects</i>									
	Water System Renewal and Replacement Planning	ENG	Planning	-	20,000	40,000	40,000	40,000	20,000	160,000
	Urban Water Management Plan	ENG	Planning	-	-	-	60,000	-	-	60,000
	Planning Projects	ENG	Planning	Ongoing	20,000	40,000	100,000	40,000	20,000	220,000
	<i>Other Projects</i>									
22035A	Safety Program	ENG	Miscellaneous	88,855	9,000	-	-	-	-	9,000
22029W	Water System Security Improvements - Phase 2	ENG	Miscellaneous	774,972	448,600	-	-	-	-	448,600
	LMS Asphalt and Approach Grading and Rehab	ENG	Miscellaneous	-	30,000	-	-	-	-	30,000
	Fuel System Upgrade (Dispensers)	FIELD	Miscellaneous	-	75,000	-	-	-	-	75,000
	Facility Maintenance (Water Division)	FIELD	Miscellaneous	-	50,000	50,000	50,000	50,000	50,000	250,000
	Meter Test Shop	CS	Miscellaneous	-	22,000	-	-	-	-	22,000
	Water System Security Improvements - Future	ENG	Miscellaneous	-	-	-	100,000	-	100,000	200,000
	Other Projects	ENG	Miscellaneous	Ongoing	634,600	50,000	150,000	50,000	150,000	1,034,600
SUBTOTAL WATER DIVISION - RATES PROJECTS					14,664,600	18,540,000	18,860,000	17,315,000	16,100,000	85,479,600
TOTAL WATER DIVISION PROJECTS					24,024,600	134,285,000	29,685,000	18,440,000	17,542,000	223,976,600
TOTAL CIP BUDGET					79,034,600	185,341,000	62,650,000	40,375,000	32,152,000	399,552,600

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Capital Improvement Plan - 2024 Project Descriptions



Placer County Water Agency 2024

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.

Drum Spaulding Water Supply Protection

This project focuses on the protection of the Agency's water supply that originates in the Yuba River Watershed and includes technical, political, and/or legal engagement to protect the senior water rights and water supply interests of the Agency and the needs of its customers. Although not limited to these, the three priority interest areas are the relicensing of hydroelectric projects in the Yuba River Watershed, the divestiture of PG&E generation assets, and climate change impacts to water supply reliability.

RiverArc

This project is a large collaborative project aimed at enhancing regional water supply and bolstering wildlife resilience. The project will help maintain the current streamflow on the Lower American River, a designated Wild & Scenic River, by strategically shifting water supply diversions to the much larger Sacramento River. This project is led by PCWA in partnership with the City of Sacramento, Sacramento County Water Agency, and the California American Water Company. The 2024 budget for this project includes costs associated with project planning, identifying and pursuing state and federal funding opportunities, coordination with partner agencies, and developing project governance options.

IT Business Network Core Switch Updates

The purpose of this project is to replace the core network switches that provide high speed/volume networking for computer, phones, and security networks. The existing switches are reaching end of life status. The new switches will have manufacturers' support, provide higher throughput and improved cybersecurity features.

IT Office Remodel

The remodel project will provide functional office space for the Operational Technology Supervisor to maximize lab and desk space.

IT/Energy Marketing Roof Repair

The purpose of this project is to repair and/or rehabilitate the existing roof as it is reaching the end of its useful life.

Ferguson Road Campus Solar Project

The project consists of the installation of solar panels on carport support structures and ground mounted support structures that would be installed within the parking lots throughout the Ferguson campus. The project will produce just over one million kilowatt hours (kWh) annually to offset the Agency's energy costs.

Shady Glen Community Water System Consolidation

This project includes installation of 1,700 LF of 18-inch pipe to consolidate the Shady Glen Community Water System, which serves 121 residential connections. This project is anticipated to be fully funded by the State Water Resources Control Board and be reimbursed through project progress claims. The 2024 budget includes costs associated with design, environmental, construction, water connection charges, and project management activities.

Sierra Meadows Consolidation

This project includes installation of a 2-inch master meter and service to consolidate a public water system, which serves 28 residential units in the Sierra Meadows Apartment complex. This project is anticipated to be fully funded by the State Water Resources Control Board and be reimbursed through project progress claims. The 2024 budget includes upfront costs associated with design, environmental, meter and service installation, and project management activities.

