

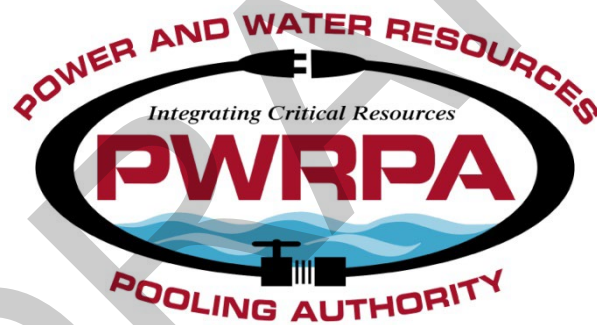
**Final Monthly and Annual Reconciliation**  
**For Contract Year 2023**

Prepared For:

**Power and Water Resources Pooling Authority**

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Dated:

August 2024

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**1.0 EXECUTIVE SUMMARY**

This report summarizes and transmits the 2023 cost of service reconciliation for the Power and Water Resource Pooling Authority (Authority).

The total Authority service cost for 2023 is \$39,807,071. The Authority invoice the Participant’s on monthly power invoices to cover those costs in addition to special project funding such as P3 and Reserve balances. The monthly power invoices prepared for PWRPA Participants are calculated from pre-set rates for the purpose of revenue collection to PWRPA and do not account for the allocation of actual hourly vendor charges that are sometimes received several months after the fact. This reconciliation is the true-up of Participant’s costs to the actual vendor invoices.

The Treasurer final statement determines final distribution or collection of funds after validation against the ledger and factoring in the interest earnings on 2023 Participant balances, reserves, P3 balances, direct consulting invoices, closed-year invoices, District invoice payments, and any other adjustments.

The Authority composite rate for 2023 calendar year is 13.71 ¢/kWh. The maximum Participant rate is 28.87 ¢/kWh for James Irrigation District (historically low usage over which to spread fixed costs) and the minimum Participant rate is 10.33 ¢/kWh for Banta Carbona Irrigation District (lower delivery costs).

2023 precipitation started slow but turned rather wet following the driest three years on record (2020-2022), therefore costs were significantly down from last year. The 2023 water year ended up 141 percent of the statewide average precipitation and 237 percent of average snowpack on April 1<sup>st</sup> in the Sierras.

The summary of 2023’s Cost of Service compared to 2022 Actual and the 2023 Budget is in Table 1 below.

**Table 1: Summary of Cost of Service**

Category	2022 Actual	2023 Budget	2023 Actual	Change over 2022	Change over Budget
Energy, MWh	474,778	489,446	290,313	-38.9%	-40.7%
Overhead	\$ 2,115,889	\$ 2,230,415	\$ 2,088,462	-1.3%	-6.4%
Delivery	\$ 35,427,962	\$ 43,028,177	\$ 22,849,400	-35.5%	-46.9%
Power	\$ 39,433,646	\$ 36,880,593	\$ 14,869,208	-62.3%	-59.7%
Total	\$ 76,977,497	\$ 82,139,185	\$ 39,807,071	-48.3%	-51.5%
Cents per kWh	16.21	16.78	13.71	-15.4%	-18.3%

Total costs decreased 48 percent while load was down 39 percent from the prior year. The Authority load decreased 41 percent under the budget and that paired with high Base Resource

supply and relatively-stable market prices resulted in a 60 percent decrease in power costs. The cost of service rate decreased from 16.78 c/kWh in the budget to an actual rate of 13.71 c/kWh.

The Authority secured 305,263 MWh of resources for a distribution loss corrected (DLF) metered demand of 299,091 MWh. The difference between DLF Metered demand and PWRPA supplied resource is made whole by the California Independent System Operator (CAISO). The summary of resources and their changes from 2022 actual and the 2023 budget are summarized in Table 2 below.

**Table 2: Summary of Energy use and Resources**

PWRPA	2022 Actual	2023 Budget	2023 Actual	Change from 2022	Change from Budget
DLF Load	497,104	489,446	299,091	-40%	-39%
Resource Portfolio	207,188	295,876	305,263	47%	3%
Base Resource	56,086	107,134	157,476	181%	47%
WWD BOR	5,001	3,904	5,125	2%	31%
Warm Springs	0	0	0	0%	0%
Solar	123,682	137,950	114,122	-8%	-17%
Lodi Energy Center	22,419	46,889	28,540	27%	-39%
Market	0	193,570	0	0%	-100%

For 2023, only considering power delivered (no REC accounting), 91 percent of PWRPA’s load was served by carbon-free resources. The detail of the portfolio is detailed below in Table 3:

**Table 3: Power Portfolio Content**

Power Supply:	2022	2023
Load, MWh	497,104	299,091
BR	12%	54%
Solar	12%	38%
LEC	5%	10%
Market	0%	0%
Total Supply	29%	102%

A general summary of resource performances:

- Base Resource (“BR”) energy increased 181 percent from 2022 and was 47 percent higher than the 2023 budget. The annual BR rate is \$26.36 per MWh. BR covered 53 percent of the load whereas it covered 11 percent in 2022.
- The Displacement Program ran from April to October 2023. PWRPA displaced 17 percent of its allocation for \$233,832 in settlement credits.
- Solar generators Astoria, Whitney Point and Slate performed as designed under their respective contract terms. Astoria had an annual capacity factor of 31 percent, Whitney Point 28 percent, and Slate 25 percent. Solar served 38 percent of the annual load.
- Lodi Energy Center energy was up 27 percent from 2022 (unit was out 3 months in 2022 for the scheduled major maintenance). The unit served 10 percent of the annual load.
- Market resources include fixed contracts and day-ahead transactions with third-party vendors, none of which were made during 2023 due to the very high prices (carryover from 2022 pricing).
- The total cost for all load and resources totaled \$14,869,208, for an average rate of \$48.71 per MWh, a 63 percent decrease from 2022’s rate of \$132.31 per MWh. This is inclusive of all resource costs and attributes; Lodi debt service, resource adequacy costs, carbon costs, etc. The weighted average rate for load cost in 2023 was \$55.76 per MWh.

2023 is the third year of Compliance Period (CP) 4, a four-year CP for California’s Renewable Portfolio Standard. PWRPA facilitated an internal REC transfer from participants with excess RECs to ones that are short. PWRPA also procured half of the estimated net short position RECs with plans to procure the final amount in early 2024.

PWRPA continued participation in California Energy Commissions’ (CEC) Demand Side Grid Support (DSGS) program (the CEC pays participants to cut their load when the CAISO grid is in a state of emergency). There were no calls for curtailment in 2023, but the CEC does cover PWRPA’s administrative costs to administer the program.

Appended to this report are detailed results and support documents. The Appendices include one annual reconciliation summary and 12 monthly sets – all for calendar year 2023 (Appendix A), Vendor Charges summarized by cost category and by Vendor (Appendix B), ASA Exhibit E Cost Allocation Principals (Appendix C), Summary of Participant allocation shares (Appendix D), a summary of closed year invoice and miscellaneous adjustments (Appendix E), a summary of Resource Adequacy, Renewable Energy Credit, and Carbon transfer cost allocation (Appendix F), a summary of resource allocation and pooling (Appendix G), a valuation of generation resource projects (Appendix H), and a summary of Displacement activity (Appendix I).

## **2.0 RECONCILIATION CALCULATIONS**

### **2.1 OVERVIEW**

In this reconciliation, we refer to the “Cash Flow Reconciliation” as “CFR”, and the “Base Resource” as “BR” from this point forward. CFR consists of the allocation of specific monthly costs to each PWRPA Participant. There are eleven cost categories:

- Joint Power Authority Management (JPA)
- Metering
- Aggregate Service Agreement (ASA) Utility Management and Operations
- Distribution
- Transmission
- CAISO’s Grid Management
- Load Costs
- Specific Projects – Participant
- Base Resource
- Specific Projects
- Supplemental Power

In addition, the CFR displays the monthly-metered energy for each Participant, as well as the transactions between Participants for energy pooling. Base Resource is the only resource pooled in 2023.

The CFR tables show first the high-level summaries of each cost category, with the remaining tables providing additional detail. The detailed tables start with load costs followed by the energy resources and are ordered in sequence of their loading order to serve load. The Annual Summary page is the sum of the monthly pages plus any annual invoices. These details can be found in Appendix A.

### **2.2 MONTHLY METERED ENERGY**

PWRPA classifies Participants’ meters as either energy meters or interval (demand) meters. Interval – or demand – meters provide an hourly reading that PWRPA reads every day by cellular telemetry. PWRPA receives Energy meters’ data once a month with no detail on hourly power level; the monthly reading is distributed hourly according to the estimated hourly load for the load class monitored. PWRPA only has about 5 out of over 600 meters that are energy meters.

Energy meters are secondary voltage level meters; interval meters can serve either a transmission, primary, or secondary voltage level. PWRPA acquires hourly meter data and stores it in the software database for each meter and each hour. For the purpose of reconciliation, each meter reading is corrected for distribution loss factors (DLF). Hourly DLF’s are acquired

automatically from PG&E and the correction applied to each meter according to its service voltage.

The CFR report shows both the DLF and non-DLF metered energy. The monthly metered energy displayed on the Operation Reconciliation Summary table is DLF adjusted as that is what energy resources are procured to cover. The monthly metered energy in the Summary of Costs as a Rate per Metered Energy table is non-DLF corrected energy. The CFR energy is the summation of all the hourly meter readings for all meters of a given Participant for the calendar month. The energy meter data follows the actual read dates and is spread/profiled hourly in proportion to the estimated hourly load used for scheduling.

### **2.3 JOINT POWER AUTHORITY (JPA) MANAGEMENT**

This category includes items that would exist just to form as a JPA, no electricity service items – that is the Aggregated Service Agreement (ASA). The Budget Ad-hoc Committee reviewed the JPA contract and lined out functions accordingly.

Functions include:

- General Management: Board Meetings, Overhead budget, Strategic Policy, Planning/Vendor Coordination
- General Counsel: Conflicts of Interests, JPA/ASA/CSA agreements, Board Meetings, Strategic Counsel
- Treasurer: 20% of actual time
- Audits/Office Supplies: 20% of actual time and materials

The JPA cost to each Participant is allocated on a per capita basis. There are fourteen Districts in PWRPA, therefore these costs are split 1/14<sup>th</sup>.

### **2.4 METERING COST ALLOCATION**

Metering costs include:

- RBI's task item of Metering
- Trimark and Associates Meter Data Management Agent (MDMA) costs
- Percentage of Energy Accounting System (EAS) software

The metering cost is allocated in proportion to a Participant's total number of active meters in the month. It is important to note that not all meters are active. The Authority software tracks all meters entered in the database, as well as their activation and deactivation dates. There are several reasons for a meter to be deactivated:

- Participant removed a metered load from PWRPA
- A meter was disconnected
- A meter was replaced, whether for repairs or upgrades reasons



- PWRPA replaced a PG&E meter
- A participant added or removed a meter

“Active meter” means a meter that is active during part or all of the reconciliation month. The number of active meters changes from month to month.

## **2.5 AGGREGATED SERVICE AGREEMENT (ASA) COST ALLOCATION**

ASA costs are split into three categories but summed together in the reconciliation report for simplicity. The split by category is available in the Vendor Charges Appendix organized by Cost Category (Appendix C). The three categories, their functions, and cost allocation are:

### **ASA: Utility Management**

This category includes items that we need to manage the electric utility. Functions include:

- Utility Management: Treasurer (80% of actual time), Power Budget, Planning/Staff Coordination, Cost Reconciliation, Insurance, etc.
- Utility Counsel: Compliance, Legislative/Regulatory, FERC
- 2022 included Special Project funding for PG&E’s Wholesale Distribution Tariff (WDT) case
- Cost allocation is by Voting Share (bicameral calculation of 50 percent per capita and 50 percent by five-year average energy)

### **ASA: Utility Operations – Fixed**

Items in this category are for the long-term and steady in nature. They include items that are carried out for the Authority and the level of service is based on current operating protocols and risk tolerance. Functions include:

- Scheduling Coordinator required for CAISO grid scheduling
- Energy Accounting System (EAS)
- Regulatory Reporting
- Power Invoices and Operations Reports
- Cost allocation is by Voting Share (bicameral calculation of 50 percent per capita and 50 percent by five-year average energy)

### **ASA: Utility Operations – Variable**

Items in this category are operational activities that are variable in nature. Levels of effort can change with the status and size of loads. If Districts load changes, efforts here would change as well. Functions include:

- Daily Portfolio Management
- Monthly Portfolio Planning
- Authority licensed software by MCG

- Cost allocation is based on energy

## **2.6 DISTRIBUTION COST ALLOCATION**

Distribution costs consist of the PG&E Wholesale Distribution Tariff (WDT) and related administrative costs. Distribution costs are allocated to the Participants as a direct pass-through on a per meter basis. 2021 started a new rate case called WDT3 which fundamentally changed how Distribution costs are determined by going to an annual formula rate instead of a stated rate. The formula rate each year also includes an annual true-up component for two years prior. The formula rate is applied monthly to each meter's peak 30-minute reading. The rates are defined by which distribution agreement the particular meter falls under. There are currently two applicable distributions agreements with PG&E:

- SA17: WAPA WDT Exhibit C - Most meters fall under this Settlement Agreement, as it is the original agreement with PG&E when PWRPA began operation.
- SA56: PWRPA WDT is the agreement with PG&E in which new Participants and new load for existing Participants qualify for service.

PWRPA also has a negotiated a rate relief option called Primary Plus. Under this agreement, certain Secondary voltage accounts pay the lower Primary rate plus a flat monthly fee. That rate option took effect in August of 2014.

## **2.7 TRANSMISSION COST ALLOCATION**

Transmission costs entail High and Low Voltage Transmission Access Charges (TAC) and report on a per-participant basis.

Participants' loads are served by High-Voltage (HV) or by Low-Voltage (LV) service, as determined by the distribution substation's high-side voltage. All the substations serving PWRPA loads and their service voltage levels are in the Energy Accounting System (EAS) database such that EAS can associate each meter with a voltage service.

- All metered loads which distribution line is served by an HV substation pay an HV TAC
- All metered loads which distribution line is served by an LV substation pay both an HV and an LV TAC
- CAISO assesses TAC charges on its monthly invoices
  - HV TAC charge is CAISO charge code 382
  - LV TAC charge is CAISO charge code 383

TAC rates can change mid-month and retroactively; therefore, the cost allocation for each charge code takes the total charge and splits it according to the applicable metered energy by Participant.

## 2.8 CAISO GRID MANAGEMENT

CAISO Costs are separated into two sub-categories:

- Special Cost Allocation
- Miscellaneous Costs

### SPECIAL COST ALLOCATION

There are two items considered Special Charges:

- CAISO Operating Reserves
  - Charge codes 6294, 6296, 6194, 6196
  - Allocated to Participants by metered load minus firm imports (Base Resource)
- Integrated Forward Market Bid Cost Recovery (IFM uplift)
  - Charge code 6636
  - Allocated to Participants by metered load minus firm imports (Base Resource) and generation

### MISCELLANEOUS COSTS

Miscellaneous costs include:

- Board of Equalization (BOE) energy surcharge costs
- National Energy Reliability Council (NERC) fee
- Western Electricity Coordinating Council (WECC) fee
- CAISO Grid Management (GMC)
  - charge codes 4512, 4515, 4516, 4560, 4561, 4562, 4575
- CAISO FERC fee
  - charge codes 550
- All other remaining charge codes on CAISO invoice not allocated in Special Charges
- Reversal of charge code 6799 for collateral collection

The costs are allocated in proportion to each Participant's metered energy:

The CAISO invoices are rerun multiple times for each service month, this reconciliation includes T+11m versions for January through March, T+70b versions for April through November, and T+9b for December. The rest of the T+70b and T+11m are received after the invoice cutoff date established with the auditors. Any invoices received after the cutoff date or are older (T+18M, T+35m, and T+36m) are considered 'closed year' invoices and are settled outside of the reconciliation in the Treasurer's year-end summary sheet. Any unscheduled invoices from the CAISO are also in this category.

## 2.9 LOAD COSTS

The CAISO cost to serve load is the net of the day-ahead transactions to meet PWRPA's scheduled load and the real-time imbalance to serve loss adjusted metered demand.

The scheduling coordinator submits a day-ahead load forecast to the CAISO and a summary of resources. All costs for the day-ahead schedule and the real-time imbalance are summed to a total load cost each hour. Those costs are then allocated pro rata on energy. Charges for load include energy, congestion, and loss costs. The CAISO charge codes that have load related charges are:

- 6011 Day-ahead Energy, Congestion, Loss Settlement
- 6700 Congestion Revenue Rights Daily Settlement
- 6947 Allocation of Integrated Forward Market Marginal Losses Surplus Credit
- 6475 Uninstructed Imbalance Energy Settlement
- 6774 Real Time Congestion Offset

PWRPA participated in the 2023 Demand Side Grid Support (DSGS) Program administered by the California Energy Commission (CEC) which provided financial incentives to reduce customer load during extreme events. When those events are triggered, there is specific load cost allocation to ensure that Districts that participate get allocated all costs or revenues associated with their participation. There were no events called for 2023.

## 2.10 SPECIFIC PROJECTS - PARTICIPANT

Starting in November 2010, PWRPA converted Warm Spring Hydropower (WSH) to a Specific Project, and in 2016 started Westlands Water District Bureau of Reclamation payback (WWD BOR). The energy from the projects is applied entirely to the project owner load before the allocation of Base Resource. In 2022 Warm Springs did not operate due to repairs, however they do maintain an ongoing overhead cost for Scheduling Coordination as they are not avoidable costs.

All revenue and expenses are allocated to the project owners. Those expenses include:

- Energy costs
- CAISO charge codes
  - 6011 Day-ahead energy, congestion loss
  - 6460 15 Minute Market Instructed Imbalance Energy Settlement
  - 6470 Real-time Instructed Imbalance Energy Settlement
  - 6475 Real-time Uninstructed Imbalance Energy Settlement
- PWRPA staff overhead associated with scheduling, settlements, and reporting

WSH energy is allocated to SCWA under a buy-back agreement with PWRPA:

- WSH generation is scheduled to the CAISO under the PWRPA scheduling coordinator ID, therefore the credit from the energy produced goes to PWRPA.
- SCWA bills PWRPA each month at an agreed-upon rate, times the WSH energy output.
- In the reconciliation, PWRPA charges back SCWA for the WSH energy billed, but SCWA load is offset by the WSH generation, resulting in a lesser initial net short position for SCWA.

WWD BOR energy is allocated to WWD and there is no cost for this energy.

The tracking of project energy allocation is used to calculate the initial net short or long of each Participant prior to pooling and allocating Base Resource energy. There is no pooling of these resources.

## **2.11 BASE RESOURCE COST ALLOCATION**

All revenue and expenses are allocated to the project owners. Those expenses include:

- Western Area Power Administration (WAPA) Base Resource
- Central Valley Project (CVP) restoration
- Miscellaneous monthly adjustments from WAPA
- Western Renewable Energy Generation Information System (WREGIS) fees
- CVP Displacement Program
- CAISO charge codes
  - 6011 Day-ahead energy, congestion loss
  - 6301 Day-ahead Inter Scheduling Coordinator Trades Settlement
  - 6460 15 Minute Market Instructed Imbalance Energy Settlement
  - 6470 Real-time Instructed Imbalance Energy Settlement
- PWRPA staff overhead

The total actual Base Resource energy supplied by WAPA after exchange is divided into the total actual cost on an annual basis to determine a single annual rate: the rate is applied to the Base Resource allocated to the Participants each day. This approach avoids wide seasonal swings of Base Resource rates. All revenue from the CAISO is allocated to the Participants on Project shares.

After the allocation of Participant Specific Projects and Base Resource costs and energy, pooling of BR occurs on a daily basis.

The pool consists of the smaller quantity between the aggregation of all sequential net shorts and the aggregation of all sequential net longs. In order for pooling to occur on a given day, there must be simultaneously Participants that are long and Participants that are short. Long Participants are contributors, short Participants are takers. Contributors pool their net long energy in proportion to their relative net long (relative to other net long Participants). Takers receive

energy from the pool in proportion to their relative net short position (relative to other net short Participants).

On the revenue and expense side of pooling, we use transfer rates to transfer the cost of the energy and the corresponding CAISO revenue. Transactions in the market are done hourly. Because pooling is done daily, we calculate daily weighted rates for these calculations.

The transfer rates are:

- Contract Cost uses a split-the-savings calculation:
  - Annual BR rate plus half the difference between the annual BR rate and the market index price.
  - Sets a floor at the annual BR rate, meaning that if the split-the-savings rate is lower than the annual BR rate on a given day, pooling transaction will use the annual BR rate.
- CAISO Revenue uses a split-the-revenue calculation:
  - BR revenue rate plus half the difference between the BR revenue rate and the market index price.
    - BR revenue rate is the CAISO revenue from importing and displacing BR energy divided by the total BR energy imported and displaced for the day.
  - The transfer rate for the revenue sets a floor of the weighted market revenue rate.
- Market Revenue rate is a daily weighted rate at the NP15 Trading Hub.

PWPRA used 157,476 MWh of Base Resource for an average cost of \$26.86/MWh and bringing in an average revenue rate of \$56.30 from the CAISO.

The CVP Corporation's Displacement Program aims to reduce and avoid costs associated with importing and exporting energy to and from the CAISO balancing area. PWRPA started participation in the program in February 2010 and its costs or credits are included in the Base Resource category. PWRPA allocates the invoiced dollars based on net use of Base Resource energy each month. The program ran open April through October, shutting down for Winter when BR energy generation is typically low. A monthly detailed summary of Displacement activity is included in Appendix I.