Facility Improvement Projects

This includes various projects to repair or replace items at existing Agency office locations.

HVAC Improvements – Includes maintenance and minor improvements to the existing HVAC systems at the Ferguson office.

Carpet Maintenance – Replace damaged/worn carpet downstairs in the Ferguson office.

Painting Maintenance – Coating restoration to various areas inside/outside of the Ferguson office.

Heritage Center Rehab – The project consists of various repairs needed to address existing deficiencies at the Heritage Center located at the Ophir Road pump station. Repairs will include roofing, decking, infestation repairs inside/outside, plumbing, and other miscellaneous items.

FFC Tenant Improvements – This project will modify existing workspaces and install new office workspaces to accommodate the restructuring of Power Generation and Information Technologies staff. The modification will also provide temporary workspace for visiting managers and staff.

COUNTY-WIDE MASTER PLAN PROJECTS

Financial Assistance Program

Financial Assistance Program (FAP) to provide financial assistance, in the form of loans or grants, to eligible districts to improve the supply and reliability of water within the Agency's jurisdiction.

POWER DIVISION PROJECTS

Minor Projects:

MFP Security Improvements

This project will update the Middle Fork Project security to a standard platform shared across the Agency.

Communication Equipment DC Power Conversion

This project will convert the existing communication equipment power source from Alternating Current (AC) to Direct Current (DC) which will improve communication reliability in the event of a loss of utility-based AC power.

Safety Program – This project includes the planning and implementation of an Agency-wide safety program. Separate department safety programs and documentation will be assessed and consolidated under a new Agency-wide program designed for efficiency, best practices, and regulatory compliance. Deliverables will include program plans, hazard and risk analysis, and written safety programs. 2024 plans for this project will focus on finalizing the written safety programs and safety program implementation across the Agency.

Jib Crane Replacement

Jib cranes at the powerhouses are used to remove access covers and equipment from the interior of the powerhouses during maintenance evolutions. These jib cranes are original to powerhouse construction and have reached the end of their operational life and require replacement.

MFP Turbine Vibration Monitoring System

This project will install vibration monitoring hardware and will interface this new hardware with the existing SCADA system. Once complete, this project will permit the real time monitoring of turbine and generator vibration.

Major Projects:

Middle Fork Project Forest Management

Middle Fork Project Forest Management Project will expand the forest thinning activities begun as part of the French Meadows Project throughout the watershed in an effort to reduce the threat of extreme wildfires and the associated impacts to MFP infrastructure, water quality, recreation, and the environment.

French Meadows Forest Management

The French Meadows Project aims to accelerate ecologically-based forest and watershed restoration on approx. 28,000 acres of Tahoe National Forest and private lands around the French Meadows Reservoir through a shared stewardship approach involving collaborative management, diverse fundraising, innovative project implementation, and watershed research.

Backup Generator Upgrades

This project will examine backup diesel generator needs at the powerhouses. Powerhouses that do not currently have backup diesel generator power will be evaluated for installation of new diesel generators. Powerhouses that currently have diesel generators will be evaluated for replacement of the existing diesel generator.

Sediment Removal

Ralston Afterbay Sediment Removal (Mosquito Fire) – This project will remove fine sediment deposited immediately upstream and in close proximity to the Ralston Afterbay Dam and the Oxbow Powerhouse Tunnel inlet as a result of the Mosquito Fire and the winter storms of the 2022/2023 season.

French Meadows Powerhouse Reliability Upgrades

French Meadows Penstock Interior Inspection and Recoating – This project will inspect and remove the existing coal tar penstock lining, prepare surface for recoating, and install a new penstock lining. Construction is currently scheduled for May 2025.

French Meadows Powerhouse Thrust Bearing Lift Pump Replacement – The thrust bearing lift pump is used to raise the turbine and generator assembly to ensure proper lubrication of the thrust bearing during unit start up. This pump is at the end of its operational life and requires replacement.

French Meadows Generator and GSU Protection Upgrade – This project is for the upgrade of the existing electromechanical protective relays on the generator and generator step-up (GSU) transformer with microprocessor-based relays.

French Meadows Powerhouse Transmission Line Protection Upgrade – This project will replace the original construction electro-mechanical transmission protection relay devices with solid state, microprocessor-based devices.

French Meadows Powerhouse Battery Bank Online Monitoring Upgrade and Rack Replacement – This project will install online, real-time monitoring of the station

service batteries and will replace and upgrade the station service battery rack to meet seismic restraint requirements.

French Meadows Turbine PRV Replacement – This project is for the modification or replacement of the turbine Pressure Relief Valve (PRV) to a combination PRV and turbine bypass valve. Currently when the turbine-generator, main transformer, or 60 kV circuit breaker is out of service, there is no way to pass water from French Meadows Reservoir to Hell Hole Reservoir. The PRV is not designed for continuous water bypass around the turbine. This turbine PRV modification or replacement will allow continuous water bypass around the turbine.

French Meadows Powerhouse Main Transformer Replacement – This project will replace the existing generator step up (GSU) transformer with a new unit which has reached the end of its operational life and requires refurbishment. The existing unit will then be refurbished and will serve as a spare GSU for both French Meadows and Oxbow Powerhouses.

Hell Hole Powerhouse Reliability Upgrades

Hell Hole Excitation Improvements – This project will replace the existing solid state excitation system which is original to the Hell Hole unit when installed in 1982.

Hell Hole 12kV Transmission Line Replacement – This project will replace the Agency-owned 12kV transmission line which connects Hell Hole Powerhouse with French Meadows Powerhouse. This transmission line has reached the end of its operational life and does not meet current avian protection measures as required by the new FERC license.

Hell Hole Stream Maintenance Valve Upgrade – This project will replace and upgrade the existing Howell Bunger (HB) valve for stream maintenance flows below Hell Hole Dam. The HB valve is original MFP construction and does not permit full flows necessary for compliance with the new FERC license without damaging the Hell Hole Powerhouse or the surrounding rock channel from valve spray. The valve will also be automated to permit remote adjustments to flows.

Middle Fork Powerhouse Reliability Upgrades

Middle Fork Penstock Internal Lining Inspection – This project will inspect and eventually, remove the existing coal tar penstock lining, prepare surface for recoating, and install a new penstock lining similar to the project for French Meadows Penstock.

Middle Fork Powerhouse Main Transformer and Bus Protection Replacement – This project will replace the original electro-mechanical main transformer and bus protection relay devices with solid state, microprocessor-based devices.

Middle Fork Powerhouse Main Transformer Replacement – This project will replace the three existing single-phase existing generator step up (GSU) transformers with new units. Two of the three are the original construction with one of the three replaced in the 1980's. All three have reached the end of their operational lives and

require replacement. The transformer that was replaced in the 1980's will be kept as a future spare.

Middle Fork Powerhouse Online Partial Discharge Monitoring Upgrade – This project will install equipment that monitors partial discharge activity of the generator's insulation. It will be used to monitor the health of the insulation which is the largest contributing factor in determining when a generator rewind is required, thus reducing the risk of an unscheduled shutdown of the unit due to an unexpected failure of the insulation.

Middle Fork Powerhouse Battery Bank Online Monitoring Upgrade & Rack Replacement – This project will install online, real-time monitoring of the station service batteries and will replace and upgrade the station service battery rack to meet seismic restraint requirements.

Interbay Dam Radial Gate Hoist Improvement – This project will assess the operational life and safety of the existing radial gate hoists, including chains, motors, gear assemblies, etc. at Interbay Dam.

Oxbow Powerhouse Reliability Upgrades

Oxbow Powerhouse Bus and Transmission Lining Protection Replacement – This project will replace the original construction electro-mechanical transmission protection relay devices with solid state, microprocessor-based devices.

Oxbow Powerhouse Plant RTU Replacement – This project will replace the legacy Remote Telemetry Unit (RTU) with a modern, current technology RTU which is required so that the SCADA system can monitor and control the powerhouse remotely.

Abay Dam Radial Gate Structural Retrofit – This project includes structural retrofit of the steel radial gates on the spillway at Ralston Afterbay Dam. These retrofits are required to meet current seismic design standards as required by FERC and DSOD's dam safety regulations.

Abay Dam Radial Gate Hoist Improvement – This project will assess the operational life and safety of existing radial gate hoists, including chains, motors, gear assemblies, etc. at Ralston Afterbay Dam.