## **2.12 SPECIFIC PROJECT - GENERATION**

Generation projects and all associated costs include:

- Lodi Energy Center fixed and variable costs including gas purchases, Green House Gas allowance costs and debt service repayment
- Astoria solar
- Whitney Point solar
- Slate Solar and Battery

- CAISO energy revenue (transferred from generation owner)
- PWRPA staff overheads

The generation category consists of renewable and non-renewable, or conventional, generation projects. Renewable and conventional generation cost, revenues, and energy are allocated according to project specific entitlement percentages.

Renewable generation is the first allocation in the Generation category. This includes Astoria solar, Whitney Point solar, and Slate solar. Astoria and Whitney Point are scheduled and settled by the generation owner and therefore considered a financial transaction for PWRPA. All contract costs and associated revenues are transferred to PWRPA via the project invoices. In other words, these are not scheduled to PWRPA's load via the CAISO.

- Astoria generated 27,215 MWh for an average cost of \$65/MWh and brought in an average \$30/MWh of revenue from the CAISO.
- Whitney Point generated 27,495 MWh for an average cost of \$64/MWh and received an average of \$28/MWh in revenue from the CAISO.

The Slate Solar and Battery Energy Storage Project started producing energy in December 2021 and is scheduled by PWRPA's scheduling agent, ACES power marketing. Slate reached its Commercial Operations Date (COD) on March 10, 2022. PWRPA is one of multiple off-takers from the Slate Project and has a contract for 26 MW of Photovoltaic (PV) capacity and 10MW (40 MWh/day) of capacity from the Battery Energy Storage System (BESS). The BESS can run for four hours per day, and charges from PV during the lower-priced midday hours. In its second year, Slate produced over 57,000 MWhs and an additional 2,470 MWh due to the BESS (generating when a stand-alone solar facility would otherwise be curtailed due to negative pricing). Slate's net solar and battery rate was \$26.86/MWh and brought in on average \$56.30/MWh in revenue from the CAISO. It has taken over a year to work with the Slate team to reach agreement on how deemed delivered energy among other contractual nuances are calculated per the Power Purchase Agreement. Therefore, there is \$151,000 of back charges for 2022 included in the Participant Adjustments (Appendix E).

The Lodi Energy Center (LEC) is the resource in the Conventional generation category. The LEC generation is not scheduled to PWRPA's load to simplify all daily operations and settlements. All associated revenue and expenses are transferred to PWRPA via the monthly invoices.

All generation resources performed well in 2023 in terms of the revenue for the energy delivered to the CAISO grid. The renewable generation project revenue rates do not account for the avoided cost of the Renewable Energy Credit (REC) they provide for PWRPA's State Renewable Portfolio Standard requirements. The average cost for RECs in 2023 was \$45/REC. The full value of each resource (actual revenue and avoided costs) is in Appendix H.

## 2.13 SUPPLEMENTAL POWER COST ALLOCATION

Supplemental power or market costs include:

- Fixed-rate forward purchase supplemental energy vendors contracts
- Day-Ahead supplemental energy from vendors
- Contract for Difference adjustments
- Capacity Contracts
- Renewable Energy Credits (RECs)
- Carbon attribute transfers
- CAISO energy revenue or related settlements

The following terminology is used to categorize supplemental energy:

- Fixed purchase: a power purchase at a fixed rate across all on- and/or off-peak hours of the month or partial month.
- Day-Ahead purchase and sale: a power purchase or sale in discrete amounts at any hour of the upcoming day on the Day-Ahead Market.
- Contracts for Differences: financial transactions without physical energy, based on Locational or market price differences. Contract for Differences are typically used as a financial settlement for failed energy trades.

Supplemental energy is allocated in the following order:

- Fixed purchase contracts cost and energy are allocated according to a month-specific and contract-specific percent-entitlement matrix.
- Fixed sale contracts cost and energy are allocated according to a month-specific and contract-specific percent-entitlement matrix.
- Day-Ahead Purchase costs and energy are allocated according to the Participants' sequential net short each month.
- Day-Ahead Sales credits and energy are allocated according to the Participants' sequential net long each month.

Resource Adequacy (RA) contracts are independent of supplemental power. PWPRAs purchases its net short position determined by the CAISO after consideration of resources that have RA attributes (BR, LEC, Astoria, and Slate). The RA contract costs are allocated based on a matrix derived by month of each District's pro rata share of PWRPA's peak or local demand short position. PWRPA did not procure any 3<sup>rd</sup> party contracts in 2023 due to the above market prices for additional supply. Instead money was put in contingency for any cost allocation exercised by the CAISO. There was one exceptional dispatch in August, PWRPA's share was \$36,900 and was allocated on the 2024 net short RA shares for Local RA.

Any Renewable Portfolio Standard costs are also included in the Supplemental category. PWRPA has Renewable Energy Credit (REC) value from existing generation resources; Astoria,



Whitney Point, Slate, and other District specific projects. To fill the balance requirements, PWRPA procures short-term REC contracts. PWRPA made two REC arrangements for Portfolio Content Category (PCC) RECs in 2023. First it facilitated a transfer of PCC1 RECs from long districts to short districts. The transfer price is \$36.50 per REC (average of PCC1 and PCC2 rate at the time of negotiation (August 2023)). The volume is approximately 10,000 (will finalize in 2024 when all retail sales are final). Additionally, PWRPA procured half of its net short position for PCC3 RECs with a plan to procure the rest in 2024.

Finally, also included as an annual adjustment to the Supplemental Category for the carbon attribute transfer. This is facilitated within PWRPA between Participants. Participants who wish to buy the carbon-free attribute of Base Resource energy take it on a pro-rata share from Participants who are willing to sell. The transfer price was adopted by PWRPA's Board of Directors in August 2023 at \$6 per MWh.

Details of all RA, REC, and Carbon cost allocation is detailed in Appendix F.

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**APPENDIX A**

**ANNUAL AND MONTHLY RECONCILIATION DOCUMENTS**

**Power Water Resources Pooling Authority**  
January - December 2023

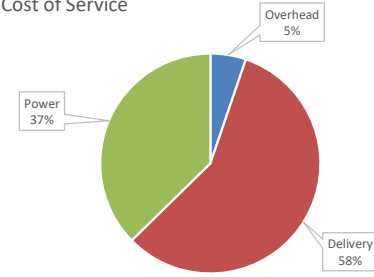
**Power and Operations Cost Summary: January - December 2023**

Participant	DLF Adjusted Energy (kWh)	Overhead			Delivery			Power				Total Costs	
		JPA Mgmt	Metering	ASA Utility Mgmt & Operations	Distribution	Transmission	Grid Mgmt	Load Cost	District-Specific Projects	Base Resource (w/ DP & Pooling)	Special Project Generation		Supplemental
Arvin-Edison	124,003,278	\$ 7,704	\$ 66,361	\$ 277,365	\$ 3,284,623	\$ 4,317,215	\$ 272,508	\$ 6,482,740	\$ -	\$ (1,637,373)	\$ 964,784	\$ (4,724)	\$ 14,031,203
Banta-Carbona	14,043,272	\$ 7,704	\$ 1,021	\$ 73,667	\$ -	\$ 489,369	\$ 36,883	\$ 787,029	\$ -	\$ (197,279)	\$ 150,117	\$ 101,594	\$ 1,450,105
Byron-Bethany	2,889,029	\$ 7,704	\$ 1,021	\$ 43,508	\$ 101,689	\$ 100,590	\$ 6,675	\$ 140,783	\$ -	\$ (84,654)	\$ 45,675	\$ 5,598	\$ 368,588
Cawelo	20,129,892	\$ 7,704	\$ 5,105	\$ 66,381	\$ 641,919	\$ 702,417	\$ 49,306	\$ 975,723	\$ -	\$ (167,683)	\$ 197,321	\$ (6,776)	\$ 2,471,417
Glenn-Colusa	11,697,763	\$ 7,704	\$ 13,272	\$ 59,821	\$ 190,426	\$ 402,209	\$ 6,628	\$ 575,939	\$ -	\$ (170,948)	\$ 107,842	\$ 41,590	\$ 1,234,485
James	900,588	\$ 7,704	\$ 2,042	\$ 44,086	\$ 84,351	\$ 31,422	\$ (307)	\$ 54,415	\$ -	\$ (25,370)	\$ 55,677	\$ 1,186	\$ 255,205
Lower Tule	10,488,921	\$ 7,704	\$ 1,021	\$ 57,035	\$ 408,657	\$ 365,890	\$ 20,619	\$ 531,229	\$ -	\$ (87,364)	\$ -	\$ (1,078)	\$ 1,303,714
Princeton	4,531,349	\$ 7,704	\$ 1,021	\$ 44,714	\$ 170,222	\$ 65,515	\$ (175)	\$ 213,941	\$ -	\$ (45,176)	\$ 60,932	\$ 6,763	\$ 525,463
RD108	2,464,572	\$ 7,704	\$ 3,063	\$ 45,043	\$ 147,334	\$ 85,663	\$ 4,026	\$ 136,101	\$ -	\$ (36,723)	\$ 51,929	\$ 5,591	\$ 449,731
Santa Clara	21,760,513	\$ 7,704	\$ 9,189	\$ 86,424	\$ 1,075,551	\$ 469,609	\$ 44,103	\$ 1,302,605	\$ -	\$ (163,074)	\$ 186,103	\$ 196,441	\$ 3,214,656
Sonoma	34,222,368	\$ 7,704	\$ 20,419	\$ 116,632	\$ 649,197	\$ 1,187,822	\$ 65,643	\$ 1,993,240	\$ 13,171	\$ (271,647)	\$ 353,525	\$ (291,641)	\$ 3,844,065
West Stan	11,135,156	\$ 7,704	\$ 1,021	\$ 67,869	\$ 436,052	\$ 160,882	\$ 26,323	\$ 561,816	\$ -	\$ (240,045)	\$ 83,098	\$ 52,396	\$ 1,157,117
Westlands	35,501,650	\$ 7,704	\$ 526,443	\$ 289,337	\$ 4,663,868	\$ 1,235,354	\$ 100,688	\$ 2,113,527	\$ (243,196)	\$ (1,477,367)	\$ 986,175	\$ 139,720	\$ 8,342,253
Zone 7	5,323,119	\$ 7,704	\$ 5,105	\$ 52,615	\$ 628,344	\$ 108,225	\$ 12,064	\$ 318,076	\$ -	\$ (31,275)	\$ 33,695	\$ 24,515	\$ 1,159,067
<b>TOTAL</b>	<b>299,091,470</b>	<b>\$ 107,861</b>	<b>\$ 656,103</b>	<b>\$ 1,324,498</b>	<b>\$ 12,482,234</b>	<b>\$ 9,722,182</b>	<b>\$ 644,984</b>	<b>\$ 16,187,163</b>	<b>\$ (230,025)</b>	<b>\$ (4,635,976)</b>	<b>\$ 3,276,872</b>	<b>\$ 271,175</b>	<b>\$ 39,807,071</b>
Percent of total cost		0.27%	1.65%	3.33%	31.36%	24.42%	1.62%	40.66%	-0.58%	-11.65%	8.23%	0.68%	100.00%

**Summary of Costs as a Rate per Metered Energy (Cents per kWh)**

Participant	Metered Energy (kWh)	Cents per kWh							Composite Rate
		Overhead	Distribution	Transmission	Grid Mgmt	Load	Power Resources		
Arvin-Edison	120,896,655	\$ 0.29	\$ 2.72	\$ 3.57	\$ 0.23	\$ 5.36	\$ (0.56)	\$ 11.61	
Banta-Carbona	14,043,272	\$ 0.59	\$ -	\$ 3.48	\$ 0.26	\$ 5.60	\$ 0.39	\$ 10.33	
Byron-Bethany	2,834,234	\$ 1.84	\$ 3.59	\$ 3.55	\$ 0.24	\$ 4.97	\$ (1.18)	\$ 13.00	
Cawelo	18,889,969	\$ 0.42	\$ 3.40	\$ 3.72	\$ 0.26	\$ 5.17	\$ 0.12	\$ 13.08	
Glenn-Colusa	11,578,618	\$ 0.70	\$ 1.64	\$ 3.47	\$ 0.06	\$ 4.97	\$ (0.19)	\$ 10.66	
James	884,083	\$ 6.09	\$ 9.54	\$ 3.55	\$ (0.03)	\$ 6.15	\$ 3.56	\$ 28.87	
Lower Tule	9,809,970	\$ 0.67	\$ 4.17	\$ 3.73	\$ 0.21	\$ 5.42	\$ (0.90)	\$ 13.29	
Princeton	4,446,932	\$ 1.20	\$ 3.83	\$ 1.47	\$ (0.00)	\$ 4.81	\$ 0.51	\$ 11.82	
RD108	2,360,513	\$ 2.36	\$ 6.24	\$ 3.63	\$ 0.17	\$ 5.77	\$ 0.88	\$ 19.05	
Santa Clara	21,293,343	\$ 0.49	\$ 5.05	\$ 2.21	\$ 0.21	\$ 6.12	\$ 1.03	\$ 15.10	
Sonoma	33,793,023	\$ 0.43	\$ 1.92	\$ 3.51	\$ 0.19	\$ 5.90	\$ (0.58)	\$ 11.38	
West Stan	10,919,050	\$ 0.70	\$ 3.99	\$ 1.47	\$ 0.24	\$ 5.15	\$ (0.96)	\$ 10.60	
Westlands	33,337,317	\$ 2.47	\$ 13.99	\$ 3.71	\$ 0.30	\$ 6.34	\$ (1.78)	\$ 25.02	
Zone 7	5,225,975	\$ 1.25	\$ 12.02	\$ 2.07	\$ 0.23	\$ 6.09	\$ 0.52	\$ 22.18	
<b>PWRPA</b>	<b>290,312,954</b>	<b>\$ 0.72</b>	<b>\$ 4.30</b>	<b>\$ 3.35</b>	<b>\$ 0.22</b>	<b>\$ 5.58</b>	<b>\$ (0.45)</b>	<b>\$ 13.71</b>	
Reference Index	24	25						26	

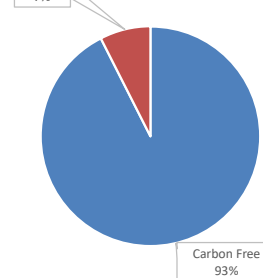
Cost of Service



**Summary of Energy Portfolio**

Participant	DLF Adjusted Energy (kWh)	Hydro	Solar	Lodi	Secured Supplemental	Total Resources	Net Short/(Long)	Carbon Free Load
Arvin-Edison	124,003,278	67,643,534	39,141,610	6,752,331	-	113,537,474	10,465,803	86%
Banta-Carbona	14,043,272	7,722,066	4,874,251	2,539,405	-	15,135,722	(1,092,449)	90%
Byron-Bethany	2,889,029	2,617,104	694,071	1,196,839	-	4,508,015	(1,618,986)	115%
Cawelo	20,129,892	9,973,366	11,188,256	2,137,215	-	23,298,837	(3,168,945)	105%
Glenn-Colusa	11,697,763	7,178,581	3,254,756	1,433,010	-	11,866,347	(168,584)	89%
James	900,588	504,078	1,016,790	1,133,109	-	2,653,977	(1,753,388)	169%
Lower Tule	10,488,921	4,822,964	-	-	-	4,822,964	5,665,957	46%
Princeton	4,531,349	2,537,480	1,104,423	1,196,383	-	4,838,285	(306,936)	80%
RD108	2,464,572	1,310,075	1,343,752	635,650	-	3,289,477	(824,906)	108%
Santa Clara	21,760,513	8,497,332	6,374,265	1,826,439	-	16,698,036	5,062,477	68%
Sonoma	34,222,368	13,635,406	12,039,738	-	-	25,675,144	8,547,224	75%
West Stan	11,135,156	8,108,558	4,627,143	1,428,273	-	14,163,974	(3,028,818)	114%
Westlands	35,501,650	26,218,458	26,459,217	8,261,686	-	60,939,362	(25,437,712)	148%
Zone 7	5,323,119	1,831,997	2,003,644	-	-	3,835,641	1,487,478	72%
<b>PWRPA</b>	<b>299,091,470</b>	<b>162,601,000</b>	<b>114,121,916</b>	<b>28,540,340</b>	<b>-</b>	<b>305,263,256</b>	<b>(6,171,786)</b>	<b>93%</b>
Percent of DLF Adjusted Energy:		54%	38%	10%	0%	102%		

Portfolio Content



**Load: Day-ahead Schedule and Realtime Imbalance**

Participant	Metered (kWh)	DLF Adjusted Energy (kWh)	DLF Factor	Peak (kW)	ISO Load Cost (\$)	Rate (\$/MWh)
Arvin-Edison	120,896,655	124,003,278	2.6%	34,058	\$ 6,482,740	\$ 52.28
Banta-Carbona	14,043,272	14,043,272	0.0%	4,779	\$ 787,029	\$ 56.04
Byron-Bethany	2,834,234	2,889,029	1.9%	1,070	\$ 140,783	\$ 48.73
Cawelo	18,889,969	20,129,892	6.6%	6,694	\$ 975,723	\$ 48.47
Glenn-Colusa	11,578,618	11,697,763	1.0%	3,929	\$ 575,939	\$ 49.23
James	884,083	900,588	1.9%	923	\$ 54,415	\$ 60.42
Lower Tule	9,809,970	10,488,921	6.9%	2,587	\$ 531,229	\$ 50.65
Princeton	4,446,932	4,531,349	1.9%	2,356	\$ 213,941	\$ 47.21
RD108	2,360,513	2,464,572	4.4%	1,502	\$ 136,101	\$ 55.22
Santa Clara	21,293,343	21,760,513	2.2%	5,291	\$ 1,302,605	\$ 59.86
Sonoma	33,793,023	34,222,368	1.3%	8,886	\$ 1,993,240	\$ 58.24
West Stan	10,919,050	11,135,156	2.0%	4,661	\$ 561,816	\$ 50.45
Westlands	33,337,317	35,501,650	6.5%	35,285	\$ 2,113,527	\$ 59.53
Zone 7	5,225,975	5,323,119	1.9%	2,506	\$ 318,076	\$ 59.75
PWRPA	290,312,954	299,091,470	3.0%	89,423	\$ 16,187,163	\$ 54.12

**District-Specific Projects: WSH (100% SCWA) and BOR (100% WWD)**

Participant	Energy (kWh)	Vendor Cost (\$)	ISO Credit (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ 13,171	\$ 13,171	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	5,125,000	\$ -	\$ (256,522)	\$ 13,326	\$ (243,196)	\$ 2.60	\$ (50.05)
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	5,125,000	\$ -	\$ (256,522)	\$ 26,497	\$ (230,025)	\$ 5.17	\$ (50.05)

**Base Resource - Import, Displacement and Pooling**

Participant	ISO Import			Displacement			Pooling			WAPA Cost (\$)	Overhead (\$)	Resource Net			
	Energy (kWh)	ISO Settlement (\$)		Energy (kWh)	ISO Settlement (\$)	CVP Settlement (\$)	Energy (kWh)	Contract Cost/ (Credit)	ISO Settlement			Energy (kWh)	Cost / (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	38,041,640	\$ (2,110,853)		7,608,676	\$ (391,436)	\$ (103,699)	21,993,219	\$ 872,936	\$ (1,130,483)	\$ 1,203,530	\$ 22,633	67,643,534	\$ (1,637,373)	\$ 31.03	\$ (55.24)
Banta-Carbona	4,691,791	\$ (260,338)		938,401	\$ (48,277)	\$ (11,524)	2,091,873	\$ 84,597	\$ (112,964)	\$ 148,435	\$ 2,791	7,722,066	\$ (197,279)	\$ 30.54	\$ (56.09)
Byron-Bethany	2,536,181	\$ (140,728)		507,259	\$ (26,096)	\$ (4,009)	(426,336)	\$ (17,494)	\$ 21,927	\$ 80,238	\$ 1,509	2,617,104	\$ (84,654)	\$ 24.55	\$ (56.90)
Cawelo	2,253,142	\$ (125,022)		450,649	\$ (23,184)	\$ (14,640)	7,269,576	\$ 285,312	\$ (362,771)	\$ 71,283	\$ 1,341	9,973,366	\$ (167,683)	\$ 35.89	\$ (52.70)
Glenn-Colusa	4,239,108	\$ (235,219)		847,860	\$ (43,619)	\$ (9,485)	2,091,613	\$ 79,598	\$ (98,858)	\$ 134,113	\$ 2,522	7,178,581	\$ (170,948)	\$ 30.12	\$ (53.94)
James	897,615	\$ (49,807)		179,531	\$ (7,236)	\$ (778)	(573,069)	\$ (21,970)	\$ 27,488	\$ 28,398	\$ 534	504,078	\$ (25,370)	\$ 13.81	\$ (64.14)
Lower Tule	1,159,021	\$ (64,312)		231,815	\$ (11,926)	\$ (7,284)	3,432,128	\$ 138,288	\$ (179,488)	\$ 36,668	\$ 690	4,822,964	\$ (87,364)	\$ 36.42	\$ (54.53)
Princeton	950,978	\$ (52,768)		190,204	\$ (9,785)	\$ (3,496)	1,396,298	\$ 51,267	\$ (61,046)	\$ 30,086	\$ 566	2,537,480	\$ (45,176)	\$ 32.28	\$ (50.09)
RD108	759,701	\$ (42,154)		151,947	\$ (7,817)	\$ (1,849)	398,427	\$ 19,480	\$ (28,870)	\$ 24,035	\$ 452	1,310,075	\$ (36,723)	\$ 33.56	\$ (61.59)
Santa Clara	1,915,837	\$ (106,306)		383,185	\$ (19,713)	\$ (13,456)	6,198,310	\$ 259,513	\$ (344,864)	\$ 60,612	\$ 1,140	8,497,332	\$ (163,074)	\$ 37.81	\$ (57.00)
Sonoma	3,503,565	\$ (194,406)		700,745	\$ (36,051)	\$ (20,591)	9,431,096	\$ 397,571	\$ (531,098)	\$ 110,843	\$ 2,084	13,635,406	\$ (271,647)	\$ 37.44	\$ (57.36)
West Stan	6,593,927	\$ (365,884)		1,318,846	\$ (67,849)	\$ (11,339)	195,785	\$ 10,361	\$ (17,870)	\$ 208,613	\$ 3,923	8,108,558	\$ (240,045)	\$ 27.49	\$ (57.09)
Westlands	63,402,913	\$ (3,518,099)		12,681,162	\$ (652,395)	\$ (28,811)	(54,990,617)	\$ (2,220,842)	\$ 2,899,171	\$ 2,005,889	\$ 37,721	21,093,458	\$ (1,477,367)	\$ (8.40)	\$ (61.64)
Zone 7	283,581	\$ (15,735)		56,719	\$ (2,918)	\$ (2,870)	1,491,698	\$ 61,383	\$ (80,275)	\$ 8,972	\$ 169	1,831,997	\$ (31,275)	\$ 38.50	\$ (55.57)
PWRPA	131,229,000	\$ (7,281,630)		26,247,000	\$ (1,350,303)	\$ (233,832)	0	\$ 0	\$ (0)	\$ 4,151,716	\$ 78,074	157,476,000	\$ (4,635,976)	\$ 26.86	\$ (56.30)