Abay Dam Lift Joint "Body" Drains – This project will install internal lift joint drains, or "body drains", similar to the installations completed at other concrete gravity dams around the country and following the lessons learned from the Wanapum Dam incident. This recommendation stemmed from the completion of a recent Ralston Afterbay Dam stability analysis.

AfterBay LLO Gate Modifications – This project will investigate, and potentially install, improvements to the low-level outlet (LLO) of Ralston Afterbay Dam. The LLO is frequently impacted by sediment which makes operation challenging. This project will

determine if alternatives to the existing configuration exist to permit operation even when the LLO is impacted by sediment.

Ralston Powerhouse Reliability Upgrades

Ralston Penstock Internal Lining Inspection – This project will inspect and eventually, remove the existing coal tar penstock lining, prepare surface for recoating, and install a new penstock lining similar to the project for French Meadows Penstock.

Ralston Powerhouse Online Partial Discharge Monitoring Upgrade – This project will install equipment that monitors partial discharge activity of the generator’s insulation. It will be used to monitor the health of the insulation which is the largest contributing factor in determining when a generator rewind is required, thus reducing the risk of an unscheduled shutdown of the unit due to an unexpected failure of the insulation.

Ralston Powerhouse Main Transformer Replacement - This project will replace the existing generator step up (GSU) transformer with a new unit which has reached the end of its operational life and requires refurbishment. Once refurbished it will serve as a spare GSU.

FERC License Implementation - Project Infrastructure

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

Duncan Creek Diversion Dam Upgrade and Trail – This project will modify and reconstruct the diversion structure at Duncan Creek Diversion Dam. The new structure will include: bedload and suspended sediment transport past the diversion dam during high-flow events; capability to operate the facility with a new schedule of minimum instream flows based on the time of year and the water year type; capability to pass downstream spring pulse flows during wet and above-normal water years; and downstream fish passage.

South Fork Long Canyon Diversion Upgrade – This project will modify and/or construct a new diversion structure at South Fork Long Canyon, including sediment passage capabilities, screen diversion flows, and fish transport.

North Fork Long Canyon Diversion Upgrade, Stream Gage and Trail – This project will modify and/or construct a new diversion structure at North Fork Long Canyon, including sediment passage capabilities, screen diversion flows, and fish transport.

Hell Hole Dam Seasonal Storage – This project would install operable spillway gates at the uncontrolled granite spillway of the dam, and allow the storage of an additional 6,000 acre-feet of water. The additional capacity would provide several potential benefits: capturing spill water for generation; allowing more generation to be shifted

from spring to the summer and fall when demands are higher; and, increasing the head pressure and therefore turbine output at Middle Fork Powerhouse.

Middle Fork Project Power Pole Upgrades – This project provides for annual inspections, and a maintenance, repair, replacement program for overhead utility poles. Included in this scope are avian safety upgrades.

Middle Fork Project Cooperative Road Management – This project is to establish an agreement and procedures to create and annually fund a road maintenance account for repair and maintenance of joint use Agency and US Forest Service roads.

Ralston Afterbay Sediment Relocation Plan – This project will remove, classify, and relocate sediment that meets specific size requirements from above Afterbay Dam to locations immediately downstream of Afterbay Dam in compliance with the MFP Sediment Management Plan (SMP).

FERC License Implementation – Project Recreation Facilities

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

French Meadows South Shore Water Supply – This project will replace the existing horizontal groundwater well with a new groundwater well suitable for supplying the French Meadows campground, picnic area and boat ramp. The water system will be a new vertical well, storage tank, building, generator, and piping to the three sites.

Indian Bar River Access – This project will reconstruct the existing boat ramp facility at Indian Bar to include a whitewater raft staging area, supplemental raft slide, and additional restrooms.

French Meadows Campground and RV Dump Station – The purpose of this project is to update the French Meadows RV dump station and to redesign and reconstruct select elements of the French Meadows campground. Upgrades include reconstructing interior roads and campground spurs to accommodate larger vehicles, replace multiple vault toilets, replace message boards, signs, camp site amenities and the on-site water system.

Hell Hole Recreation Work Station and Storage Facility for USFS – This project will design and construct a work station that will support Forest Service recreation management needs in the Hell Hole area. This project also will design and construct an RV campground that will support 12-15 parking spurs and associated utilities that will provide seasonal accommodations for Agency staff and contractors working in the MFP.

Hell Hole Parking Improvements – This project will rehabilitate the existing parking area associated with the Hell Hole Boat ramp, provide potable water, and replace the existing chain link fence with black plastisol fencing.

Hell Hole Support Facilities Water Supply – This project will construct a new well and support infrastructure in the vicinity of the Hell Hole Cottages to provide potable water to the area.

French Meadows Boat Ramp Extension and Picnic Area – This project will reduce the overall size of the picnic area and improve site accessibility, parking, signage, and facilities (picnic tables, faucets, etc.). The boat ramp extension will extend the existing boat ramp approximately 365 feet to provide for additional boat launching opportunities.

French Meadows North Shore Water Supply – This project will bring the existing access road to Forest Service standards and will replace all existing water distribution infrastructure (pipe, drains, valves, etc.).

McGuire Picnic Area Conversion to Group Campground – This project will convert the existing picnic area and beach to a group campground that consists of one 25 person and one 50 person campsites. This project will also rehabilitate the access road and parking area.

Lewis Campground – This project will redesign and reconstruct select elements of the Lewis Campground. Upgrades include reconstructing interior roads and campground spurs to accommodate larger vehicles, replace multiple vault toilets, replace message boards, signs, camp site amenities and the on-site water distribution system.

Afterbay Picnic Area This project will reduce the overall size of the picnic area and improve site accessibility, parking, and signage.

Middle Fork Stream Gage Trail Improvements – This project will improve the trail to the stream gage and bring it to minimum Forest Service standards.

Middle Fork Powerhouse Pedestrian Bypass – This project will create a pedestrian bypass around the Middle Fork Powerhouse to permit the public to access the Middle Fork American River upstream of the Powerhouse.

Abay Sediment Removal Access Point – This project will reconfigure the existing access ramp and improve the parking area and signage.

Middle Meadows Campground Vertical Well – This project will install a new vertical well and water supply for the Middle Meadows Group Campground in the Eldorado National Forest.

WATER DIVISION PROJECTS

Water Connection Charge Expansion 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.

Ophir WTP Phase 1 – The Ophir Water Treatment Plant project will construct a new treatment facility in three phases up to a total capacity of 30 million gallons per day (MGD). Rated capacity of the first phase of the WTP is 10 MGD. The initial improvements will allow for future expansion of the plant. The 2024 budget is to support design efforts.

ARPS and ORPS Standby Power Phase 2 – This project includes design, procurement, and installation of two 2.5-megawatt diesel powered generators at the American River Pump Station (ARPS) and Ophir Road Pump Station (ORPS). This is the second set of standby generators to be installed, which will double the pumping capacity for both ARPS and ORPS during power interruptions. This project is anticipated to be funded partially by the Federal Emergency Management Agency’s Hazard Mitigation Grant program and reimbursable by project progress claims. The 2024 budget includes the total cost of design, procurement, and installation.

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.

Placer Parkway Pipelines – This project extends water infrastructure in the future planned community located on Placer Parkway from Highway 65 west to Foothills Boulevard to West Placer. This project would be constructed simultaneously with the County as they are building the road. The 2024 budget includes the total cost of design, bid and award, with start of construction anticipated in 2025.

Curry Court Pipeline Loop – Shadow Rock Estates – This project includes construction of approximately 600-feet of 8-inch pipe to provide a loop to Shadow Rock Estates subdivision to improve fluctuations in pressure resulting from increased demands in the area.

Foothill WTP and Oak Terrace Pump Station – This project will convert a portion of Foothill WTP Pump Station into a pressure reducing station to allow for water from the future Ophir WTP to be conveyed to the Foothill Pressure Zone to serve future

demand. The project will also increase the pressure in the Oak Terrace area of Newcastle by installing a booster pump station.

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.

RiverArc – This project is a large collaborative project aimed at enhancing regional water supply and bolstering wildlife resilience. The project will help maintain the current streamflow on the Lower American River, a designated Wild & Scenic River, by strategically shifting water supply diversions to the much larger Sacramento River. This project is led by PCWA in partnership with the City of Sacramento, Sacramento County Water Agency, and the California American Water Company. The 2024 budget for this project includes PCWA’s share of costs associated with coordinating design and pump upgrades at Natomas Mutual Water Company’s Pritchard Lake Diversion, which will be used by the project to divert Sacramento River flows.