Specific Projects: Astoria							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	10,435,864	\$ 668,704	\$ (308,857)	\$ 11,324	\$ 371,170	\$ 65.16	\$ (29.60)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	1,630,179	\$ 104,458	\$ (48,246)	\$ 1,769	\$ 57,980	\$ 65.16	\$ (29.60)
Glenn-Colusa	862,443	\$ 55,263	\$ (25,525)	\$ 936	\$ 30,674	\$ 65.16	\$ (29.60)
James	219,353	\$ 14,056	\$ (6,492)	\$ 238	\$ 7,802	\$ 65.16	\$ (29.60)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	306,985	\$ 19,671	\$ (9,085)	\$ 333	\$ 10,918	\$ 65.16	\$ (29.60)
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	1,091,049	\$ 69,912	\$ (32,290)	\$ 1,184	\$ 38,805	\$ 65.16	\$ (29.60)
Sonoma	2,850,771	\$ 182,670	\$ (84,371)	\$ 3,093	\$ 101,393	\$ 65.16	\$ (29.60)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	9,409,586	\$ 602,942	\$ (278,484)	\$ 10,210	\$ 334,669	\$ 65.16	\$ (29.60)
Zone 7	408,769	\$ 26,193	\$ (12,098)	\$ 444	\$ 14,539	\$ 65.16	\$ (29.60)
PWRPA	27,215,000	\$ 1,743,868	\$ (805,448)	\$ 29,530	\$ 967,950	\$ 65.16	\$ (29.60)

Specific Projects: Whitney Point							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	8,748,481	\$ 513,974	\$ (248,504)	\$ 46,338	\$ 311,808	\$ 64.05	\$ (28.41)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	749,799	\$ 44,051	\$ (21,298)	\$ 3,971	\$ 26,724	\$ 64.05	\$ (28.41)
James	249,933	\$ 14,684	\$ (7,099)	\$ 1,324	\$ 8,908	\$ 64.05	\$ (28.41)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	249,933	\$ 14,684	\$ (7,099)	\$ 1,324	\$ 8,908	\$ 64.05	\$ (28.41)
RD108	624,970	\$ 36,717	\$ (17,753)	\$ 3,310	\$ 22,275	\$ 64.05	\$ (28.41)
Santa Clara	1,874,635	\$ 110,135	\$ (53,250)	\$ 9,929	\$ 66,815	\$ 64.05	\$ (28.41)
Sonoma	6,998,950	\$ 411,188	\$ (198,808)	\$ 37,071	\$ 249,452	\$ 64.05	\$ (28.41)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	7,498,816	\$ 440,556	\$ (213,007)	\$ 39,719	\$ 267,268	\$ 64.05	\$ (28.41)
Zone 7	499,866	\$ 29,367	\$ (14,199)	\$ 2,648	\$ 17,816	\$ 64.05	\$ (28.41)
PWRPA	27,495,383	\$ 1,615,355	\$ (781,017)	\$ 145,635	\$ 979,973	\$ 64.05	\$ (28.41)

Specific Projects: Slate											
Participant	Solar Energy (kWh)	Solar Cost (\$)	Solar ISO Settlement (\$)	Solar Overhead (\$)	Battery Energy (kWh)	Battery Cost (\$)	Battery ISO Settlement (\$)	Battery Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	19,710,157	\$ 571,843	\$ (623,292)	\$ 75,573	247,108	\$ 76,980	\$ (53,271)	\$ 5,755	\$ 53,589	\$ 36.59	\$ (33.90)
Banta-Carbona	4,380,035	\$ 127,076	\$ (138,509)	\$ 16,794	494,216	\$ 153,959	\$ (106,541)	\$ 11,511	\$ 64,290	\$ 63.46	\$ (50.27)
Byron-Bethany	657,005	\$ 19,061	\$ (20,776)	\$ 2,519	37,066	\$ 11,547	\$ (7,991)	\$ 863	\$ 5,224	\$ 48.97	\$ (41.45)
Cawelo	9,088,572	\$ 263,683	\$ (287,407)	\$ 34,848	469,505	\$ 146,261	\$ (101,214)	\$ 10,935	\$ 67,106	\$ 47.68	\$ (40.66)
Glenn-Colusa	1,642,513	\$ 47,654	\$ (51,941)	\$ 6,298	-	\$ -	\$ -	\$ -	\$ 2,010	\$ 32.85	\$ (31.62)
James	547,504	\$ 15,885	\$ (17,314)	\$ 2,099	-	\$ -	\$ -	\$ -	\$ 670	\$ 32.85	\$ (31.62)
Lower Tule	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	547,504	\$ 15,885	\$ (17,314)	\$ 2,099	-	\$ -	\$ -	\$ -	\$ 670	\$ 32.85	\$ (31.62)
RD108	657,005	\$ 19,061	\$ (20,776)	\$ 2,519	61,777	\$ 19,245	\$ (13,318)	\$ 1,439	\$ 8,170	\$ 58.80	\$ (47.43)
Santa Clara	3,285,026	\$ 95,307	\$ (103,882)	\$ 12,596	123,554	\$ 38,490	\$ (26,635)	\$ 2,878	\$ 18,753	\$ 43.79	\$ (38.29)
Sonoma	2,190,017	\$ 63,538	\$ (69,255)	\$ 8,397	-	\$ -	\$ -	\$ -	\$ 2,681	\$ 32.85	\$ (31.62)
West Stan	4,380,035	\$ 127,076	\$ (138,509)	\$ 16,794	247,108	\$ 76,980	\$ (53,271)	\$ 5,755	\$ 34,825	\$ 48.97	\$ (41.45)
Westlands	8,760,070	\$ 254,152	\$ (277,018)	\$ 33,588	790,745	\$ 246,335	\$ (170,466)	\$ 18,417	\$ 105,008	\$ 57.85	\$ (46.85)
Zone 7	1,095,009	\$ 31,769	\$ (34,627)	\$ 4,199	-	\$ -	\$ -	\$ -	\$ 1,340	\$ 32.85	\$ (31.62)
PWRPA	56,940,453	\$ 1,651,991	\$ (1,800,620)	\$ 218,323	2,471,080	\$ 769,797	\$ (532,707)	\$ 57,554	\$ 364,337	\$ 45.41	\$ (39.27)

Specific Projects: Lodi Energy Center								
Participant	Energy (kWh)	Debt Cost (\$)	Energy & GHG Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	6,752,331	\$ 188,359	\$ 660,424	\$ (626,209)	\$ 5,643	\$ 228,217	\$ 126.54	\$ (92.74)
Banta-Carbona	2,539,405	\$ 70,838	\$ 248,371	\$ (235,504)	\$ 2,122	\$ 85,827	\$ 126.54	\$ (92.74)
Byron-Bethany	1,196,839	\$ 33,386	\$ 117,059	\$ (110,995)	\$ 1,000	\$ 40,451	\$ 126.54	\$ (92.74)
Cawelo	2,137,215	\$ 59,618	\$ 209,034	\$ (198,205)	\$ 1,786	\$ 72,234	\$ 126.54	\$ (92.74)
Glenn-Colusa	1,433,010	\$ 39,974	\$ 140,158	\$ (132,897)	\$ 1,198	\$ 48,433	\$ 126.54	\$ (92.74)
James	1,133,109	\$ 31,609	\$ 110,826	\$ (105,084)	\$ 947	\$ 38,297	\$ 126.54	\$ (92.74)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	1,196,383	\$ 33,374	\$ 117,014	\$ (110,952)	\$ 1,000	\$ 40,436	\$ 126.54	\$ (92.74)
RD108	635,650	\$ 17,732	\$ 62,171	\$ (58,950)	\$ 531	\$ 21,484	\$ 126.54	\$ (92.74)
Santa Clara	1,826,439	\$ 50,949	\$ 178,638	\$ (169,383)	\$ 1,526	\$ 61,730	\$ 126.54	\$ (92.74)
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	1,428,273	\$ 39,842	\$ 139,695	\$ (132,458)	\$ 1,194	\$ 48,273	\$ 126.54	\$ (92.74)
Westlands	8,261,686	\$ 230,463	\$ 808,050	\$ (766,186)	\$ 6,904	\$ 279,230	\$ 126.54	\$ (92.74)
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	28,540,340	\$ 796,145	\$ 2,791,441	\$ (2,646,823)	\$ 23,851	\$ 964,613	\$ 126.54	\$ (92.74)

Supplemental: Fixed Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

Supplemental: Variable Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

CAISO Grid Management & Misc					
Participant	Special Charges		Misc Charges		
	Operating Reserves	IFM Uplift Obligation'	Other	GMC	Residual
Arvin-Edison	\$ 16,356	\$ 9,596	\$ 52,775	\$ 94,756	\$ 99,025
Banta-Carbona	\$ 2,100	\$ 1,547	\$ 6,097	\$ 10,848	\$ 16,291
Byron-Bethany	\$ 54	\$ 49	\$ 1,179	\$ 2,243	\$ 3,150
Cawelo	\$ 4,530	\$ 1,820	\$ 8,140	\$ 15,546	\$ 19,269
Glenn-Colusa	\$ 1,511	\$ 772	\$ 5,128	\$ 9,070	\$ (9,853)
James	\$ 55	\$ 104	\$ 442	\$ 677	\$ (1,585)
Lower Tule	\$ 2,145	\$ 1,158	\$ 4,609	\$ 8,165	\$ 4,544
Princeton	\$ 587	\$ 339	\$ 1,957	\$ 3,558	\$ (6,616)
RD108	\$ 491	\$ 232	\$ 1,103	\$ 1,877	\$ 322
Santa Clara	\$ 3,856	\$ 3,484	\$ 10,793	\$ 16,938	\$ 9,032
Sonoma	\$ 6,122	\$ 5,347	\$ 16,868	\$ 26,560	\$ 10,744
West Stan	\$ 1,466	\$ 577	\$ 4,387	\$ 8,513	\$ 11,380
Westlands	\$ 3,328	\$ 3,292	\$ 15,390	\$ 26,356	\$ 52,321
Zone 7	\$ 933	\$ 907	\$ 2,630	\$ 4,106	\$ 3,488
PWRPA	\$ 43,534	\$ 29,225	\$ 131,498	\$ 229,213	\$ 211,513

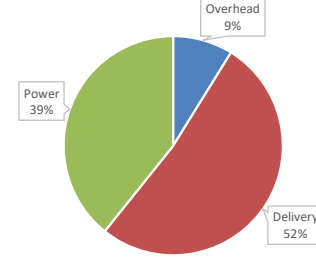
Supplemental: Other				
Participant	RECs	Capacity	Carbon	Total Cost
Arvin-Edison	\$ 25,863	\$ 14,591	\$ (45,178)	\$ (4,724)
Banta-Carbona	\$ 106,739	\$ -	\$ (5,146)	\$ 101,594
Byron-Bethany	\$ 7,309	\$ -	\$ (1,712)	\$ 5,598
Cawelo	\$ -	\$ -	\$ (6,776)	\$ (6,776)
Glenn-Colusa	\$ 44,495	\$ 1,883	\$ (4,788)	\$ 41,590
James	\$ 1,502	\$ -	\$ (316)	\$ 1,186
Lower Tule	\$ -	\$ 2,196	\$ (3,274)	\$ (1,078)
Princeton	\$ 8,474	\$ -	\$ (1,711)	\$ 6,763
RD108	\$ 6,465	\$ -	\$ (874)	\$ 5,591
Santa Clara	\$ 161,107	\$ 1,412	\$ 33,922	\$ 196,441
Sonoma	\$ (346,624)	\$ 6,276	\$ 48,707	\$ (291,641)
West Stan	\$ 56,801	\$ 941	\$ (5,346)	\$ 52,396
Westlands	\$ 147,570	\$ 8,001	\$ (15,852)	\$ 139,720
Zone 7	\$ 14,604	\$ 1,569	\$ 8,342	\$ 24,515
PWRPA	\$ 234,306	\$ 36,869	\$ -	\$ 271,175

**Power Water Resources Pooling Authority**  
January 2023

Operations Reconciliation Summary: January 2023														
Participant	DLF Adjusted Energy (kWh)	Overhead			Delivery			Power				Total Costs		
		JPA Mgmt	Metering	ASA Utility Mgmt & Operations	Distribution	Transmission	Grid Mgmt	Load Cost	District-Specific Projects	Base Resource (w/ DP & Pooling)	Special Project Generation		Supplemental	
Arvin-Edison	411,995	\$ 430	\$ 5,340	\$ 15,290	\$ 95,394	\$ 14,361	\$ 1,938	\$ 54,260	\$ -	\$ (55,171)	\$ (43,477)	\$ -	\$ 88,364	
Banta-Carbona	710,726	\$ 430	\$ 82	\$ 6,523	\$ -	\$ 24,774	\$ 3,856	\$ 110,285	\$ -	\$ (9,939)	\$ (1,200)	\$ -	\$ 134,811	
Byron-Bethany	17,429	\$ 430	\$ 82	\$ 3,217	\$ 596	\$ 608	\$ 80	\$ 2,539	\$ -	\$ (3,333)	\$ 1,382	\$ -	\$ 5,602	
Cawelo	12,791	\$ 430	\$ 411	\$ 4,186	\$ 2,506	\$ 446	\$ 59	\$ 1,769	\$ -	\$ (2,803)	\$ (13,828)	\$ -	\$ (6,825)	
Glenn-Colusa	82,231	\$ 430	\$ 1,068	\$ 4,096	\$ 8,976	\$ 2,864	\$ 409	\$ 11,912	\$ -	\$ (6,714)	\$ (1,867)	\$ -	\$ 21,174	
James	37,300	\$ 430	\$ 164	\$ 3,375	\$ 7,317	\$ 1,300	\$ 200	\$ 3,865	\$ -	\$ (1,260)	\$ 859	\$ -	\$ 16,250	
Lower Tule	158,930	\$ 430	\$ 82	\$ 4,178	\$ 20,868	\$ 5,540	\$ 850	\$ 22,001	\$ -	\$ (2,893)	\$ -	\$ -	\$ 51,057	
Princeton	5,965	\$ 430	\$ 82	\$ 3,182	\$ 177	\$ 86	\$ 27	\$ 848	\$ -	\$ (1,224)	\$ 901	\$ -	\$ 4,511	
RD108	45,781	\$ 430	\$ 246	\$ 3,399	\$ 5,422	\$ 1,596	\$ 238	\$ 6,260	\$ -	\$ (1,645)	\$ (172)	\$ -	\$ 15,775	
Santa Clara	1,517,304	\$ 430	\$ 739	\$ 8,725	\$ 92,189	\$ 33,179	\$ 8,207	\$ 217,227	\$ -	\$ (14,848)	\$ (4,938)	\$ 4,942	\$ 345,853	
Sonoma	2,299,910	\$ 430	\$ 1,643	\$ 12,056	\$ 55,111	\$ 80,168	\$ 12,400	\$ 325,172	\$ 822	\$ (24,938)	\$ (12,990)	\$ -	\$ 449,875	
West Stan	65,938	\$ 430	\$ 82	\$ 4,845	\$ 3,578	\$ 953	\$ 305	\$ 9,306	\$ -	\$ (9,633)	\$ (4,858)	\$ -	\$ 5,009	
Westlands	1,712,865	\$ 430	\$ 42,641	\$ 21,660	\$ 309,805	\$ 59,706	\$ 8,535	\$ 235,322	\$ (9,161)	\$ (114,883)	\$ (12,397)	\$ -	\$ 541,657	
Zone 7	415,095	\$ 430	\$ 411	\$ 4,609	\$ 57,724	\$ 8,322	\$ 2,240	\$ 56,130	\$ -	\$ (4,068)	\$ (3,119)	\$ -	\$ 122,680	
<b>TOTAL</b>	<b>7,494,261</b>	<b>\$ 6,027</b>	<b>\$ 53,075</b>	<b>\$ 99,340</b>	<b>\$ 659,663</b>	<b>\$ 233,902</b>	<b>\$ 39,343</b>	<b>\$ 1,056,895</b>	<b>\$ (8,340)</b>	<b>\$ (253,351)</b>	<b>\$ (95,704)</b>	<b>\$ 4,942</b>	<b>\$ 1,795,794</b>	
Percent of total cost		0.34%	2.96%	5.53%	36.73%	13.03%	2.19%	58.85%	-0.46%	-14.11%	-5.33%	0.28%	100.00%	
Reference Index	8	9	10	11	12	13	14	15	16	17	18	19	20	

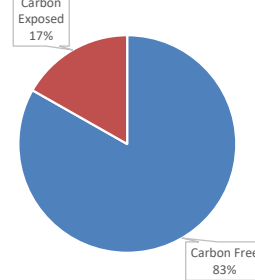
Summary of Costs as a Rate per Metered Energy (Cents per kWh)									
Participant	Metered Energy (kWh)	Cents per kWh							
		Overhead	Distribution	Transmission	Grid Mgmt	Load	Power Resources	Composite Rate	
Arvin-Edison	398,369	\$ 5.29	\$ 23.95	\$ 3.60	\$ 0.49	\$ 13.62	\$ (24.76)	\$ 22.18	
Banta-Carbona	710,726	\$ 0.99	\$ -	\$ 3.49	\$ 0.54	\$ 15.52	\$ (1.57)	\$ 18.97	
Byron-Bethany	17,110	\$ 21.80	\$ 3.49	\$ 3.55	\$ 0.47	\$ 14.84	\$ (11.40)	\$ 32.74	
Cawelo	12,499	\$ 40.22	\$ 20.05	\$ 3.57	\$ 0.47	\$ 14.15	\$ (133.07)	\$ (54.60)	
Glenn-Colusa	80,037	\$ 6.99	\$ 11.22	\$ 3.58	\$ 0.51	\$ 14.88	\$ (10.72)	\$ 26.45	
James	36,632	\$ 10.84	\$ 19.97	\$ 3.55	\$ 0.55	\$ 10.55	\$ (1.10)	\$ 44.36	
Lower Tule	148,828	\$ 3.15	\$ 14.02	\$ 3.72	\$ 0.57	\$ 14.78	\$ (1.94)	\$ 34.31	
Princeton	5,857	\$ 63.08	\$ 3.03	\$ 1.47	\$ 0.47	\$ 14.48	\$ (5.52)	\$ 77.01	
RD108	43,607	\$ 9.35	\$ 12.43	\$ 3.66	\$ 0.55	\$ 14.36	\$ (4.17)	\$ 36.17	
Santa Clara	1,485,795	\$ 0.67	\$ 6.20	\$ 2.23	\$ 0.55	\$ 14.62	\$ (1.00)	\$ 23.28	
Sonoma	2,269,158	\$ 0.62	\$ 2.43	\$ 3.53	\$ 0.55	\$ 14.33	\$ (1.64)	\$ 19.83	
West Stan	64,740	\$ 8.28	\$ 5.53	\$ 1.47	\$ 0.47	\$ 14.37	\$ (22.38)	\$ 7.74	
Westlands	1,613,234	\$ 4.01	\$ 19.20	\$ 3.70	\$ 0.53	\$ 14.59	\$ (8.46)	\$ 33.58	
Zone 7	407,589	\$ 1.34	\$ 14.16	\$ 2.04	\$ 0.55	\$ 13.77	\$ (1.76)	\$ 30.10	
<b>PWRPA</b>	<b>7,294,180</b>	<b>\$ 2.17</b>	<b>\$ 9.04</b>	<b>\$ 3.21</b>	<b>\$ 0.54</b>	<b>\$ 14.49</b>	<b>\$ (4.83)</b>	<b>\$ 24.62</b>	
Reference Index	21			22				23	