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.

Alta WTP Dry Chemical Storage – This project will modify the existing dry chemical room to provide more space to store and process soda ash.

Bowman WTP Upgrades Phase 3 – Flocculator Basin Rebuild – This phase of the project includes construction of two major upgrades to the Bowman WTP. The first is to replace existing horizontal flocculators with vertical flocculators, and the second is to remove the existing raw water piping and slide gate and replace with new upsized intake piping, slide gate, automated fine screen, and intake screen channel.

Colfax WTP – The existing WTP is approaching the end of its operational life and Agency staff are targeting having a new plant constructed within the next 3 years. This new 2 MGD plant will include additional capacity to accommodate future consolidation of smaller water purveyors in the region.

Monte Vista WTP Improvements – This project will include replacing the roof on the main building and the replacement of the raw water supply Inlet piping.

Foothill WTP Phasing Study – With aging treatment equipment that is approaching the end of its operational life, this project includes conducting a condition assessment

and phasing study to plan for improvement/replacement projects at the Foothill WTP into the future.

Foothill #1 ACTIFLO Mixer and Scraper Replacement – The process equipment at the Foothill Water Treatment Plant #1 is in need of replacement. This project will replace the coagulation, injection, and maturation mixers, sediment scraper and microsand separation equipment. Minor electrical, instrumentation, and controls improvements will be included as needed to support the new equipment.

Sunset WTP Basin/Flocculator Rehabilitation – This project will repair cracks and leaks in the flocculator basin and replace the flocculator equipment.

Weimar Backup Power – This project will provide backup power for the Weimar Water Treatment Plant.

Water Treatment Plant Maintenance – This project includes the replacement of chemical pumps, column pipes for raw water intake pumps at Auburn WTP, debris hoppers for Foothill WTP, chlorine analyzers, upgrades to various turbidimeters, and purchase of a new jar test machine.

Sunset WTP Chemical Storage Tanks – This project will replace two 4,000-gallon chemical storage tanks originally installed in 2002.

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.

Covey Road Pipe Replacement – Replace 620-feet of 12-inch techite main, from the AC main transitions to the end of the water main due to pipe material type, reliability, and potentially rightsizing master meters. Includes replacement of 11 services and 3 master meters.

Fulweiler Avenue to Garfield Street Main Replacement – Replace 1,240 feet of 8-inch wrapped steel from the intersection of Fulweiler Avenue and Sterling Avenue crossing Highway 49, and continuing to Garfield Street due to leak history, water quality, and access issues.

Old State Highway – Buena Vista to Taylor Road – This project will replace 1,800 feet with 8-inch main, replace 3 wharf hydrants with standard hydrants, and replace 20 service lines and new meters. This project will also be in partnership with SPMUD who will be replacing 1,310 feet of existing sewer main and four sewer laterals.

Water Meter Replacement Program – This project will continue to install Advanced Metering Infrastructure (AMI) capable equipment to replace existing meters.

Weimar PRV Upgrades – This project will modify the existing Pressure Reducing Valves (PRVs) within Weimar's water system to be above ground and SCADA controlled per the Agency's standard.

Tinker Fluoride System Rehab – This project will evaluate and replace the fluoride equipment that has reached the end of its operational life.

TWT&D Maintenance – Replacement of program logic controllers at five pressure regulating stations.

Rocklin Main Replacements – Phase 1 – Replace 1,940 feet of 16-inch with 12-inch main. Includes replacement of 15 meters and service lines. Includes asphalt overlay of the entire road width with reimbursement from the City of Rocklin.

Treated Water Transmission & Distribution - Other Projects

Treated Water Transmission & Distribution Projects include Agency facility relocation resulting from non-Agency projects such as street repairs and repaving, road realignments, intersection conversions into roundabouts, and storm drainage repairs where the Agency facilities do not possess prior property rights. This budget is used “as needed” and cannot be used for any other project.

Non-Agency Project Facility Relocation – Budget allocation for use to relocate Agency facilities for non-Agency projects.