Cost of Service



Summary of Energy Portfolio								
Participant	DLF Adjusted Energy (kWh)	Hydro	Solar	Lodi	Secured Supplemental	Total Resources	Net Short/(Long)	Carbon Free Load
Banta-Carbona	710,726	76,919	152,001	394,482	-	623,403	87,323	32%
Byron-Bethany	17,429	13,239	22,800	185,922	-	221,961	(204,532)	207%
Cawelo	12,791	9,623	390,987	332,004	-	732,614	(719,823)	3132%
Glenn-Colusa	82,231	38,726	125,549	222,610	-	386,884	(304,653)	200%
James	37,300	6,149	38,691	176,022	-	220,862	(183,562)	120%
Lower Tule	158,930	27,060	-	-	-	27,060	131,870	17%
Princeton	5,965	4,642	42,754	185,851	-	233,247	(227,282)	795%
RD108	45,781	13,319	46,606	98,745	-	158,669	(112,888)	131%
Santa Clara	1,517,304	185,176	235,995	283,727	-	704,898	812,406	28%
Sonoma	2,299,910	311,900	474,777	-	-	786,676	1,513,234	34%
West Stan	65,938	48,719	152,001	221,874	-	422,594	(356,656)	304%
Westlands	1,712,865	879,737	1,025,920	1,283,406	-	3,189,064	(1,476,198)	111%
Zone 7	415,095	55,097	75,994	-	-	131,090	284,004	32%
<b>PWRPA</b>	<b>7,494,261</b>	<b>1,951,000</b>	<b>4,285,184</b>	<b>4,433,580</b>	<b>-</b>	<b>10,669,764</b>	<b>(3,175,503)</b>	<b>83%</b>
Percent of DLF Adjusted Energy:		26%	57%	59%	0%	142%		

Portfolio Content



**Load: Day-ahead Schedule and Realtime Imbalance**

Participant	Metered (kWh)	DLF Adjusted Energy (kWh)	DLF Factor	Peak (kW)	ISO Load Cost (\$)	Rate (\$/MWh)
Arvin-Edison	398,369	411,995	3.4%	5,370	\$ 54,260	\$ 131.70
Banta-Carbona	710,726	710,726	0.0%	2,636	\$ 110,285	\$ 155.17
Byron-Bethany	17,110	17,429	1.9%	37	\$ 2,539	\$ 145.67
Cawelo	12,499	12,791	2.3%	89	\$ 1,769	\$ 138.29
Glenn-Colusa	80,037	82,231	2.7%	438	\$ 11,912	\$ 144.86
James	36,632	37,300	1.8%	454	\$ 3,865	\$ 103.62
Lower Tule	148,828	158,930	6.8%	1,239	\$ 22,001	\$ 138.43
Princeton	5,857	5,965	1.8%	11	\$ 848	\$ 142.22
RD108	43,607	45,781	5.0%	320	\$ 6,260	\$ 136.75
Santa Clara	1,485,795	1,517,304	2.1%	4,420	\$ 217,227	\$ 143.17
Sonoma	2,269,158	2,299,910	1.4%	5,578	\$ 325,172	\$ 141.38
West Stan	64,740	65,938	1.9%	223	\$ 9,306	\$ 141.12
Westlands	1,613,234	1,712,865	6.2%	10,494	\$ 235,322	\$ 137.38
Zone 7	407,589	415,095	1.8%	2,204	\$ 56,130	\$ 135.22
PWRPA	7,294,180	7,494,261	2.7%	33,512	\$ 1,056,895	\$ 141.03

**District-Specific Projects: WSH (100% SCWA) and BOR (100% WWD)**

Participant	Energy (kWh)	Vendor Cost (\$)	ISO Credit (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ 822	\$ 822	\$ -	\$ -
West Stan	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Westlands	93,000	\$ -	\$ (10,254)	\$ 1,093	\$ (9,161)	\$ 11.75	\$ (110.26)
Zone 7	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
PWRPA	93,000	\$ -	\$ (10,254)	\$ 1,914	\$ (8,340)	\$ 20.58	\$ (110.26)

**Base Resource - Import, Displacement and Pooling**

Participant	ISO Import			Displacement			Pooling			WAPA Cost (\$)	Overhead (\$)	Resource Net			
	Energy (kWh)	ISO Settlement (\$)	CVP Settlement (\$)	Energy (kWh)	ISO Settlement (\$)	CVP Settlement (\$)	Energy (kWh)	Contract Cost/ (Credit)	ISO Settlement			Energy (kWh)	Cost / (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	538,611	\$ (88,972)	-	-	-	-	(257,916)	\$ (25,072)	\$ 43,344	\$ 14,200	\$ 1,328	280,695	\$ (55,171)	\$ (34.00)	\$ (162.55)
Banta-Carbona	66,429	\$ (10,973)	-	-	-	-	10,491	\$ 1,158	\$ (2,039)	\$ 1,751	\$ 164	76,919	\$ (9,939)	\$ 39.95	\$ (169.16)
Byron-Bethany	35,908	\$ (5,932)	-	-	-	-	(22,670)	\$ (2,161)	\$ 3,724	\$ 947	\$ 89	13,239	\$ (3,333)	\$ (85.02)	\$ (166.75)
Cawelo	31,901	\$ (5,270)	-	-	-	-	(22,278)	\$ (2,134)	\$ 3,680	\$ 841	\$ 79	9,623	\$ (2,803)	\$ (126.17)	\$ (165.15)
Glenn-Colusa	60,019	\$ (9,914)	-	-	-	-	(21,294)	\$ (2,031)	\$ 3,501	\$ 1,582	\$ 148	38,726	\$ (6,714)	\$ (7.77)	\$ (165.60)
James	12,709	\$ (2,099)	-	-	-	-	(6,560)	\$ (646)	\$ 1,118	\$ 335	\$ 31	6,149	\$ (1,260)	\$ (45.42)	\$ (159.52)
Lower Tule	16,410	\$ (2,711)	-	-	-	-	10,650	\$ 936	\$ (1,591)	\$ 433	\$ 40	27,060	\$ (2,893)	\$ 52.06	\$ (158.95)
Princeton	13,464	\$ (2,224)	-	-	-	-	(8,823)	\$ (845)	\$ 1,457	\$ 355	\$ 33	4,642	\$ (1,224)	\$ (98.35)	\$ (165.32)
RD108	10,756	\$ (1,777)	-	-	-	-	2,562	\$ 246	\$ (424)	\$ 284	\$ 27	13,319	\$ (1,645)	\$ 41.73	\$ (165.23)
Santa Clara	27,125	\$ (4,481)	-	-	-	-	158,051	\$ 15,316	\$ (26,465)	\$ 715	\$ 67	185,176	\$ (14,848)	\$ 86.93	\$ (167.12)
Sonoma	49,605	\$ (8,194)	-	-	-	-	262,294	\$ 25,089	\$ (43,263)	\$ 1,308	\$ 122	311,900	\$ (24,938)	\$ 85.02	\$ (164.98)
West Stan	93,360	\$ (15,422)	-	-	-	-	(44,641)	\$ (4,275)	\$ 7,372	\$ 2,461	\$ 230	48,719	\$ (9,633)	\$ (32.49)	\$ (165.23)
Westlands	897,687	\$ (148,287)	-	-	-	-	(110,950)	\$ (10,448)	\$ 17,971	\$ 23,667	\$ 2,214	786,737	\$ (114,883)	\$ 19.62	\$ (165.64)
Zone 7	4,015	\$ (663)	-	-	-	-	51,082	\$ 4,867	\$ (8,387)	\$ 106	\$ 10	55,097	\$ (4,068)	\$ 90.44	\$ (164.26)
PWRPA	1,858,000	\$ (306,919)	-	-	-	-	(0)	\$ -	\$ -	\$ 48,985	\$ 4,583	1,858,000	\$ (253,351)	\$ 28.83	\$ (165.19)



Specific Projects: Astoria							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	483,861	\$ 30,481	\$ (42,328)	\$ 637	\$ (11,210)	\$ 64.31	\$ (87.48)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	75,584	\$ 4,761	\$ (6,612)	\$ 99	\$ (1,751)	\$ 64.31	\$ (87.48)
Glenn-Colusa	39,987	\$ 2,519	\$ (3,498)	\$ 53	\$ (926)	\$ 64.31	\$ (87.48)
James	10,170	\$ 641	\$ (890)	\$ 13	\$ (236)	\$ 64.31	\$ (87.48)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	14,233	\$ 897	\$ (1,245)	\$ 19	\$ (330)	\$ 64.31	\$ (87.48)
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	50,587	\$ 3,187	\$ (4,425)	\$ 67	\$ (1,172)	\$ 64.31	\$ (87.48)
Sonoma	132,177	\$ 8,327	\$ (11,563)	\$ 174	\$ (3,062)	\$ 64.31	\$ (87.48)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	436,278	\$ 27,483	\$ (38,165)	\$ 574	\$ (10,108)	\$ 64.31	\$ (87.48)
Zone 7	18,953	\$ 1,194	\$ (1,658)	\$ 25	\$ (439)	\$ 64.31	\$ (87.48)
PWRPA	1,261,830	\$ 79,490	\$ (110,384)	\$ 1,661	\$ (29,234)	\$ 64.31	\$ (87.48)

Specific Projects: Whitney Point							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	333,241	\$ 19,578	\$ (31,564)	\$ 5,324	\$ (6,662)	\$ 74.73	\$ (94.72)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	28,561	\$ 1,678	\$ (2,705)	\$ 456	\$ (571)	\$ 74.73	\$ (94.72)
James	9,520	\$ 559	\$ (902)	\$ 152	\$ (190)	\$ 74.73	\$ (94.72)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	9,520	\$ 559	\$ (902)	\$ 152	\$ (190)	\$ 74.73	\$ (94.72)
RD108	23,806	\$ 1,399	\$ (2,255)	\$ 380	\$ (476)	\$ 74.73	\$ (94.72)
Santa Clara	71,407	\$ 4,195	\$ (6,764)	\$ 1,141	\$ (1,428)	\$ 74.73	\$ (94.72)
Sonoma	266,599	\$ 15,663	\$ (25,252)	\$ 4,259	\$ (5,330)	\$ 74.73	\$ (94.72)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	285,640	\$ 16,782	\$ (27,056)	\$ 4,564	\$ (5,710)	\$ 74.73	\$ (94.72)
Zone 7	19,041	\$ 1,119	\$ (1,804)	\$ 304	\$ (381)	\$ 74.73	\$ (94.72)
PWRPA	1,047,335	\$ 61,532	\$ (99,203)	\$ 16,733	\$ (20,938)	\$ 74.73	\$ (94.72)

Specific Projects: Slate												
Participant	Solar Energy (kWh)	Solar Cost (\$)	Solar ISO Settlement (\$)	Solar Overhead (\$)	Battery Energy (kWh)	Battery Cost (\$)	Battery ISO Settlement (\$)	Battery Overhead (\$)	Net Energy (kWh)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	684,006	\$ 19,769	\$ (65,836)	\$ 4,685	-	\$ 6,700	\$ (6,095)	\$ 665	684,006	\$ (40,112)	\$ 46.52	\$ (105.16)
Banta-Carbona	152,001	\$ 4,393	\$ (14,630)	\$ 1,041	-	\$ 13,400	\$ (12,190)	\$ 1,330	152,001	\$ (6,656)	\$ 132.66	\$ (176.45)
Byron-Bethany	22,800	\$ 659	\$ (2,195)	\$ 156	-	\$ 1,005	\$ (914)	\$ 100	22,800	\$ (1,189)	\$ 84.20	\$ (136.35)
Cawelo	315,403	\$ 9,116	\$ (30,358)	\$ 2,161	-	\$ 12,730	\$ (11,581)	\$ 1,263	315,403	\$ (16,669)	\$ 80.12	\$ (132.97)
Glenn-Colusa	57,001	\$ 1,647	\$ (5,486)	\$ 390	-	\$ -	\$ -	\$ -	57,001	\$ (3,448)	\$ 35.75	\$ (96.25)
James	19,000	\$ 549	\$ (1,829)	\$ 130	-	\$ -	\$ -	\$ -	19,000	\$ (1,149)	\$ 35.75	\$ (96.25)
Lower Tule	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	19,000	\$ 549	\$ (1,829)	\$ 130	-	\$ -	\$ -	\$ -	19,000	\$ (1,149)	\$ 35.75	\$ (96.25)
RD108	22,800	\$ 659	\$ (2,195)	\$ 156	-	\$ 1,675	\$ (1,524)	\$ 166	22,800	\$ (1,062)	\$ 116.51	\$ (163.08)
Santa Clara	114,001	\$ 3,295	\$ (10,973)	\$ 781	-	\$ 3,350	\$ (3,048)	\$ 332	114,001	\$ (6,262)	\$ 68.05	\$ (122.98)
Sonoma	76,001	\$ 2,197	\$ (7,315)	\$ 521	-	\$ -	\$ -	\$ -	76,001	\$ (4,598)	\$ 35.75	\$ (96.25)
West Stan	152,001	\$ 4,393	\$ (14,630)	\$ 1,041	-	\$ 6,700	\$ (6,095)	\$ 665	152,001	\$ (7,926)	\$ 84.20	\$ (136.35)
Westlands	304,003	\$ 8,786	\$ (29,260)	\$ 2,082	-	\$ 21,440	\$ (19,504)	\$ 2,128	304,003	\$ (14,328)	\$ 113.28	\$ (160.41)
Zone 7	38,000	\$ 1,098	\$ (3,658)	\$ 260	-	\$ -	\$ -	\$ -	38,000	\$ (2,299)	\$ 35.75	\$ (96.25)
PWRPA	1,976,018	\$ 57,110	\$ (190,192)	\$ 13,536	-	\$ 67,000	\$ (60,951)	\$ 6,650	1,976,018	\$ (106,848)	\$ 35.75	\$ (127.10)

Specific Projects: Lodi Energy Center								
Participant	Energy (kWh)	Debt Cost (\$)	Energy & GHG Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	1,048,936	\$ 15,696	\$ 161,417	\$ (163,151)	\$ 544	\$ 14,507	\$ 169.37	\$ (155.54)
Banta-Carbona	394,482	\$ 5,903	\$ 60,706	\$ (61,358)	\$ 205	\$ 5,456	\$ 169.37	\$ (155.54)
Byron-Bethany	185,922	\$ 2,782	\$ 28,611	\$ (28,918)	\$ 96	\$ 2,571	\$ 169.37	\$ (155.54)
Cawelo	332,004	\$ 4,968	\$ 51,091	\$ (51,640)	\$ 172	\$ 4,592	\$ 169.37	\$ (155.54)
Glenn-Colusa	222,610	\$ 3,331	\$ 34,257	\$ (34,625)	\$ 116	\$ 3,079	\$ 169.37	\$ (155.54)
James	176,022	\$ 2,634	\$ 27,087	\$ (27,378)	\$ 91	\$ 2,434	\$ 169.37	\$ (155.54)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	185,851	\$ 2,781	\$ 28,600	\$ (28,907)	\$ 96	\$ 2,570	\$ 169.37	\$ (155.54)
RD108	98,745	\$ 1,478	\$ 15,195	\$ (15,359)	\$ 51	\$ 1,366	\$ 169.37	\$ (155.54)
Santa Clara	283,727	\$ 4,246	\$ 43,662	\$ (44,131)	\$ 147	\$ 3,924	\$ 169.37	\$ (155.54)
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	221,874	\$ 3,320	\$ 34,143	\$ (34,510)	\$ 115	\$ 3,068	\$ 169.37	\$ (155.54)
Westlands	1,283,406	\$ 19,205	\$ 197,499	\$ (199,621)	\$ 666	\$ 17,749	\$ 169.37	\$ (155.54)
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	4,433,580	\$ 66,344	\$ 682,269	\$ (689,598)	\$ 2,301	\$ 61,315	\$ 169.37	\$ (155.54)

Supplemental: Fixed Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

Supplemental: Variable Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

CAISO Grid Management & Misc						
Participant	Special Charges			Misc Charges		
	Operating Reserves	IFM Uplift Obligation'	Other	GMC	Residual	
Arvin-Edison	\$ 32	\$ 133	\$ 423	\$ 380	\$ 969	
Banta-Carbona	\$ 157	\$ 643	\$ 729	\$ 656	\$ 1,672	
Byron-Bethany	\$ 1	\$ 4	\$ 18	\$ 16	\$ 41	
Cawelo	\$ 1	\$ 3	\$ 13	\$ 12	\$ 30	
Glenn-Colusa	\$ 11	\$ 44	\$ 84	\$ 76	\$ 193	
James	\$ 8	\$ 32	\$ 38	\$ 34	\$ 88	
Lower Tule	\$ 33	\$ 134	\$ 163	\$ 147	\$ 374	
Princeton	\$ 0	\$ 1	\$ 6	\$ 6	\$ 14	
RD108	\$ 8	\$ 33	\$ 47	\$ 42	\$ 108	
Santa Clara	\$ 329	\$ 1,352	\$ 1,556	\$ 1,400	\$ 3,569	
Sonoma	\$ 492	\$ 2,018	\$ 2,359	\$ 2,122	\$ 5,410	
West Stan	\$ 4	\$ 17	\$ 68	\$ 61	\$ 155	
Westlands	\$ 229	\$ 940	\$ 1,757	\$ 1,581	\$ 4,029	
Zone 7	\$ 89	\$ 365	\$ 426	\$ 383	\$ 976	
PWRPA	\$ 1,394	\$ 5,720	\$ 7,687	\$ 6,915	\$ 17,627	

Supplemental: Other				
Participant	RECs	Capacity	Carbon	Total Cost
Arvin-Edison	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	\$ -	\$ -	\$ -	\$ -
Cawelo	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	\$ -	\$ -	\$ -	\$ -
James	\$ -	\$ -	\$ -	\$ -
Lower Tule	\$ -	\$ -	\$ -	\$ -
Princeton	\$ -	\$ -	\$ -	\$ -
RD108	\$ -	\$ -	\$ -	\$ -
Santa Clara	\$ 4,942	\$ -	\$ -	\$ 4,942
Sonoma	\$ -	\$ -	\$ -	\$ -
West Stan	\$ -	\$ -	\$ -	\$ -
Westlands	\$ -	\$ -	\$ -	\$ -
Zone 7	\$ -	\$ -	\$ -	\$ -
PWRPA	\$ 4,942	\$ -	\$ -	\$ 4,942

**Power Water Resources Pooling Authority**  
February 2023

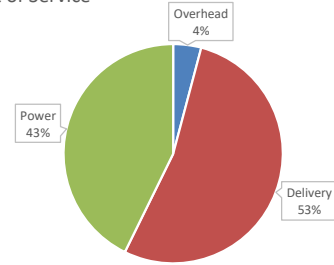
**Operations Reconciliation Summary: February 2023**

Participant	DLF Adjusted Energy (kWh)	Overhead			Delivery			Power				Total Costs	
		JPA Mgmt	Metering	ASA Utility Mgmt & Operations	Distribution	Transmission	Grid Mgmt	Load Cost	District-Specific Projects	Base Resource (w/ DP & Pooling)	Special Project Generation		Supplemental
Arvin-Edison	10,063,086	\$ 597	\$ 5,415	\$ 23,788	\$ 229,612	\$ 350,775	\$ 38,339	\$ 721,708	\$ -	\$ (14,803)	\$ 47,520	\$ -	\$ 1,402,950
Banta-Carbona	75,603	\$ 597	\$ 83	\$ 5,408	\$ -	\$ 2,635	\$ 283	\$ 6,191	\$ -	\$ (1,627)	\$ 8,194	\$ -	\$ 21,765
Byron-Bethany	19,534	\$ 597	\$ 83	\$ 3,526	\$ 612	\$ 681	\$ 72	\$ 1,483	\$ -	\$ (780)	\$ 3,335	\$ -	\$ 9,610
Cawelo	18,937	\$ 597	\$ 417	\$ 4,613	\$ 2,536	\$ 660	\$ 71	\$ 1,192	\$ -	\$ (581)	\$ 9,032	\$ -	\$ 18,537
Glenn-Colusa	133,969	\$ 597	\$ 1,083	\$ 4,429	\$ 7,988	\$ 4,668	\$ 505	\$ 9,620	\$ -	\$ (1,588)	\$ 6,296	\$ -	\$ 33,598
James	186,652	\$ 597	\$ 167	\$ 3,782	\$ 13,298	\$ 6,506	\$ 711	\$ 13,219	\$ -	\$ (309)	\$ 3,788	\$ -	\$ 41,758
Lower Tule	239,385	\$ 597	\$ 83	\$ 4,391	\$ 20,798	\$ 8,344	\$ 912	\$ 17,601	\$ -	\$ (451)	\$ -	\$ -	\$ 52,275
Princeton	5,633	\$ 597	\$ 83	\$ 3,507	\$ 177	\$ 81	\$ 21	\$ 418	\$ -	\$ (257)	\$ 4,104	\$ -	\$ 8,732
RD108	42,244	\$ 597	\$ 250	\$ 3,673	\$ 5,578	\$ 1,473	\$ 160	\$ 3,062	\$ -	\$ (288)	\$ 2,862	\$ -	\$ 17,366
Santa Clara	1,482,635	\$ 597	\$ 750	\$ 6,839	\$ 98,416	\$ 30,526	\$ 5,655	\$ 113,543	\$ -	\$ (799)	\$ 9,742	\$ 5,651	\$ 270,919
Sonoma	1,935,113	\$ 597	\$ 1,666	\$ 8,834	\$ 47,316	\$ 67,453	\$ 7,379	\$ 140,653	\$ 825	\$ (1,417)	\$ 15,305	\$ -	\$ 288,610
West Stan	107,715	\$ 597	\$ 83	\$ 5,268	\$ 13,765	\$ 1,557	\$ 403	\$ 9,542	\$ -	\$ (2,308)	\$ 4,245	\$ -	\$ 33,151
Westlands	8,143,153	\$ 597	\$ 43,153	\$ 26,290	\$ 840,299	\$ 283,851	\$ 30,971	\$ 572,059	\$ (14,838)	\$ (24,167)	\$ 51,456	\$ -	\$ 1,809,670
Zone 7	643,080	\$ 597	\$ 417	\$ 4,517	\$ 65,503	\$ 10,949	\$ 2,454	\$ 49,921	\$ -	\$ (138)	\$ 1,303	\$ -	\$ 135,521
<b>TOTAL</b>	<b>23,096,739</b>	<b>\$ 8,354</b>	<b>\$ 53,733</b>	<b>\$ 108,865</b>	<b>\$ 1,345,897</b>	<b>\$ 770,159</b>	<b>\$ 87,933</b>	<b>\$ 1,660,212</b>	<b>\$ (14,013)</b>	<b>\$ (49,512)</b>	<b>\$ 167,184</b>	<b>\$ 5,651</b>	<b>\$ 4,144,462</b>
Percent of total cost		0.20%	1.30%	2.63%	32.47%	18.58%	2.12%	40.06%	-0.34%	-1.19%	4.03%	0.14%	100.00%
Reference Index	10	11	12	13	14	15	16	17	18	19	20	21	22

**Summary of Costs as a Rate per Metered Energy (Cents per kWh)**

Participant	Metered Energy (kWh)	Cents per kWh							Composite Rate
		Overhead	Distribution	Transmission	Grid Mgmt	Load	Power Resources	Power Resources	
Arvin-Edison	9,921,632	\$ 0.30	\$ 2.31	\$ 3.54	\$ 0.39	\$ 7.27	\$ 0.33	\$ 14.14	
Banta-Carbona	75,603	\$ 8.05	\$ -	\$ 3.49	\$ 0.37	\$ 8.19	\$ 8.69	\$ 28.79	
Byron-Bethany	19,181	\$ 21.93	\$ 3.19	\$ 3.55	\$ 0.38	\$ 7.73	\$ 13.32	\$ 50.10	
Cawelo	18,552	\$ 30.33	\$ 13.67	\$ 3.56	\$ 0.38	\$ 6.43	\$ 45.56	\$ 99.92	
Glenn-Colusa	130,574	\$ 4.68	\$ 6.12	\$ 3.58	\$ 0.39	\$ 7.37	\$ 3.61	\$ 25.73	
James	183,317	\$ 2.48	\$ 7.25	\$ 3.55	\$ 0.39	\$ 7.21	\$ 1.90	\$ 22.78	
Lower Tule	224,267	\$ 2.26	\$ 9.27	\$ 3.72	\$ 0.41	\$ 7.85	\$ (0.20)	\$ 23.31	
Princeton	5,532	\$ 75.70	\$ 3.20	\$ 1.47	\$ 0.38	\$ 7.55	\$ 69.56	\$ 157.86	
RD108	40,271	\$ 11.22	\$ 13.85	\$ 3.66	\$ 0.40	\$ 7.60	\$ 6.39	\$ 43.12	
Santa Clara	1,444,194	\$ 0.57	\$ 6.81	\$ 2.11	\$ 0.39	\$ 7.86	\$ 1.01	\$ 18.76	
Sonoma	1,913,054	\$ 0.58	\$ 2.47	\$ 3.53	\$ 0.39	\$ 7.35	\$ 0.77	\$ 15.09	
West Stan	105,745	\$ 5.63	\$ 13.02	\$ 1.47	\$ 0.38	\$ 9.02	\$ 1.83	\$ 31.35	
Westlands	7,637,798	\$ 0.92	\$ 11.00	\$ 3.72	\$ 0.41	\$ 7.49	\$ 0.16	\$ 23.69	
Zone 7	631,504	\$ 0.88	\$ 10.37	\$ 1.73	\$ 0.39	\$ 7.91	\$ 0.18	\$ 21.46	
<b>PWRPA</b>	<b>22,351,223</b>	<b>\$ 0.76</b>	<b>\$ 6.02</b>	<b>\$ 3.45</b>	<b>\$ 0.39</b>	<b>\$ 7.43</b>	<b>\$ 0.49</b>	<b>\$ 18.54</b>	
Reference Index	24			25				26	

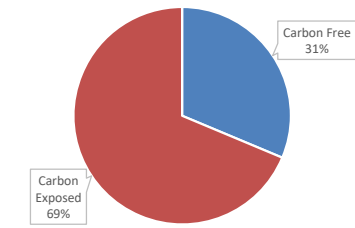
Cost of Service



**Summary of Energy Portfolio**

Participant	DLF Adjusted Energy (kWh)	Hydro	Solar	Lodi	Secured Supplemental	Total Resources	Net Short/(Long)	Carbon Free Load
Arvin-Edison	10,063,086	190,787	2,192,185	768,876	-	3,151,848	6,911,238	24%
Banta-Carbona	75,603	16,833	268,035	289,158	-	574,026	(498,424)	377%
Byron-Bethany	19,534	7,227	37,769	136,282	-	181,277	(161,743)	230%
Cawelo	18,937	4,257	618,489	243,361	-	866,107	(847,170)	3288%
Glenn-Colusa	133,969	19,234	182,037	163,174	-	364,446	(230,477)	150%
James	186,652	3,824	56,547	129,025	-	189,397	(2,745)	32%
Lower Tule	239,385	5,871	-	-	-	5,871	233,514	2%
Princeton	5,633	1,982	61,862	136,230	-	200,074	(194,440)	1133%
RD108	42,244	3,585	73,903	72,380	-	149,868	(107,624)	183%
Santa Clara	1,482,635	10,983	354,465	207,974	-	573,421	909,214	25%
Sonoma	1,935,113	19,200	677,133	-	-	696,333	1,238,779	36%
West Stan	107,715	23,412	251,790	162,635	-	437,838	(330,123)	255%
Westlands	8,143,153	527,633	1,507,814	940,744	-	2,976,191	5,166,962	25%
Zone 7	643,080	2,173	111,279	-	-	113,451	529,629	18%
<b>PWRPA</b>	<b>23,096,739</b>	<b>837,000</b>	<b>6,393,308</b>	<b>3,249,840</b>	<b>-</b>	<b>10,480,148</b>	<b>12,616,590</b>	<b>31%</b>
Percent of DLF Adjusted Energy:		4%	28%	14%	0%	45%		

Portfolio Content



**Load: Day-ahead Schedule and Realtime Imbalance**

Participant	Metered (kWh)	DLF Adjusted Energy (kWh)	DLF Factor	Peak (kW)	ISO Load Cost (\$)	Rate (\$/MWh)
Arvin-Edison	9,921,632	10,063,086	1.4%	25,891	\$ 721,708	\$ 71.72
Banta-Carbona	75,603	75,603	0.0%	1,940	\$ 6,191	\$ 81.89
Byron-Bethany	19,181	19,534	1.8%	38	\$ 1,483	\$ 75.94
Cawelo	18,552	18,937	2.1%	90	\$ 1,192	\$ 62.95
Glenn-Colusa	130,574	133,969	2.6%	839	\$ 9,620	\$ 71.81
James	183,317	186,652	1.8%	826	\$ 13,219	\$ 70.82
Lower Tule	224,267	239,385	6.7%	1,236	\$ 17,601	\$ 73.53
Princeton	5,532	5,633	1.8%	11	\$ 418	\$ 74.12
RD108	40,271	42,244	4.9%	330	\$ 3,062	\$ 72.48
Santa Clara	1,444,194	1,482,635	2.7%	4,483	\$ 113,543	\$ 76.58
Sonoma	1,913,054	1,935,113	1.2%	5,314	\$ 140,653	\$ 72.68
West Stan	105,745	107,715	1.9%	855	\$ 9,542	\$ 88.58
Westlands	7,637,798	8,143,153	6.6%	35,285	\$ 572,059	\$ 70.25
Zone 7	631,504	643,080	1.8%	2,506	\$ 49,921	\$ 77.63
PWRPA	22,351,223	23,096,739	3.3%	79,642	\$ 1,660,212	\$ 71.88

**District-Specific Projects: WSH (100% SCWA) and BOR (100% WWD)**

Participant	Energy (kWh)	Vendor Cost (\$)	ISO Credit (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ 825	\$ 825	\$ -	\$ -
West Stan	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Westlands	224,000	\$ -	\$ (15,934)	\$ 1,096	\$ (14,838)	\$ 4.89	\$ (71.13)
Zone 7	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
PWRPA	224,000	\$ -	\$ (15,934)	\$ 1,921	\$ (14,013)	\$ 8.57	\$ (71.13)

**Base Resource - Import, Displacement and Pooling**

Participant	ISO Import			Displacement			Pooling			WAPA Cost (\$)	Overhead (\$)	Resource Net			
	Energy (kWh)	ISO Settlement (\$)		Energy (kWh)	ISO Settlement (\$)	CVP Settlement (\$)	Energy (kWh)	Contract Cost/ (Credit)	ISO Settlement			Energy (kWh)	Cost / (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	177,701	\$ (20,356)	-	\$ -	\$ -	-	13,086	\$ 795	\$ (1,245)	\$ 4,685	\$ 1,319	190,787	\$ (14,803)	\$ 35.63	\$ (113.22)
Banta-Carbona	21,916	\$ (2,511)	-	\$ -	\$ -	-	(5,083)	\$ (278)	\$ 421	\$ 578	\$ 163	16,833	\$ (1,627)	\$ 27.49	\$ (124.12)
Byron-Bethany	11,847	\$ (1,357)	-	\$ -	\$ -	-	(4,620)	\$ (299)	\$ 476	\$ 312	\$ 88	7,227	\$ (780)	\$ 14.05	\$ (121.98)
Cawelo	10,525	\$ (1,206)	-	\$ -	\$ -	-	(6,268)	\$ (434)	\$ 703	\$ 277	\$ 78	4,257	\$ (581)	\$ (18.51)	\$ (117.97)
Glenn-Colusa	19,802	\$ (2,268)	-	\$ -	\$ -	-	(568)	\$ (26)	\$ 38	\$ 522	\$ 147	19,234	\$ (1,588)	\$ 33.41	\$ (115.96)
James	4,193	\$ (480)	-	\$ -	\$ -	-	(369)	\$ (40)	\$ 70	\$ 111	\$ 31	3,824	\$ (309)	\$ 26.66	\$ (107.39)
Lower Tule	5,414	\$ (620)	-	\$ -	\$ -	-	456	\$ 26	\$ (39)	\$ 143	\$ 40	5,871	\$ (451)	\$ 35.54	\$ (112.37)
Princeton	4,442	\$ (509)	-	\$ -	\$ -	-	(2,461)	\$ (167)	\$ 269	\$ 117	\$ 33	1,982	\$ (257)	\$ (8.58)	\$ (120.90)
RD108	3,549	\$ (407)	-	\$ -	\$ -	-	36	\$ 2	\$ (4)	\$ 94	\$ 26	3,585	\$ (288)	\$ 34.08	\$ (114.40)
Santa Clara	8,949	\$ (1,025)	-	\$ -	\$ -	-	2,034	\$ 129	\$ (205)	\$ 236	\$ 66	10,983	\$ (799)	\$ 39.31	\$ (112.03)
Sonoma	16,366	\$ (1,875)	-	\$ -	\$ -	-	2,834	\$ 170	\$ (266)	\$ 431	\$ 121	19,200	\$ (1,417)	\$ 37.66	\$ (111.49)
West Stan	30,802	\$ (3,528)	-	\$ -	\$ -	-	(7,389)	\$ (375)	\$ 554	\$ 812	\$ 229	23,412	\$ (2,308)	\$ 28.45	\$ (127.04)
Westlands	296,169	\$ (33,927)	-	\$ -	\$ -	-	7,463	\$ 442	\$ (688)	\$ 7,808	\$ 2,198	303,633	\$ (24,167)	\$ 34.41	\$ (114.00)
Zone 7	1,325	\$ (152)	-	\$ -	\$ -	-	848	\$ 54	\$ (85)	\$ 35	\$ 10	2,173	\$ (138)	\$ 45.37	\$ (109.09)
PWRPA	613,000	\$ (70,222)	-	\$ -	\$ -	-	0	\$ 0	\$ -	\$ 16,161	\$ 4,548	613,000	\$ (49,512)	\$ 33.78	\$ (114.55)

Specific Projects: Astoria							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	632,912	\$ 39,875	\$ (23,720)	\$ 819	\$ 16,974	\$ 64.30	\$ (37.48)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	98,867	\$ 6,229	\$ (3,705)	\$ 128	\$ 2,652	\$ 64.30	\$ (37.48)
Glenn-Colusa	52,305	\$ 3,295	\$ (1,960)	\$ 68	\$ 1,403	\$ 64.30	\$ (37.48)
James	13,303	\$ 838	\$ (499)	\$ 17	\$ 357	\$ 64.30	\$ (37.48)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	18,618	\$ 1,173	\$ (698)	\$ 24	\$ 499	\$ 64.30	\$ (37.48)
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	66,170	\$ 4,169	\$ (2,480)	\$ 86	\$ 1,775	\$ 64.30	\$ (37.48)
Sonoma	172,893	\$ 10,893	\$ (6,480)	\$ 224	\$ 4,637	\$ 64.30	\$ (37.48)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	570,671	\$ 35,954	\$ (21,387)	\$ 738	\$ 15,305	\$ 64.30	\$ (37.48)
Zone 7	24,791	\$ 1,562	\$ (929)	\$ 32	\$ 665	\$ 64.30	\$ (37.48)
PWRPA	1,650,530	\$ 103,988	\$ (61,857)	\$ 2,135	\$ 44,266	\$ 64.30	\$ (37.48)

Specific Projects: Whitney Point							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	483,073	\$ 28,381	\$ (19,420)	\$ 4,734	\$ 13,695	\$ 68.55	\$ (40.20)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	41,402	\$ 2,432	\$ (1,664)	\$ 406	\$ 1,174	\$ 68.55	\$ (40.20)
James	13,801	\$ 811	\$ (555)	\$ 135	\$ 391	\$ 68.55	\$ (40.20)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	13,801	\$ 811	\$ (555)	\$ 135	\$ 391	\$ 68.55	\$ (40.20)
RD108	34,510	\$ 2,027	\$ (1,387)	\$ 338	\$ 978	\$ 68.55	\$ (40.20)
Santa Clara	103,513	\$ 6,081	\$ (4,161)	\$ 1,015	\$ 2,935	\$ 68.55	\$ (40.20)
Sonoma	386,467	\$ 22,705	\$ (15,536)	\$ 3,788	\$ 10,956	\$ 68.55	\$ (40.20)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	414,069	\$ 24,327	\$ (16,646)	\$ 4,058	\$ 11,739	\$ 68.55	\$ (40.20)
Zone 7	27,602	\$ 1,622	\$ (1,110)	\$ 271	\$ 783	\$ 68.55	\$ (40.20)
PWRPA	1,518,238	\$ 89,197	\$ (61,034)	\$ 14,880	\$ 43,042	\$ 68.55	\$ (40.20)

Specific Projects: Slate												
Participant	Solar Energy (kWh)	Solar Cost (\$)	Solar ISO Settlement (\$)	Solar Overhead (\$)	Battery Energy (kWh)	Battery Cost (\$)	Battery ISO Settlement (\$)	Battery Overhead (\$)	Net Energy (kWh)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	1,059,955	\$ 31,676	\$ (39,366)	\$ 5,098	16,245	\$ 6,600	\$ (6,135)	\$ 433	1,076,200	\$ (1,694)	\$ 40.71	\$ (42.28)
Banta-Carbona	235,545	\$ 7,039	\$ (8,748)	\$ 1,133	32,490	\$ 13,200	\$ (12,270)	\$ 866	268,035	\$ 1,220	\$ 82.97	\$ (78.42)
Byron-Bethany	35,332	\$ 1,056	\$ (1,312)	\$ 170	2,437	\$ 990	\$ (920)	\$ 65	37,769	\$ 48	\$ 60.39	\$ (59.11)
Cawelo	488,757	\$ 14,606	\$ (18,152)	\$ 2,351	30,865	\$ 12,540	\$ (11,657)	\$ 823	519,622	\$ 511	\$ 58.35	\$ (57.37)
Glenn-Colusa	88,330	\$ 2,640	\$ (3,281)	\$ 425	-	\$ -	\$ -	\$ -	88,330	\$ (216)	\$ 34.69	\$ (37.14)
James	29,443	\$ 880	\$ (1,094)	\$ 142	-	\$ -	\$ -	\$ -	29,443	\$ (72)	\$ 34.69	\$ (37.14)
Lower Tule	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	29,443	\$ 880	\$ (1,094)	\$ 142	-	\$ -	\$ -	\$ -	29,443	\$ (72)	\$ 34.69	\$ (37.14)
RD108	35,332	\$ 1,056	\$ (1,312)	\$ 170	4,061	\$ 1,650	\$ (1,534)	\$ 108	39,393	\$ 138	\$ 75.75	\$ (72.25)
Santa Clara	176,659	\$ 5,279	\$ (6,561)	\$ 850	8,122	\$ 3,300	\$ (3,068)	\$ 217	184,782	\$ 17	\$ 52.20	\$ (52.11)
Sonoma	117,773	\$ 3,520	\$ (4,374)	\$ 566	-	\$ -	\$ -	\$ -	117,773	\$ (288)	\$ 34.69	\$ (37.14)
West Stan	235,545	\$ 7,039	\$ (8,748)	\$ 1,133	16,245	\$ 6,600	\$ (6,135)	\$ 433	251,790	\$ 322	\$ 60.39	\$ (59.11)
Westlands	471,091	\$ 14,078	\$ (17,496)	\$ 2,266	51,984	\$ 21,120	\$ (19,632)	\$ 1,386	523,075	\$ 1,722	\$ 74.27	\$ (70.98)
Zone 7	58,886	\$ 1,760	\$ (2,187)	\$ 283	-	\$ -	\$ -	\$ -	58,886	\$ (144)	\$ 34.69	\$ (37.14)
PWRPA	3,062,091	\$ 91,507	\$ (113,724)	\$ 14,729	162,449	\$ 66,000	\$ (61,351)	\$ 4,332	3,224,541	\$ 1,493	\$ 54.76	\$ (54.29)

Specific Projects: Lodi Energy Center								
Participant	Energy (kWh)	Debt Cost (\$)	Energy & GHG Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	768,876	\$ 15,696	\$ 72,848	\$ (70,381)	\$ 381	\$ 18,545	\$ 115.66	\$ (91.54)
Banta-Carbona	289,158	\$ 5,903	\$ 27,397	\$ (26,469)	\$ 143	\$ 6,974	\$ 115.66	\$ (91.54)
Byron-Bethany	136,282	\$ 2,782	\$ 12,912	\$ (12,475)	\$ 68	\$ 3,287	\$ 115.66	\$ (91.54)
Cawelo	243,361	\$ 4,968	\$ 23,057	\$ (22,277)	\$ 121	\$ 5,870	\$ 115.66	\$ (91.54)
Glenn-Colusa	163,174	\$ 3,331	\$ 15,460	\$ (14,937)	\$ 81	\$ 3,936	\$ 115.66	\$ (91.54)
James	129,025	\$ 2,634	\$ 12,225	\$ (11,811)	\$ 64	\$ 3,112	\$ 115.66	\$ (91.54)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	136,230	\$ 2,781	\$ 12,907	\$ (12,470)	\$ 68	\$ 3,286	\$ 115.66	\$ (91.54)
RD108	72,380	\$ 1,478	\$ 6,858	\$ (6,626)	\$ 36	\$ 1,746	\$ 115.66	\$ (91.54)
Santa Clara	207,974	\$ 4,246	\$ 19,705	\$ (19,037)	\$ 103	\$ 5,016	\$ 115.66	\$ (91.54)
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	162,635	\$ 3,320	\$ 15,409	\$ (14,887)	\$ 81	\$ 3,923	\$ 115.66	\$ (91.54)
Westlands	940,744	\$ 19,205	\$ 89,132	\$ (86,113)	\$ 467	\$ 22,690	\$ 115.66	\$ (91.54)
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	3,249,840	\$ 66,344	\$ 307,909	\$ (297,481)	\$ 1,612	\$ 78,383	\$ 115.66	\$ (91.54)

Supplemental: Fixed Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

Supplemental: Variable Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

CAISO Grid Management & Misc						
Participant	Special Charges			Misc Charges		
	Operating Reserves	IFM Uplift Obligation'	Other	GMC	Residual	
Arvin-Edison	\$ 1,671	\$ 1,811	\$ 3,349	\$ 6,017	\$ 25,491	
Banta-Carbona	\$ 10	\$ 11	\$ 25	\$ 45	\$ 192	
Byron-Bethany	\$ 2	\$ 2	\$ 7	\$ 12	\$ 49	
Cawelo	\$ 2	\$ 3	\$ 6	\$ 11	\$ 48	
Glenn-Colusa	\$ 19	\$ 21	\$ 45	\$ 80	\$ 339	
James	\$ 31	\$ 34	\$ 62	\$ 112	\$ 473	
Lower Tule	\$ 40	\$ 43	\$ 80	\$ 143	\$ 606	
Princeton	\$ 1	\$ 1	\$ 2	\$ 3	\$ 14	
RD108	\$ 7	\$ 7	\$ 14	\$ 25	\$ 107	
Santa Clara	\$ 249	\$ 270	\$ 493	\$ 886	\$ 3,756	
Sonoma	\$ 324	\$ 351	\$ 644	\$ 1,157	\$ 4,902	
West Stan	\$ 14	\$ 15	\$ 36	\$ 64	\$ 273	
Westlands	\$ 1,327	\$ 1,438	\$ 2,710	\$ 4,869	\$ 20,628	
Zone 7	\$ 108	\$ 118	\$ 214	\$ 385	\$ 1,629	
PWRPA	\$ 3,805	\$ 4,124	\$ 7,687	\$ 13,810	\$ 58,507	