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.

I-80 RW Crossings Replacement – Long term project to assess and replace the 26 raw water crossings along Interstate 80 from Roseville to Alta. Initial project will be replacement of 3-5 of the most critical crossings which are part of the Boardman Canal.

Auburn Tunnel Pump Station 1, 2 & 3 Pumps R&R – This project will diagnose and/or complete repairs on one pump located within the Auburn Tunnel Pump Station.

Kilmer Siphon Replacement – Project includes lining 620 feet of the existing siphon located in backyards on the Boardman Canal located on the south side of Highway 174 in Colfax.

Ben Franklin Canal Repair Stn 9 to 20 – Project includes construction of 881 feet of new 12-inch piped canal in a new alignment, replacing the existing aging piped canal that crosses beneath private infrastructure. The project also includes sliplining 668 feet of existing piped canal with cured-in-place pipe.

Moore Canal Fish Screen – Project includes installing a fish screen at the diversion from Auburn Ravine in the South Sutter area.

Lakeshore Flume Replacement – Project includes re-routing a portion of the Lower Greeley Canal that currently runs through the backyards of several houses. The

project is needed to reduce liabilities associated with the proximity of the existing flume to nearby homes.

RWT&D Maintenance – Project includes the replacement of a flowmeter and Ophir Pump Station #2 discharge pipe and new motor control panels and soft-starts at Ophir Pump Station #1.

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.

Applegate Tank Replacement – This project will install a liner in the existing 100,000 gallon steel bolted tank to extend its useful life.

TW Storage Maintenance – This project includes replacement of anodes, rectifies, and electrodes and other general maintenance items for corrosion protection of several treated water storage tanks.

Monte Vista Tank Replacement – The project includes installation of a new steel storage tank, abandonment of the existing redwood tank, and replacement of the existing raw water pump within the Monte Vista Treatment Plant. The project also includes installation of a new power feed, distribution meter, sample lines, and fiber optic cable between the treatment plant and the tank site.

Groundwater

Groundwater projects include repair, modification, installation of new infrastructure, repair of existing infrastructure, or abandonment and decommissioning of existing infrastructure related to groundwater. The infrastructure includes, but is not limited to wells, well pumps, storage tanks, and pressure and surge control systems.

Bianchi Well Demo – This project will demolish, abandon, and properly decommission two wells on the Bianchi Estates property in Roseville. The Project will also demolish and remove existing surface improvements including above ground structures and the utilities.

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.

Raw Water Maintenance Projects

Liz Taylor Flume to Pipe – Replacing the wooden/tin flume with pipe, part of the Red Ravine Canal in Loomis.

Spaulding Flume to Pipe – Replacing the wooden/tin flume with pipe, part of the Boardman Canal in Auburn.

Cherry Tree Flume Tin – Replacing aging tin with new coated tin, part of the Boardman Canal in Colfax.

Miller Flume Tin – Replacing aging tin with new coated tin, part of the Boardman Canal in Auburn.

Bishop Flume Tin – Replacing aging tin with new coated tin, part of the Boardman Canal in Auburn.

Hayford Flume Tin – Replacing aging tin with new coated tin, part of the Boardman Canal in Colfax.

Tailrace Flume Steel Understructure Design – Steel understructure sought as option to help strengthen the flume and protect against damage during heavy winter storms and snow thrown from passing trains.

Boardman Erosion Control Project (Cook Spill) – Backfill and shape a section of the canal on the Boardman below Cook Spill with backer rock, and line it with gunite to stop erosion and reduce sediment build-up.

Gunite – Prepping canal and shooting gunite for approximately 2-3 miles of canal at various locations for the purpose of lining currently unlined, eroded and/or leaking canals or stopping leaks in lined canals.

Treated Water Maintenance Projects

Stratten Way, Auburn – Replace 480 feet of 6-inch with 8-inch main from Aeolia Drive due to reliability, leak history, and to eliminate existing backyard mains.

Alley between Front Street and 2nd Street, Rocklin – Replace 480 feet of 4-inch main with 6-inch from the alley way between Front Street and 2nd Street, from Rocklin Road to B Steet, due to reliability, water quality, and leak history.