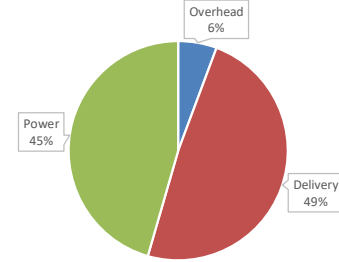
Supplemental: Other				
Participant	RECs	Capacity	Carbon	Total Cost
Arvin-Edison	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	\$ -	\$ -	\$ -	\$ -
Cawelo	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	\$ -	\$ -	\$ -	\$ -
James	\$ -	\$ -	\$ -	\$ -
Lower Tule	\$ -	\$ -	\$ -	\$ -
Princeton	\$ -	\$ -	\$ -	\$ -
RD108	\$ -	\$ -	\$ -	\$ -
Santa Clara	\$ 5,651	\$ -	\$ -	\$ 5,651
Sonoma	\$ -	\$ -	\$ -	\$ -
West Stan	\$ -	\$ -	\$ -	\$ -
Westlands	\$ -	\$ -	\$ -	\$ -
Zone 7	\$ -	\$ -	\$ -	\$ -
PWRPA	\$ 5,651	\$ -	\$ -	\$ 5,651

**Power Water Resources Pooling Authority**  
March 2023

Operations Reconciliation Summary: March 2023													
Participant	DLF Adjusted Energy (kWh)	Overhead			Delivery			Power				Total Costs	
		JPA Mgmt	Metering	ASA Utility Mgmt & Operations	Distribution	Transmission	Grid Mgmt	Load Cost	District-Specific Projects	Base Resource (w/ DP & Pooling)	Special Project Generation		Supplemental
Arvin-Edison	10,150,377	\$ 866	\$ 5,477	\$ 28,481	\$ 202,674	\$ 353,791	\$ 45,867	\$ 765,754	\$ -	\$ (20,751)	\$ 65,546	\$ -	\$ 1,447,705
Banta-Carbona	1,531,763	\$ 866	\$ 84	\$ 7,513	\$ -	\$ 53,390	\$ 6,923	\$ 112,428	\$ -	\$ (2,668)	\$ 6,989	\$ -	\$ 185,526
Byron-Bethany	17,571	\$ 866	\$ 84	\$ 3,927	\$ 580	\$ 612	\$ 78	\$ 1,339	\$ -	\$ (837)	\$ 3,134	\$ -	\$ 9,783
Cawelo	83,534	\$ 866	\$ 421	\$ 5,232	\$ 11,684	\$ 2,912	\$ 376	\$ 6,113	\$ -	\$ (829)	\$ 10,047	\$ -	\$ 36,822
Glenn-Colusa	98,999	\$ 866	\$ 1,095	\$ 5,002	\$ 5,828	\$ 3,449	\$ 442	\$ 7,749	\$ -	\$ (1,841)	\$ 7,733	\$ -	\$ 30,324
James	12,985	\$ 866	\$ 169	\$ 4,067	\$ 1,578	\$ 453	\$ 58	\$ 936	\$ -	\$ (379)	\$ 4,105	\$ -	\$ 11,852
Lower Tule	210,925	\$ 866	\$ 84	\$ 4,893	\$ 20,097	\$ 7,352	\$ 952	\$ 14,804	\$ -	\$ (637)	\$ -	\$ -	\$ 48,411
Princeton	9,917	\$ 866	\$ 84	\$ 3,910	\$ 2,319	\$ 143	\$ 44	\$ 762	\$ -	\$ (339)	\$ 4,482	\$ -	\$ 12,272
RD108	43,884	\$ 866	\$ 253	\$ 4,111	\$ 4,678	\$ 1,530	\$ 197	\$ 3,287	\$ -	\$ (386)	\$ 3,268	\$ -	\$ 17,804
Santa Clara	1,254,751	\$ 866	\$ 758	\$ 7,651	\$ 78,323	\$ 25,891	\$ 5,675	\$ 95,684	\$ -	\$ (1,197)	\$ 12,253	\$ 8,612	\$ 234,518
Sonoma	2,052,309	\$ 866	\$ 1,685	\$ 10,369	\$ 48,021	\$ 71,533	\$ 9,282	\$ 153,382	\$ 825	\$ (2,121)	\$ 24,572	\$ -	\$ 318,413
West Stan	63,942	\$ 866	\$ 84	\$ 5,833	\$ 7,795	\$ 924	\$ 283	\$ 4,840	\$ -	\$ (2,489)	\$ 3,972	\$ -	\$ 22,108
Westlands	2,525,220	\$ 866	\$ 43,561	\$ 28,513	\$ 499,705	\$ 88,016	\$ 11,310	\$ 190,151	\$ (10,822)	\$ (31,579)	\$ 63,795	\$ -	\$ 883,516
Zone 7	425,574	\$ 866	\$ 421	\$ 4,929	\$ 59,280	\$ 9,072	\$ 1,926	\$ 31,681	\$ -	\$ (214)	\$ 2,283	\$ -	\$ 110,244
<b>TOTAL</b>	<b>18,481,750</b>	<b>\$ 12,126</b>	<b>\$ 54,262</b>	<b>\$ 124,431</b>	<b>\$ 942,560</b>	<b>\$ 619,969</b>	<b>\$ 83,414</b>	<b>\$ 1,388,909</b>	<b>\$ (9,997)</b>	<b>\$ (66,265)</b>	<b>\$ 212,178</b>	<b>\$ 8,612</b>	<b>\$ 3,369,298</b>
Percent of total cost		0.36%	1.61%	3.69%	27.97%	18.37%	2.48%	41.22%	-0.30%	-1.97%	6.30%	0.26%	100.00%
Reference Index	10	11	12	13	14	15	16	17	18	19	20	21	22

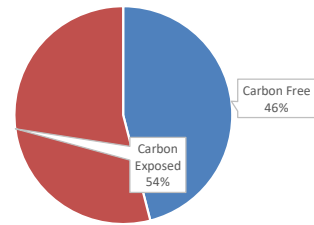
Summary of Costs as a Rate per Metered Energy (Cents per kWh)									
Participant	Metered Energy (kWh)	Cents per kWh							
		Overhead	Distribution	Transmission	Grid Mgmt	Load	Power Resources	Composite Rate	
Arvin-Edison	10,021,390	\$ 0.35	\$ 2.02	\$ 3.53	\$ 0.46	\$ 7.64	\$ 0.45	\$ 14.45	
Banta-Carbona	1,531,763	\$ 0.55	\$ -	\$ 3.49	\$ 0.45	\$ 7.34	\$ 0.28	\$ 12.11	
Byron-Bethany	17,257	\$ 28.26	\$ 3.36	\$ 3.55	\$ 0.45	\$ 7.76	\$ 13.31	\$ 56.69	
Cawelo	78,853	\$ 8.27	\$ 14.82	\$ 3.69	\$ 0.48	\$ 7.75	\$ 11.69	\$ 46.70	
Glenn-Colusa	96,996	\$ 7.18	\$ 6.01	\$ 3.56	\$ 0.46	\$ 7.99	\$ 6.07	\$ 31.26	
James	12,764	\$ 39.97	\$ 12.37	\$ 3.55	\$ 0.45	\$ 7.33	\$ 29.19	\$ 92.86	
Lower Tule	197,635	\$ 2.96	\$ 10.17	\$ 3.72	\$ 0.48	\$ 7.49	\$ (0.32)	\$ 24.50	
Princeton	9,741	\$ 49.89	\$ 23.81	\$ 1.47	\$ 0.45	\$ 7.82	\$ 42.53	\$ 125.97	
RD108	41,764	\$ 12.52	\$ 11.20	\$ 3.66	\$ 0.47	\$ 7.87	\$ 6.90	\$ 42.63	
Santa Clara	1,227,654	\$ 0.76	\$ 6.38	\$ 2.11	\$ 0.46	\$ 7.79	\$ 1.60	\$ 19.10	
Sonoma	2,024,969	\$ 0.64	\$ 2.37	\$ 3.53	\$ 0.46	\$ 7.57	\$ 1.15	\$ 15.72	
West Stan	62,799	\$ 10.80	\$ 12.41	\$ 1.47	\$ 0.45	\$ 7.71	\$ 2.36	\$ 35.20	
Westlands	2,406,663	\$ 3.03	\$ 20.76	\$ 3.66	\$ 0.47	\$ 7.90	\$ 0.89	\$ 36.71	
Zone 7	418,030	\$ 1.49	\$ 14.18	\$ 2.17	\$ 0.46	\$ 7.58	\$ 0.49	\$ 26.37	
<b>PWRPA</b>	<b>18,148,277</b>	<b>\$ 1.05</b>	<b>\$ 5.19</b>	<b>\$ 3.41</b>	<b>\$ 0.46</b>	<b>\$ 7.65</b>	<b>\$ 0.80</b>	<b>\$ 18.57</b>	
Reference Index	24			25				26	

Cost of Service



Summary of Energy Portfolio								
Participant	DLF Adjusted Energy (kWh)	Hydro	Solar	Lodi	Secured Supplemental	Total Resources	Net Short/(Long)	Carbon Free Load
Banta-Carbona	1,531,763	47,269	353,485	332,913	-	733,668	798,094	26%
Byron-Bethany	17,571	6,756	43,413	156,904	-	207,073	(189,503)	286%
Cawelo	83,534	7,626	710,410	280,187	-	998,223	(914,689)	860%
Glenn-Colusa	98,999	24,114	193,256	187,866	-	405,237	(306,237)	220%
James	12,985	4,700	59,359	148,549	-	212,608	(199,624)	493%
Lower Tule	210,925	10,924	-	-	-	10,924	200,001	5%
Princeton	9,917	3,087	65,867	156,845	-	225,799	(215,882)	695%
RD108	43,884	6,165	87,072	83,333	-	176,570	(132,686)	212%
Santa Clara	1,254,751	22,730	393,824	239,444	-	655,999	598,752	33%
Sonoma	2,052,309	39,535	741,598	-	-	781,133	1,271,176	38%
West Stan	63,942	25,651	289,419	187,245	-	502,315	(438,373)	493%
Westlands	2,525,220	710,322	1,801,573	1,083,099	-	3,594,994	(1,069,774)	99%
Zone 7	425,574	4,580	116,494	-	-	121,074	304,501	28%
<b>PWRPA</b>	<b>18,481,750</b>	<b>1,268,000</b>	<b>7,230,493</b>	<b>3,741,610</b>	<b>-</b>	<b>12,240,103</b>	<b>6,241,647</b>	<b>46%</b>
Percent of DLF Adjusted Energy:		7%	39%	20%	0%	66%		

Portfolio Content



**Load: Day-ahead Schedule and Realtime Imbalance**

Participant	Metered (kWh)	DLF Adjusted Energy (kWh)	DLF Factor	Peak (kW)	ISO Load Cost (\$)	Rate (\$/MWh)
Arvin-Edison	10,021,390	10,150,377	1.3%	22,933	\$ 765,754	\$ 75.44
Banta-Carbona	1,531,763	1,531,763	0.0%	2,445	\$ 112,428	\$ 73.40
Byron-Bethany	17,257	17,571	1.8%	37	\$ 1,339	\$ 76.19
Cawelo	78,853	83,534	5.9%	661	\$ 6,113	\$ 73.18
Glenn-Colusa	96,996	98,999	2.1%	613	\$ 7,749	\$ 78.28
James	12,764	12,985	1.7%	98	\$ 936	\$ 72.06
Lower Tule	197,635	210,925	6.7%	1,192	\$ 14,804	\$ 70.19
Princeton	9,741	9,917	1.8%	144	\$ 762	\$ 76.80
RD108	41,764	43,884	5.1%	273	\$ 3,287	\$ 74.91
Santa Clara	1,227,654	1,254,751	2.2%	3,716	\$ 95,684	\$ 76.26
Sonoma	2,024,969	2,052,309	1.4%	6,052	\$ 153,382	\$ 74.74
West Stan	62,799	63,942	1.8%	484	\$ 4,840	\$ 75.70
Westlands	2,406,663	2,525,220	4.9%	20,351	\$ 190,151	\$ 75.30
Zone 7	418,030	425,574	1.8%	2,265	\$ 31,681	\$ 74.44
PWRPA	18,148,277	18,481,750	1.8%	61,263	\$ 1,388,909	\$ 75.15

**District-Specific Projects: WSH (100% SCWA) and BOR (100% WWD)**

Participant	Energy (kWh)	Vendor Cost (\$)	ISO Credit (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ 825	\$ 825	\$ -	\$ -
West Stan	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Westlands	217,000	\$ -	\$ (11,918)	\$ 1,096	\$ (10,822)	\$ 5.05	\$ (54.92)
Zone 7	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
PWRPA	217,000	\$ -	\$ (11,918)	\$ 1,921	\$ (9,997)	\$ 8.85	\$ (54.92)

**Base Resource - Import, Displacement and Pooling**

Participant	ISO Import			Displacement			Pooling			WAPA Cost (\$)	Overhead (\$)	Resource Net			
	Energy (kWh)	ISO Settlement (\$)	CVP Settlement (\$)	Energy (kWh)	ISO Settlement (\$)	CVP Settlement (\$)	Energy (kWh)	Contract Cost/ (Credit)	ISO Settlement			Energy (kWh)	Cost / (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	304,672	\$ (28,749)	-	-	-	-	49,869	\$ 2,856	\$ (4,398)	\$ 8,032	\$ 1,507	354,540	\$ (20,751)	\$ 34.96	\$ (93.49)
Banta-Carbona	37,576	\$ (3,546)	-	-	-	-	9,693	\$ 554	\$ (852)	\$ 991	\$ 186	47,269	\$ (2,668)	\$ 36.61	\$ (93.04)
Byron-Bethany	20,312	\$ (1,917)	-	-	-	-	(13,556)	\$ (801)	\$ 1,245	\$ 536	\$ 100	6,756	\$ (837)	\$ (24.43)	\$ (99.46)
Cawelo	18,045	\$ (1,703)	-	-	-	-	(10,419)	\$ (584)	\$ 892	\$ 476	\$ 89	7,626	\$ (829)	\$ (2.44)	\$ (106.24)
Glenn-Colusa	33,951	\$ (3,204)	-	-	-	-	(9,837)	\$ (559)	\$ 859	\$ 895	\$ 168	24,114	\$ (1,841)	\$ 20.89	\$ (97.22)
James	7,189	\$ (678)	-	-	-	-	(2,489)	\$ (140)	\$ 215	\$ 190	\$ 36	4,700	\$ (379)	\$ 18.08	\$ (98.67)
Lower Tule	9,282	\$ (876)	-	-	-	-	1,641	\$ 95	\$ (146)	\$ 245	\$ 46	10,924	\$ (637)	\$ 35.27	\$ (93.54)
Princeton	7,616	\$ (719)	-	-	-	-	(4,529)	\$ (261)	\$ 403	\$ 201	\$ 38	3,087	\$ (339)	\$ (7.28)	\$ (102.40)
RD108	6,084	\$ (574)	-	-	-	-	80	\$ 5	\$ (7)	\$ 160	\$ 30	6,165	\$ (386)	\$ 31.66	\$ (94.31)
Santa Clara	15,344	\$ (1,448)	-	-	-	-	7,386	\$ 424	\$ (653)	\$ 405	\$ 76	22,730	\$ (1,197)	\$ 39.78	\$ (92.42)
Sonoma	28,060	\$ (2,648)	-	-	-	-	11,476	\$ 655	\$ (1,007)	\$ 740	\$ 139	39,535	\$ (2,121)	\$ 38.78	\$ (92.43)
West Stan	52,810	\$ (4,983)	-	-	-	-	(27,159)	\$ (1,557)	\$ 2,398	\$ 1,392	\$ 261	25,651	\$ (2,489)	\$ 3.76	\$ (100.79)
Westlands	507,788	\$ (47,914)	-	-	-	-	(14,465)	\$ (818)	\$ 1,255	\$ 13,387	\$ 2,511	493,322	\$ (31,579)	\$ 30.57	\$ (94.58)
Zone 7	2,271	\$ (214)	-	-	-	-	2,309	\$ 132	\$ (203)	\$ 60	\$ 11	4,580	\$ (214)	\$ 44.35	\$ (91.16)
PWRPA	1,051,000	\$ (99,171)	-	-	-	-	0	\$ 0	\$ (0)	\$ 27,709	\$ 5,198	1,051,000	\$ (66,265)	\$ 31.31	\$ (94.36)



Specific Projects: Astoria							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	775,095	\$ 48,832	\$ (24,281)	\$ 832	\$ 25,383	\$ 64.07	\$ (31.33)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	121,077	\$ 7,628	\$ (3,793)	\$ 130	\$ 3,965	\$ 64.07	\$ (31.33)
Glenn-Colusa	64,056	\$ 4,036	\$ (2,007)	\$ 69	\$ 2,098	\$ 64.07	\$ (31.33)
James	16,292	\$ 1,026	\$ (510)	\$ 17	\$ 534	\$ 64.07	\$ (31.33)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	22,800	\$ 1,436	\$ (714)	\$ 24	\$ 747	\$ 64.07	\$ (31.33)
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	81,035	\$ 5,105	\$ (2,539)	\$ 87	\$ 2,654	\$ 64.07	\$ (31.33)
Sonoma	211,733	\$ 13,339	\$ (6,633)	\$ 227	\$ 6,934	\$ 64.07	\$ (31.33)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	698,871	\$ 44,030	\$ (21,893)	\$ 750	\$ 22,887	\$ 64.07	\$ (31.33)
Zone 7	30,360	\$ 1,913	\$ (951)	\$ 33	\$ 994	\$ 64.07	\$ (31.33)
PWRPA	2,021,320	\$ 127,346	\$ (63,321)	\$ 2,170	\$ 66,195	\$ 64.07	\$ (31.33)

Specific Projects: Whitney Point							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	521,473	\$ 30,637	\$ (20,884)	\$ 12,209	\$ 21,962	\$ 82.16	\$ (40.05)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	44,693	\$ 2,626	\$ (1,790)	\$ 1,046	\$ 1,882	\$ 82.16	\$ (40.05)
James	14,898	\$ 875	\$ (597)	\$ 349	\$ 627	\$ 82.16	\$ (40.05)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	14,898	\$ 875	\$ (597)	\$ 349	\$ 627	\$ 82.16	\$ (40.05)
RD108	37,253	\$ 2,189	\$ (1,492)	\$ 872	\$ 1,569	\$ 82.16	\$ (40.05)
Santa Clara	111,742	\$ 6,565	\$ (4,475)	\$ 2,616	\$ 4,706	\$ 82.16	\$ (40.05)
Sonoma	417,188	\$ 24,510	\$ (16,708)	\$ 9,768	\$ 17,570	\$ 82.16	\$ (40.05)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	446,984	\$ 26,260	\$ (17,901)	\$ 10,465	\$ 18,825	\$ 82.16	\$ (40.05)
Zone 7	29,796	\$ 1,750	\$ (1,193)	\$ 698	\$ 1,255	\$ 82.16	\$ (40.05)
PWRPA	1,638,925	\$ 96,287	\$ (65,636)	\$ 38,373	\$ 69,024	\$ 82.16	\$ (40.05)

Specific Projects: Slate												
Participant	Solar Energy (kWh)	Solar Cost (\$)	Solar ISO Settlement (\$)	Solar Overhead (\$)	Battery Energy (kWh)	Battery Cost (\$)	Battery ISO Settlement (\$)	Battery Overhead (\$)	Net Energy (kWh)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	1,014,087	\$ 35,935	\$ (46,055)	\$ 10,730	64,066	\$ 6,452	\$ (6,756)	\$ 450	1,078,153	\$ 758	\$ 49.68	\$ (48.98)
Banta-Carbona	225,353	\$ 7,986	\$ (10,234)	\$ 2,384	128,133	\$ 12,904	\$ (13,512)	\$ 901	353,485	\$ 429	\$ 68.39	\$ (67.18)
Byron-Bethany	33,803	\$ 1,198	\$ (1,535)	\$ 358	9,610	\$ 968	\$ (1,013)	\$ 68	43,413	\$ 42	\$ 59.68	\$ (58.70)
Cawelo	467,607	\$ 16,570	\$ (21,236)	\$ 4,948	121,726	\$ 12,259	\$ (12,836)	\$ 856	589,333	\$ 560	\$ 58.77	\$ (57.82)
Glenn-Colusa	84,507	\$ 2,995	\$ (3,838)	\$ 894	-	\$ -	\$ -	\$ -	84,507	\$ 51	\$ 46.02	\$ (45.41)
James	28,169	\$ 998	\$ (1,279)	\$ 298	-	\$ -	\$ -	\$ -	28,169	\$ 17	\$ 46.02	\$ (45.41)
Lower Tule	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	28,169	\$ 998	\$ (1,279)	\$ 298	-	\$ -	\$ -	\$ -	28,169	\$ 17	\$ 46.02	\$ (45.41)
RD108	33,803	\$ 1,198	\$ (1,535)	\$ 358	16,017	\$ 1,613	\$ (1,689)	\$ 113	49,819	\$ 57	\$ 65.86	\$ (64.72)
Santa Clara	169,014	\$ 5,989	\$ (7,676)	\$ 1,788	32,033	\$ 3,226	\$ (3,378)	\$ 225	201,048	\$ 175	\$ 55.85	\$ (54.98)
Sonoma	112,676	\$ 3,993	\$ (5,117)	\$ 1,192	-	\$ -	\$ -	\$ -	112,676	\$ 68	\$ 46.02	\$ (45.41)
West Stan	225,353	\$ 7,986	\$ (10,234)	\$ 2,384	64,066	\$ 6,452	\$ (6,756)	\$ 450	289,419	\$ 282	\$ 59.68	\$ (58.70)
Westlands	450,705	\$ 15,971	\$ (20,469)	\$ 4,769	205,012	\$ 20,647	\$ (21,619)	\$ 1,441	655,718	\$ 741	\$ 65.32	\$ (64.19)
Zone 7	56,338	\$ 1,996	\$ (2,559)	\$ 596	-	\$ -	\$ -	\$ -	56,338	\$ 34	\$ 46.02	\$ (45.41)
PWRPA	2,929,584	\$ 103,814	\$ (133,046)	\$ 30,998	640,664	\$ 64,522	\$ (67,559)	\$ 4,504	3,570,248	\$ 3,232	\$ 57.09	\$ (56.19)

Specific Projects: Lodi Energy Center								
Participant	Energy (kWh)	Debt Cost (\$)	Energy & GHG Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	885,224	\$ 15,696	\$ 84,298	\$ (82,891)	\$ 341	\$ 17,443	\$ 113.34	\$ (93.64)
Banta-Carbona	332,913	\$ 5,903	\$ 31,703	\$ (31,174)	\$ 128	\$ 6,560	\$ 113.34	\$ (93.64)
Byron-Bethany	156,904	\$ 2,782	\$ 14,942	\$ (14,692)	\$ 60	\$ 3,092	\$ 113.34	\$ (93.64)
Cawelo	280,187	\$ 4,968	\$ 26,682	\$ (26,236)	\$ 108	\$ 5,521	\$ 113.34	\$ (93.64)
Glenn-Colusa	187,866	\$ 3,331	\$ 17,890	\$ (17,592)	\$ 72	\$ 3,702	\$ 113.34	\$ (93.64)
James	148,549	\$ 2,634	\$ 14,146	\$ (13,910)	\$ 57	\$ 2,927	\$ 113.34	\$ (93.64)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	156,845	\$ 2,781	\$ 14,936	\$ (14,687)	\$ 60	\$ 3,091	\$ 113.34	\$ (93.64)
RD108	83,333	\$ 1,478	\$ 7,936	\$ (7,803)	\$ 32	\$ 1,642	\$ 113.34	\$ (93.64)
Santa Clara	239,444	\$ 4,246	\$ 22,802	\$ (22,421)	\$ 92	\$ 4,718	\$ 113.34	\$ (93.64)
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	187,245	\$ 3,320	\$ 17,831	\$ (17,533)	\$ 72	\$ 3,690	\$ 113.34	\$ (93.64)
Westlands	1,083,099	\$ 19,205	\$ 103,141	\$ (101,420)	\$ 417	\$ 21,342	\$ 113.34	\$ (93.64)
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	3,741,610	\$ 66,344	\$ 356,305	\$ (350,361)	\$ 1,440	\$ 73,728	\$ 113.34	\$ (93.64)

Supplemental: Fixed Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

Supplemental: Variable Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

CAISO Grid Management & Misc						
Participant	Special Charges		Misc Charges			
	Operating Reserves	IFM Uplift Obligation'	Other	GMC	Residual	
Arvin-Edison	\$ 1,536	\$ 899	\$ 4,222	\$ 7,049	\$ 32,161	
Banta-Carbona	\$ 233	\$ 136	\$ 637	\$ 1,064	\$ 4,853	
Byron-Bethany	\$ 2	\$ 1	\$ 7	\$ 12	\$ 56	
Cawelo	\$ 12	\$ 7	\$ 35	\$ 58	\$ 265	
Glenn-Colusa	\$ 12	\$ 7	\$ 41	\$ 69	\$ 314	
James	\$ 1	\$ 1	\$ 5	\$ 9	\$ 41	
Lower Tule	\$ 31	\$ 18	\$ 88	\$ 146	\$ 668	
Princeton	\$ 1	\$ 1	\$ 4	\$ 7	\$ 31	
RD108	\$ 6	\$ 3	\$ 18	\$ 30	\$ 139	
Santa Clara	\$ 193	\$ 113	\$ 522	\$ 871	\$ 3,976	
Sonoma	\$ 316	\$ 185	\$ 854	\$ 1,425	\$ 6,503	
West Stan	\$ 6	\$ 4	\$ 27	\$ 44	\$ 203	
Westlands	\$ 319	\$ 186	\$ 1,050	\$ 1,754	\$ 8,001	
Zone 7	\$ 66	\$ 39	\$ 177	\$ 296	\$ 1,348	
PWRPA	\$ 2,733	\$ 1,599	\$ 7,687	\$ 12,835	\$ 58,559	

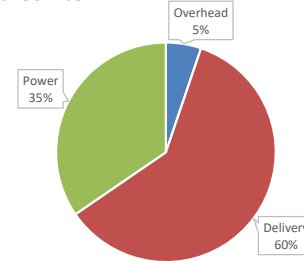
Supplemental: Other				
Participant	RECs	Capacity	Carbon	Total Cost
Arvin-Edison	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	\$ -	\$ -	\$ -	\$ -
Cawelo	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	\$ -	\$ -	\$ -	\$ -
James	\$ -	\$ -	\$ -	\$ -
Lower Tule	\$ -	\$ -	\$ -	\$ -
Princeton	\$ -	\$ -	\$ -	\$ -
RD108	\$ -	\$ -	\$ -	\$ -
Santa Clara	\$ 8,612	\$ -	\$ -	\$ 8,612
Sonoma	\$ -	\$ -	\$ -	\$ -
West Stan	\$ -	\$ -	\$ -	\$ -
Westlands	\$ -	\$ -	\$ -	\$ -
Zone 7	\$ -	\$ -	\$ -	\$ -
PWRPA	\$ 8,612	\$ -	\$ -	\$ 8,612

**Power Water Resources Pooling Authority**  
April 2023

Operations Reconciliation Summary: April 2023													
Participant	DLF Adjusted Energy (kWh)	Overhead			Delivery			Power				Total Costs	
		JPA Mgmt	Metering	ASA Utility Mgmt & Operations	Distribution	Transmission	Grid Mgmt	Load Cost	District-Specific Projects	Base Resource (w/ DP & Pooling)	Special Project Generation		Supplemental
Arvin-Edison	11,096,711	\$ 650	\$ 5,909	\$ 23,191	\$ 322,703	\$ 386,806	\$ 83,223	\$ 576,510	\$ -	\$ (236,289)	\$ 195,302	\$ -	\$ 1,358,004
Banta-Carbona	824,162	\$ 650	\$ 91	\$ 5,563	\$ -	\$ 28,728	\$ 6,203	\$ 42,394	\$ -	\$ (20,898)	\$ 21,649	\$ -	\$ 84,380
Byron-Bethany	212,002	\$ 650	\$ 91	\$ 3,404	\$ 7,468	\$ 7,390	\$ 1,549	\$ 11,331	\$ -	\$ (9,549)	\$ 6,608	\$ -	\$ 28,941
Cawelo	1,047,845	\$ 650	\$ 455	\$ 5,049	\$ 58,192	\$ 36,525	\$ 7,876	\$ 55,694	\$ -	\$ (19,491)	\$ 41,714	\$ -	\$ 186,664
Glenn-Colusa	293,834	\$ 650	\$ 1,182	\$ 4,242	\$ 6,073	\$ 10,194	\$ 2,141	\$ 14,154	\$ -	\$ (13,552)	\$ 19,952	\$ -	\$ 45,035
James	16,020	\$ 650	\$ 182	\$ 3,372	\$ 1,851	\$ 558	\$ 116	\$ 778	\$ -	\$ (2,161)	\$ 8,945	\$ -	\$ 14,291
Lower Tule	771,906	\$ 650	\$ 91	\$ 4,466	\$ 32,832	\$ 26,907	\$ 5,846	\$ 41,299	\$ -	\$ (12,165)	\$ -	\$ -	\$ 99,926
Princeton	158,758	\$ 650	\$ 91	\$ 3,356	\$ 23,177	\$ 2,295	\$ 1,166	\$ 7,689	\$ -	\$ (4,083)	\$ 9,744	\$ -	\$ 44,085
RD108	50,127	\$ 650	\$ 273	\$ 3,404	\$ 5,528	\$ 1,747	\$ 366	\$ 2,561	\$ -	\$ (2,591)	\$ 8,163	\$ -	\$ 20,102
Santa Clara	1,726,586	\$ 650	\$ 818	\$ 6,563	\$ 105,435	\$ 34,823	\$ 13,075	\$ 90,867	\$ -	\$ (24,221)	\$ 34,093	\$ 8,488	\$ 270,591
Sonoma	1,793,694	\$ 650	\$ 1,818	\$ 8,151	\$ 46,118	\$ 62,524	\$ 13,571	\$ 89,667	\$ 2,177	\$ (28,107)	\$ 66,236	\$ -	\$ 262,806
West Stan	101,306	\$ 650	\$ 91	\$ 4,864	\$ 16,900	\$ 1,465	\$ 728	\$ 5,169	\$ -	\$ (15,740)	\$ 16,948	\$ -	\$ 31,076
Westlands	2,962,118	\$ 650	\$ 46,907	\$ 21,716	\$ 407,280	\$ 103,253	\$ 21,871	\$ 159,204	\$ (21,896)	\$ (187,770)	\$ 160,416	\$ -	\$ 711,630
Zone 7	442,089	\$ 650	\$ 455	\$ 4,048	\$ 52,725	\$ 8,972	\$ 3,357	\$ 22,897	\$ -	\$ (5,525)	\$ 8,331	\$ -	\$ 95,910
<b>TOTAL</b>	<b>21,497,159</b>	<b>\$ 9,101</b>	<b>\$ 58,452</b>	<b>\$ 101,390</b>	<b>\$ 1,086,282</b>	<b>\$ 712,187</b>	<b>\$ 161,087</b>	<b>\$ 1,120,216</b>	<b>\$ (19,719)</b>	<b>\$ (582,143)</b>	<b>\$ 598,101</b>	<b>\$ 8,488</b>	<b>\$ 3,253,442</b>
Percent of total cost		0.28%	1.80%	3.12%	33.39%	21.89%	4.95%	34.43%	-0.61%	-17.89%	18.38%	0.26%	100.00%
Reference Index	10	11	12	13	14	15	16	17	18	19	20	21	22

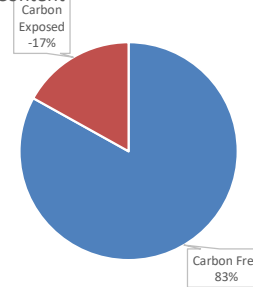
Summary of Costs as a Rate per Metered Energy (Cents per kWh)									
Participant	Metered Energy (kWh)	Cents per kWh							
		Overhead	Distribution	Transmission	Grid Mgmt	Load	Power Resources	Composite Rate	
Arvin-Edison	10,852,349	\$ 0.27	\$ 2.97	\$ 3.56	\$ 0.77	\$ 5.31	\$ (0.38)	\$ 12.51	
Banta-Carbona	824,162	\$ 0.76	\$ -	\$ 3.49	\$ 0.75	\$ 5.14	\$ 0.09	\$ 10.24	
Byron-Bethany	208,368	\$ 1.99	\$ 3.58	\$ 3.55	\$ 0.74	\$ 5.44	\$ (1.41)	\$ 13.89	
Cawelo	983,413	\$ 0.63	\$ 5.92	\$ 3.71	\$ 0.80	\$ 5.66	\$ 2.26	\$ 18.98	
Glenn-Colusa	293,141	\$ 2.07	\$ 2.07	\$ 3.48	\$ 0.73	\$ 4.83	\$ 2.18	\$ 15.36	
James	15,751	\$ 26.69	\$ 11.75	\$ 3.55	\$ 0.73	\$ 4.94	\$ 43.07	\$ 90.73	
Lower Tule	723,850	\$ 0.72	\$ 4.54	\$ 3.72	\$ 0.81	\$ 5.71	\$ (1.68)	\$ 13.80	
Princeton	155,906	\$ 2.63	\$ 14.87	\$ 1.47	\$ 0.75	\$ 4.93	\$ 3.63	\$ 28.28	
RD108	48,057	\$ 9.00	\$ 11.50	\$ 3.64	\$ 0.76	\$ 5.33	\$ 11.59	\$ 41.83	
Santa Clara	1,685,141	\$ 0.48	\$ 6.26	\$ 2.07	\$ 0.78	\$ 5.39	\$ 1.09	\$ 16.06	
Sonoma	1,768,767	\$ 0.60	\$ 2.61	\$ 3.53	\$ 0.77	\$ 5.07	\$ 2.28	\$ 14.86	
West Stan	99,594	\$ 5.63	\$ 16.97	\$ 1.47	\$ 0.73	\$ 5.19	\$ 1.21	\$ 31.20	
Westlands	2,818,912	\$ 2.46	\$ 14.45	\$ 3.66	\$ 0.78	\$ 5.65	\$ (1.75)	\$ 25.24	
Zone 7	434,660	\$ 1.19	\$ 12.13	\$ 2.06	\$ 0.77	\$ 5.27	\$ 0.65	\$ 22.07	
<b>PWRPA</b>	<b>20,912,073</b>	<b>\$ 0.81</b>	<b>\$ 5.19</b>	<b>\$ 3.41</b>	<b>\$ 0.77</b>	<b>\$ 5.36</b>	<b>\$ 0.02</b>	<b>\$ 15.56</b>	
Reference Index	24			25				26	

Cost of Service



Summary of Energy Portfolio								
Participant	DLF Adjusted Energy (kWh)	Hydro	Solar	Lodi	Secured Supplemental	Total Resources	Net Short/(Long)	Carbon Free Load
Banta-Carbona	824,162	549,203	545,420	101	-	1,094,723	(270,561)	133%
Byron-Bethany	212,002	206,099	69,883	47	-	276,029	(64,027)	130%
Cawelo	1,047,845	713,330	1,130,628	85	-	1,844,043	(796,198)	176%
Glenn-Colusa	293,834	293,584	307,453	57	-	601,093	(307,259)	205%
James	16,020	17,498	95,052	45	-	112,595	(96,575)	703%
Lower Tule	771,906	463,565	-	-	-	463,565	308,341	60%
Princeton	158,758	146,147	104,612	47	-	250,806	(92,048)	158%
RD108	50,127	49,010	134,923	25	-	183,958	(133,831)	367%
Santa Clara	1,726,586	1,038,546	619,785	72	-	1,658,403	68,182	96%
Sonoma	1,793,694	1,096,528	1,143,464	-	-	2,239,991	(446,297)	125%
West Stan	101,306	115,276	465,886	57	-	581,218	(479,912)	574%
Westlands	2,962,118	2,954,360	2,738,650	327	-	5,693,337	(2,731,218)	192%
Zone 7	442,089	253,339	186,839	-	-	440,178	1,911	100%
<b>PWRPA</b>	<b>21,497,159</b>	<b>15,703,000</b>	<b>11,298,249</b>	<b>1,130</b>	<b>-</b>	<b>27,002,379</b>	<b>(5,505,220)</b>	<b>126%</b>
Percent of DLF Adjusted Energy:		73%	53%	0%	0%	126%		

Portfolio Content



**Load: Day-ahead Schedule and Realtime Imbalance**

Participant	Metered (kWh)	DLF Adjusted Energy (kWh)	DLF Factor	Peak (kW)	ISO Load Cost (\$)	Rate (\$/MWh)
Arvin-Edison	10,852,349	11,096,711	2.3%	30,268	\$ 576,510	\$ 51.95
Banta-Carbona	824,162	824,162	0.0%	2,737	\$ 42,394	\$ 51.44
Byron-Bethany	208,368	212,002	1.7%	464	\$ 11,331	\$ 53.45
Cawelo	983,413	1,047,845	6.6%	3,549	\$ 55,694	\$ 53.15
Glenn-Colusa	293,141	293,834	0.2%	1,866	\$ 14,154	\$ 48.17
James	15,751	16,020	1.7%	115	\$ 778	\$ 48.55
Lower Tule	723,850	771,906	6.6%	1,984	\$ 41,299	\$ 53.50
Princeton	155,906	158,758	1.8%	1,441	\$ 7,689	\$ 48.43
RD108	48,057	50,127	4.3%	327	\$ 2,561	\$ 51.09
Santa Clara	1,685,141	1,726,586	2.5%	4,898	\$ 90,867	\$ 52.63
Sonoma	1,768,767	1,793,694	1.4%	5,933	\$ 89,667	\$ 49.99
West Stan	99,594	101,306	1.7%	1,050	\$ 5,169	\$ 51.03
Westlands	2,818,912	2,962,118	5.1%	15,830	\$ 159,204	\$ 53.75
Zone 7	434,660	442,089	1.7%	2,010	\$ 22,897	\$ 51.79
PWRPA	20,912,073	21,497,159	2.8%	72,472	\$ 1,120,216	\$ 52.11

**District-Specific Projects: WSH (100% SCWA) and BOR (100% WWD)**

Participant	Energy (kWh)	Vendor Cost (\$)	ISO Credit (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ 2,177	\$ 2,177	\$ -	\$ -
West Stan	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Westlands	390,000	\$ -	\$ (22,992)	\$ 1,096	\$ (21,896)	\$ 2.81	\$ (58.95)
Zone 7	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
PWRPA	390,000	\$ -	\$ (22,992)	\$ 3,273	\$ (19,719)	\$ 8.39	\$ (58.95)

**Base Resource - Import, Displacement and Pooling**

Participant	ISO Import			Displacement			Pooling			WAPA Cost (\$)	Overhead (\$)	Resource Net			
	Energy (kWh)	ISO Settlement (\$)		Energy (kWh)	ISO Settlement (\$)	CVP Settlement (\$)	Energy (kWh)	Contract Cost/ (Credit)	ISO Settlement			Energy (kWh)	Cost / (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	3,045,847	\$ (203,432)		1,393,199	\$ (68,502)	\$ (27,178)	3,367,471	\$ 144,590	\$ (200,399)	\$ 117,032	\$ 1,600	7,806,518	\$ (236,289)	\$ 33.72	\$ (63.99)
Banta-Carbona	375,654	\$ (25,090)		171,827	\$ (8,449)	\$ (1,912)	1,721	\$ 125	\$ (204)	\$ 14,434	\$ 197	549,203	\$ (20,898)	\$ 26.87	\$ (64.92)
Byron-Bethany	203,062	\$ (13,562)		92,883	\$ (4,567)	\$ (718)	(89,846)	\$ (3,757)	\$ 5,146	\$ 7,802	\$ 107	206,099	\$ (9,549)	\$ 20.14	\$ (66.48)
Cawelo	180,400	\$ (12,049)		82,517	\$ (4,057)	\$ (2,483)	450,413	\$ 19,803	\$ (27,730)	\$ 6,932	\$ 95	713,330	\$ (19,491)	\$ 37.61	\$ (64.93)
Glenn-Colusa	339,409	\$ (22,669)		155,249	\$ (7,633)	\$ (1,022)	(201,074)	\$ (9,854)	\$ 14,407	\$ 13,041	\$ 178	293,584	\$ (13,552)	\$ 11.46	\$ (57.62)
James	71,869	\$ (4,800)		32,873	\$ (1,616)	\$ (61)	(87,244)	\$ (3,817)	\$ 5,334	\$ 2,761	\$ 38	17,498	\$ (2,161)	\$ (58.17)	\$ (65.35)
Lower Tule	92,798	\$ (6,198)		42,447	\$ (2,087)	\$ (1,614)	328,320	\$ 14,537	\$ (20,417)	\$ 3,566	\$ 49	463,565	\$ (12,165)	\$ 39.16	\$ (65.40)
Princeton	76,141	\$ (5,085)		34,828	\$ (1,712)	\$ (509)	35,178	\$ 669	\$ (411)	\$ 2,926	\$ 40	146,147	\$ (4,083)	\$ 24.87	\$ (52.81)
RD108	60,826	\$ (4,063)		27,823	\$ (1,368)	\$ (171)	(39,639)	\$ (1,686)	\$ 2,326	\$ 2,337	\$ 32	49,010	\$ (2,591)	\$ 13.94	\$ (66.82)
Santa Clara	153,394	\$ (10,245)		70,164	\$ (3,450)	\$ (3,616)	814,988	\$ 34,371	\$ (47,255)	\$ 5,894	\$ 81	1,038,546	\$ (24,221)	\$ 38.85	\$ (62.17)
Sonoma	280,517	\$ (18,736)		128,311	\$ (6,309)	\$ (3,818)	687,700	\$ 28,301	\$ (38,471)	\$ 10,778	\$ 147	1,096,528	\$ (28,107)	\$ 35.77	\$ (61.41)
West Stan	527,950	\$ (35,262)		241,489	\$ (11,874)	\$ (401)	(654,164)	\$ (28,480)	\$ 39,714	\$ 20,286	\$ 277	115,276	\$ (15,740)	\$ (68.68)	\$ (67.86)
Westlands	5,076,427	\$ (339,054)		2,322,005	\$ (114,170)	\$ (8,928)	(4,834,072)	\$ (204,107)	\$ 280,768	\$ 195,053	\$ 2,667	2,564,360	\$ (187,770)	\$ (2.49)	\$ (70.73)
Zone 7	22,705	\$ (1,516)		10,386	\$ (511)	\$ (882)	220,248	\$ 9,307	\$ (12,807)	\$ 872	\$ 12	253,339	\$ (5,525)	\$ 40.23	\$ (62.04)
PWRPA	10,507,000	\$ (701,760)		4,806,000	\$ (236,305)	\$ (53,312)	0	\$ -	\$ -	\$ 403,714	\$ 5,521	15,313,000	\$ (582,143)	\$ 26.72	\$ (64.74)