Alley between San Francisco Street and High Street, Rocklin – Replace 360 feet of 6-inch steel main with 8-inch in alley way between San Fransisco Street and High Street, from Rocklin Road to Oak Street, due to reliability, water quality, and leak history.

Raw Water Efficiency

Antelope Stub Canal to Pipe – Replacing about 1,300 feet of canal with pipe to potentially save up to water 190 AF/year.

RW SCADA Additions – Adding RTU's to 13 Rubicon Gate sites and 2 Reservoir sites (Lake Theodore and Lake Arthur) to automate more of the RW canal system with

SCADA control. Adding SCADA ability to these sites will allow for automation of more RW sites/canals, reducing water waste and windshield time.

Instrumentation, Control, and SCADA Projects

Projects include replacement, modification, or installation of new SCADA related hardware and software required to support the drinking water operations.

SCADA - Ophir Road Pump - Programmable Logic Controller Replacement – This project will replace the existing Pico Programable Logic Controllers (PLCs) on the Auburn Tunnel Pumps and the Foothill Raw Water Pumps located at the Ophir Road Pump Station. The Pico PLCs have reached the end of their operational life, are obsolete, and are no longer supported by the manufacturer.

Foothill WTP SCADA PLC Phase 2 – This project is a continuation of the modernization of the Foothill WTP SCADA system. Phase 2 will replace the PLC chassis and upgrade the communications to the remote I/O PLC's, ensuring that all SCADA components are supported by the manufacturer with spares and replacements available.

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.

Water System Renewal and Replacement Planning – This project will support planning in identifying long-term renewal and replacement projects for future budgeting purposes as well as immediate field support.

Other Projects

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

Safety Program – This project includes the planning and implementation of an Agency-wide safety program. Separate department safety programs and documentation will be assessed and consolidated under a new Agency-wide program designed for efficiency, best practices, and regulatory compliance. Deliverables will include program plans, hazard and risk analysis, and written safety programs. 2024 plans for this project will focus on finalizing the written safety programs and safety program implementation across the Agency.

Water System Security Improvements – Phase 2 – Upgrading the electronic access control system and video monitoring system at the Foothill Water Treatment Plant

and Bowman Water Treatment Plant to match the systems and performance of the first phase of security improvements.

LMS Asphalt and Approach Grading and Rehab – This project includes regrading the entrance to the Lincoln Metering Station so that drainage flows away from the building.

Fuel System Upgrade (Dispensers) – The project includes replacing the fuel dispensers at the Ferguson and Maidu office locations necessary to work with the recent upgrades.

Facility Maintenance (Water Division) – Includes general building maintenance and improvements to various water supply and distribution buildings.

Meter Test Shop – Relocate and expand meter testing facilities currently at Maidu yard to the downstairs of the Sierra Center. Install new tanks, pumps, valving, and associated appurtenances to accommodate the Meter Testing program.

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Supplemental Information

WATER FACTS

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

ABBREVIATIONS

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

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

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





PLACER COUNTY WATER AGENCY
SINCE 1957

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

OVERVIEW OF THE PLACER COUNTY WATER AGENCY

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

Agency Wide

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

Power System

The Agency’s Power System was established with the construction of the Middle Fork American River Hydroelectric Project (MFP) that began in 1963 and was completed in 1967. The Agency owns and operates five interconnected hydroelectric power plants, two large storage reservoirs (French Meadows and Hell Hole), two small regulating reservoirs and twenty-four miles of tunnels. With approximately 347,000 acre-feet of gross water storage capacity and 232.4 megawatts of reliable generating capacity, the MFP produces an average 860,000 megawatt hours of hydroelectric power each year that is sold directly to the 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 MFP 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 41,000 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 170 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 9 water treatment plants, 28 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 16, 2023

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	4			4
• Legal Office	0.67	0.67	0.66	2
• Strategic Affairs Resource Management	2			2
Administrative Services	7			7
Energy Marketing		4		4
Finance	14	1		15
Customer Services	2		28	30
Field			61	61
Information Technologies	13	2	3	18
Technical Services				
• Drinking Water Operations			32	32
• Engineering	1	1	25	27
Power System*		35		35
REGULAR POSITIONS TOTAL	43.7	43.7	149.6	237

*3 FTE’s are authorized but not budgeted

Prepared by:



Placer County Water Agency

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