Specific Projects: Astoria							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	1,138,431	\$ 71,719	\$ (8,729)	\$ 924	\$ 63,915	\$ 63.81	\$ (7.67)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	177,834	\$ 11,203	\$ (1,363)	\$ 144	\$ 9,984	\$ 63.81	\$ (7.67)
Glenn-Colusa	94,083	\$ 5,927	\$ (721)	\$ 76	\$ 5,282	\$ 63.81	\$ (7.67)
James	23,929	\$ 1,507	\$ (183)	\$ 19	\$ 1,343	\$ 63.81	\$ (7.67)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	33,489	\$ 2,110	\$ (257)	\$ 27	\$ 1,880	\$ 63.81	\$ (7.67)
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	119,021	\$ 7,498	\$ (913)	\$ 97	\$ 6,682	\$ 63.81	\$ (7.67)
Sonoma	310,986	\$ 19,592	\$ (2,384)	\$ 253	\$ 17,460	\$ 63.81	\$ (7.67)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	1,026,476	\$ 64,666	\$ (7,870)	\$ 834	\$ 57,630	\$ 63.81	\$ (7.67)
Zone 7	44,592	\$ 2,809	\$ (342)	\$ 36	\$ 2,504	\$ 63.81	\$ (7.67)
PWRPA	2,968,840	\$ 187,032	\$ (22,763)	\$ 2,411	\$ 166,680	\$ 63.81	\$ (7.67)

Specific Projects: Whitney Point							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	799,109	\$ 46,948	\$ (6,451)	\$ 13,638	\$ 54,135	\$ 75.82	\$ (8.07)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	68,489	\$ 4,024	\$ (553)	\$ 1,169	\$ 4,640	\$ 75.82	\$ (8.07)
James	22,830	\$ 1,341	\$ (184)	\$ 390	\$ 1,547	\$ 75.82	\$ (8.07)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	22,830	\$ 1,341	\$ (184)	\$ 390	\$ 1,547	\$ 75.82	\$ (8.07)
RD108	57,086	\$ 3,354	\$ (461)	\$ 974	\$ 3,867	\$ 75.82	\$ (8.07)
Santa Clara	171,234	\$ 10,060	\$ (1,382)	\$ 2,922	\$ 11,600	\$ 75.82	\$ (8.07)
Sonoma	639,302	\$ 37,559	\$ (5,161)	\$ 10,911	\$ 43,309	\$ 75.82	\$ (8.07)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	684,961	\$ 40,241	\$ (5,530)	\$ 11,690	\$ 46,402	\$ 75.82	\$ (8.07)
Zone 7	45,659	\$ 2,682	\$ (369)	\$ 779	\$ 3,093	\$ 75.82	\$ (8.07)
PWRPA	2,511,499	\$ 147,551	\$ (20,275)	\$ 42,863	\$ 170,139	\$ 75.82	\$ (8.07)

Specific Projects: Slate												
Participant	Solar Energy (kWh)	Solar Cost (\$)	Solar ISO Settlement (\$)	Solar Overhead (\$)	Battery Energy (kWh)	Battery Cost (\$)	Battery ISO Settlement (\$)	Battery Overhead (\$)	Net Energy (kWh)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	1,738,581	\$ 55,727	\$ (16,372)	\$ 9,857	79,534	\$ 6,405	\$ (6,745)	\$ 443	1,818,115	\$ 49,314	\$ 39.84	\$ (12.71)
Banta-Carbona	386,351	\$ 12,384	\$ (3,638)	\$ 2,190	159,069	\$ 12,810	\$ (13,490)	\$ 886	545,420	\$ 11,142	\$ 51.83	\$ (31.40)
Byron-Bethany	57,953	\$ 1,858	\$ (546)	\$ 329	11,930	\$ 961	\$ (1,012)	\$ 66	69,883	\$ 1,656	\$ 45.98	\$ (22.29)
Cawelo	801,679	\$ 25,696	\$ (7,549)	\$ 4,545	151,115	\$ 12,169	\$ (12,815)	\$ 842	952,794	\$ 22,887	\$ 45.39	\$ (21.37)
Glenn-Colusa	144,882	\$ 4,644	\$ (1,364)	\$ 821	-	\$ -	\$ -	\$ -	144,882	\$ 4,101	\$ 37.72	\$ (9.42)
James	48,294	\$ 1,548	\$ (455)	\$ 274	-	\$ -	\$ -	\$ -	48,294	\$ 1,367	\$ 37.72	\$ (9.42)
Lower Tule	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	48,294	\$ 1,548	\$ (455)	\$ 274	-	\$ -	\$ -	\$ -	48,294	\$ 1,367	\$ 37.72	\$ (9.42)
RD108	57,953	\$ 1,858	\$ (546)	\$ 329	19,884	\$ 1,601	\$ (1,686)	\$ 111	77,836	\$ 1,666	\$ 50.08	\$ (28.67)
Santa Clara	289,763	\$ 9,288	\$ (2,729)	\$ 1,643	39,767	\$ 3,202	\$ (3,372)	\$ 221	329,531	\$ 8,253	\$ 43.56	\$ (18.51)
Sonoma	193,176	\$ 6,192	\$ (1,819)	\$ 1,095	-	\$ -	\$ -	\$ -	193,176	\$ 5,468	\$ 37.72	\$ (9.42)
West Stan	386,351	\$ 12,384	\$ (3,638)	\$ 2,190	79,534	\$ 6,405	\$ (6,745)	\$ 443	465,886	\$ 11,039	\$ 45.98	\$ (22.29)
Westlands	772,703	\$ 24,768	\$ (7,277)	\$ 4,381	254,510	\$ 20,495	\$ (21,584)	\$ 1,417	1,027,212	\$ 22,201	\$ 49.71	\$ (28.10)
Zone 7	96,588	\$ 3,096	\$ (910)	\$ 548	-	\$ -	\$ -	\$ -	96,588	\$ 2,734	\$ 37.72	\$ (9.42)
PWRPA	5,022,567	\$ 160,989	\$ (47,298)	\$ 28,475	795,343	\$ 64,048	\$ (67,449)	\$ 4,429	5,817,910	\$ 143,195	\$ 44.34	\$ (19.72)

Specific Projects: Lodi Energy Center								
Participant	Energy (kWh)	Debt Cost (\$)	Energy & GHG Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	267	\$ 15,696	\$ 11,802	\$ (18)	\$ 458	\$ 27,938	\$ 104,570.14	\$ (68.07)
Banta-Carbona	101	\$ 5,903	\$ 4,438	\$ (7)	\$ 172	\$ 10,507	\$ 104,570.14	\$ (68.07)
Byron-Bethany	47	\$ 2,782	\$ 2,092	\$ (3)	\$ 81	\$ 4,952	\$ 104,570.14	\$ (68.07)
Cawelo	85	\$ 4,968	\$ 3,735	\$ (6)	\$ 145	\$ 8,843	\$ 104,570.14	\$ (68.07)
Glenn-Colusa	57	\$ 3,331	\$ 2,505	\$ (4)	\$ 97	\$ 5,929	\$ 104,570.14	\$ (68.07)
James	45	\$ 2,634	\$ 1,980	\$ (3)	\$ 77	\$ 4,688	\$ 104,570.14	\$ (68.07)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	47	\$ 2,781	\$ 2,091	\$ (3)	\$ 81	\$ 4,950	\$ 104,570.14	\$ (68.07)
RD108	25	\$ 1,478	\$ 1,111	\$ (2)	\$ 43	\$ 2,630	\$ 104,570.14	\$ (68.07)
Santa Clara	72	\$ 4,246	\$ 3,192	\$ (5)	\$ 124	\$ 7,557	\$ 104,570.14	\$ (68.07)
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	57	\$ 3,320	\$ 2,496	\$ (4)	\$ 97	\$ 5,910	\$ 104,570.14	\$ (68.07)
Westlands	327	\$ 19,205	\$ 14,440	\$ (22)	\$ 561	\$ 34,183	\$ 104,570.14	\$ (68.07)
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	1,130	\$ 66,344	\$ 49,883	\$ (77)	\$ 1,937	\$ 118,087	\$ 104,570.14	\$ (68.07)

Supplemental: Fixed Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

Supplemental: Variable Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

CAISO Grid Management & Misc						
Participant	Special Charges		Misc Charges			
	Operating Reserves	IFM Uplift Obligation'	Other	GMC	Residual	
Arvin-Edison	\$ 1,647	\$ 713	\$ 5,566	\$ 9,594	\$ 65,703	
Banta-Carbona	\$ 138	\$ 60	\$ 413	\$ 713	\$ 4,880	
Byron-Bethany	\$ 3	\$ 1	\$ 106	\$ 183	\$ 1,255	
Cawelo	\$ 167	\$ 72	\$ 526	\$ 906	\$ 6,204	
Glenn-Colusa	\$ 0	\$ 0	\$ 147	\$ 254	\$ 1,740	
James	\$ (1)	\$ (0)	\$ 8	\$ 14	\$ 95	
Lower Tule	\$ 154	\$ 67	\$ 387	\$ 667	\$ 4,570	
Princeton	\$ 6	\$ 3	\$ 80	\$ 137	\$ 940	
RD108	\$ 1	\$ 0	\$ 25	\$ 43	\$ 297	
Santa Clara	\$ 344	\$ 149	\$ 866	\$ 1,493	\$ 10,223	
Sonoma	\$ 349	\$ 151	\$ 900	\$ 1,551	\$ 10,620	
West Stan	\$ (7)	\$ (3)	\$ 51	\$ 88	\$ 600	
Westlands	\$ 199	\$ 86	\$ 1,486	\$ 2,561	\$ 17,539	
Zone 7	\$ 94	\$ 41	\$ 222	\$ 382	\$ 2,618	
PWRPA	\$ 3,095	\$ 1,340	\$ 10,783	\$ 18,586	\$ 127,284	

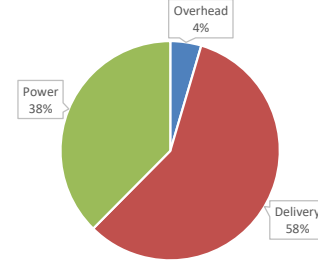
Supplemental: Other				
Participant	RECs	Capacity	Carbon	Total Cost
Arvin-Edison	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	\$ -	\$ -	\$ -	\$ -
Cawelo	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	\$ -	\$ -	\$ -	\$ -
James	\$ -	\$ -	\$ -	\$ -
Lower Tule	\$ -	\$ -	\$ -	\$ -
Princeton	\$ -	\$ -	\$ -	\$ -
RD108	\$ -	\$ -	\$ -	\$ -
Santa Clara	\$ 8,488	\$ -	\$ -	\$ 8,488
Sonoma	\$ -	\$ -	\$ -	\$ -
West Stan	\$ -	\$ -	\$ -	\$ -
Westlands	\$ -	\$ -	\$ -	\$ -
Zone 7	\$ -	\$ -	\$ -	\$ -
PWRPA	\$ 8,488	\$ -	\$ -	\$ 8,488

**Power Water Resources Pooling Authority**  
May 2023

Operations Reconciliation Summary: May 2023													
Participant	DLF Adjusted Energy (kWh)	Overhead			Delivery			Power				Total Costs	
		JPA Mgmt	Metering	ASA Utility Mgmt & Operations	Distribution	Transmission	Grid Mgmt	Load Cost	District-Specific Projects	Base Resource (w/ DP & Pooling)	Special Project Generation		Supplemental
Arvin-Edison	15,008,109	\$ 824	\$ 5,340	\$ 24,436	\$ 333,433	\$ 523,152	\$ 18,814	\$ 273,400	\$ -	\$ 86,481	\$ 215,406	\$ -	\$ 1,481,285
Banta-Carbona	1,215,980	\$ 824	\$ 82	\$ 6,316	\$ -	\$ 42,387	\$ 1,476	\$ 21,678	\$ -	\$ 7,787	\$ 33,632	\$ -	\$ 114,183
Byron-Bethany	324,211	\$ 824	\$ 82	\$ 3,928	\$ 13,388	\$ 11,301	\$ 367	\$ 5,631	\$ -	\$ 2,487	\$ 7,573	\$ -	\$ 45,581
Cawelo	2,630,095	\$ 824	\$ 411	\$ 6,194	\$ 89,235	\$ 91,680	\$ 3,437	\$ 45,098	\$ -	\$ 16,701	\$ 55,287	\$ -	\$ 308,867
Glenn-Colusa	1,697,706	\$ 824	\$ 1,068	\$ 5,513	\$ 24,586	\$ 58,477	\$ 2,112	\$ 30,819	\$ -	\$ 10,559	\$ 21,172	\$ -	\$ 155,131
James	31,651	\$ 824	\$ 164	\$ 3,931	\$ 4,570	\$ 1,103	\$ 27	\$ 509	\$ -	\$ 363	\$ 9,302	\$ -	\$ 20,794
Lower Tule	1,301,711	\$ 824	\$ 82	\$ 5,126	\$ 41,450	\$ 45,375	\$ 1,696	\$ 24,675	\$ -	\$ 7,005	\$ -	\$ -	\$ 126,233
Princeton	821,498	\$ 824	\$ 82	\$ 4,151	\$ 26,551	\$ 11,876	\$ 1,036	\$ 15,114	\$ -	\$ 5,140	\$ 10,189	\$ -	\$ 74,964
RD108	96,954	\$ 824	\$ 246	\$ 3,972	\$ 6,879	\$ 3,380	\$ 110	\$ 1,382	\$ -	\$ 809	\$ 9,794	\$ -	\$ 27,396
Santa Clara	1,863,624	\$ 824	\$ 739	\$ 7,016	\$ 102,998	\$ 39,094	\$ 2,406	\$ 33,091	\$ -	\$ 11,678	\$ 38,794	\$ 11,169	\$ 247,809
Sonoma	2,767,090	\$ 824	\$ 1,643	\$ 9,264	\$ 67,349	\$ 96,455	\$ 3,547	\$ 47,048	\$ 825	\$ 17,687	\$ 70,567	\$ -	\$ 315,209
West Stan	1,148,830	\$ 824	\$ 82	\$ 6,108	\$ 56,513	\$ 16,608	\$ 1,346	\$ 19,760	\$ -	\$ 8,673	\$ 23,202	\$ -	\$ 133,115
Westlands	3,178,458	\$ 824	\$ 42,391	\$ 25,961	\$ 364,922	\$ 110,795	\$ 3,462	\$ 58,544	\$ (11,478)	\$ 26,991	\$ 190,570	\$ -	\$ 812,980
Zone 7	525,377	\$ 824	\$ 411	\$ 4,583	\$ 52,419	\$ 10,450	\$ 684	\$ 9,155	\$ -	\$ 2,992	\$ 8,954	\$ -	\$ 90,471
<b>TOTAL</b>	<b>32,611,294</b>	<b>\$ 11,535</b>	<b>\$ 52,825</b>	<b>\$ 116,496</b>	<b>\$ 1,184,292</b>	<b>\$ 1,062,132</b>	<b>\$ 40,521</b>	<b>\$ 585,904</b>	<b>\$ (10,654)</b>	<b>\$ 205,355</b>	<b>\$ 694,444</b>	<b>\$ 11,169</b>	<b>\$ 3,954,018</b>
Percent of total cost		0.29%	1.34%	2.95%	29.95%	26.86%	1.02%	14.82%	-0.27%	5.19%	17.56%	0.28%	100.00%
Reference Index	10	11	12	13	14	15	16	17	18	19	20	21	22

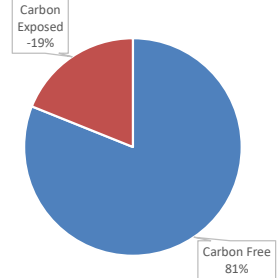
Summary of Costs as a Rate per Metered Energy (Cents per kWh)									
Participant	Metered Energy (kWh)	Cents per kWh							
		Overhead	Distribution	Transmission	Grid Mgmt	Load	Power Resources	Composite Rate	
Arvin-Edison	14,594,784	\$ 0.21	\$ 2.28	\$ 3.58	\$ 0.13	\$ 1.87	\$ 2.07	\$ 10.15	
Banta-Carbona	1,215,980	\$ 0.59	\$ -	\$ 3.49	\$ 0.12	\$ 1.78	\$ 3.41	\$ 9.39	
Byron-Bethany	318,489	\$ 1.52	\$ 4.20	\$ 3.55	\$ 0.12	\$ 1.77	\$ 3.16	\$ 14.31	
Cawelo	2,466,841	\$ 0.30	\$ 3.62	\$ 3.72	\$ 0.14	\$ 1.83	\$ 2.92	\$ 12.52	
Glenn-Colusa	1,682,519	\$ 0.44	\$ 1.46	\$ 3.48	\$ 0.13	\$ 1.83	\$ 1.89	\$ 9.22	
James	31,099	\$ 15.82	\$ 14.69	\$ 3.55	\$ 0.09	\$ 1.64	\$ 31.08	\$ 66.86	
Lower Tule	1,219,861	\$ 0.49	\$ 3.40	\$ 3.72	\$ 0.14	\$ 2.02	\$ 0.57	\$ 10.35	
Princeton	807,073	\$ 0.63	\$ 3.29	\$ 1.47	\$ 0.13	\$ 1.87	\$ 1.90	\$ 9.29	
RD108	93,988	\$ 5.36	\$ 7.32	\$ 3.60	\$ 0.12	\$ 1.47	\$ 11.28	\$ 29.15	
Santa Clara	1,822,762	\$ 0.47	\$ 5.65	\$ 2.14	\$ 0.13	\$ 1.82	\$ 3.38	\$ 13.60	
Sonoma	2,737,015	\$ 0.43	\$ 2.46	\$ 3.52	\$ 0.13	\$ 1.72	\$ 3.25	\$ 11.52	
West Stan	1,128,503	\$ 0.62	\$ 5.01	\$ 1.47	\$ 0.12	\$ 1.75	\$ 2.82	\$ 11.80	
Westlands	2,979,106	\$ 2.32	\$ 12.25	\$ 3.72	\$ 0.12	\$ 1.97	\$ 6.92	\$ 27.29	
Zone 7	516,125	\$ 1.13	\$ 10.16	\$ 2.02	\$ 0.13	\$ 1.77	\$ 2.31	\$ 17.53	
<b>PWRPA</b>	<b>31,614,145</b>	<b>\$ 0.57</b>	<b>\$ 3.75</b>	<b>\$ 3.36</b>	<b>\$ 0.13</b>	<b>\$ 1.85</b>	<b>\$ 2.85</b>	<b>\$ 12.51</b>	
Reference Index	24			25				26	

Cost of Service



Summary of Energy Portfolio							
Participant	DLF Adjusted Energy (kWh)	Hydro	Solar	Lodi	Secured Supplemental	Total Resources	Carbon Free Load
Arvin-Edison	15,008,109	13,013,991	4,481,840	14,200	-	17,510,031	117%
Banta-Carbona	1,215,980	1,132,890	536,016	5,340	-	1,674,247	137%
Byron-Bethany	324,211	345,533	77,925	2,517	-	425,975	131%
Cawelo	2,630,095	2,053,174	1,261,974	4,495	-	3,319,642	126%
Glenn-Colusa	1,697,706	1,498,039	373,669	3,014	-	1,874,722	110%
James	31,651	48,009	116,745	2,383	-	167,137	521%
Lower Tule	1,301,711	1,023,983	-	-	-	1,023,983	79%
Princeton	821,498	701,751	126,793	2,516	-	831,060	101%
RD108	96,954	103,516	151,399	1,337	-	256,252	263%
Santa Clara	1,863,624	1,502,701	726,025	3,841	-	2,232,567	120%
Sonoma	2,767,090	2,272,015	1,382,680	-	-	3,654,695	132%
West Stan	1,148,830	1,148,995	519,497	3,004	-	1,671,495	145%
Westlands	3,178,458	4,284,986	2,999,456	17,374	-	7,301,816	229%
Zone 7	525,377	414,417	230,058	-	-	644,475	123%
<b>PWRPA</b>	<b>32,611,294</b>	<b>29,544,000</b>	<b>12,984,076</b>	<b>60,020</b>	<b>-</b>	<b>42,588,096</b>	<b>130%</b>
Percent of DLF Adjusted Energy:		91%	40%	0%	0%	131%	

Portfolio Content



**Load: Day-ahead Schedule and Realtime Imbalance**

Participant	Metered (kWh)	DLF Adjusted Energy (kWh)	DLF Factor	Peak (kW)	ISO Load Cost (\$)	Rate (\$/MWh)
Arvin-Edison	14,594,784	15,008,109	2.8%	32,128	\$ 273,400	\$ 18.22
Banta-Carbona	1,215,980	1,215,980	0.0%	2,606	\$ 21,678	\$ 17.83
Byron-Bethany	318,489	324,211	1.8%	832	\$ 5,631	\$ 17.37
Cawelo	2,466,841	2,630,095	6.6%	5,482	\$ 45,098	\$ 17.15
Glenn-Colusa	1,682,519	1,697,706	0.9%	3,415	\$ 30,819	\$ 18.15
James	31,099	31,651	1.8%	284	\$ 509	\$ 16.08
Lower Tule	1,219,861	1,301,711	6.7%	2,520	\$ 24,675	\$ 18.96
Princeton	807,073	821,498	1.8%	1,650	\$ 15,114	\$ 18.40
RD108	93,988	96,954	3.2%	411	\$ 1,382	\$ 14.26
Santa Clara	1,822,762	1,863,624	2.2%	4,833	\$ 33,091	\$ 17.76
Sonoma	2,737,015	2,767,090	1.1%	8,001	\$ 47,048	\$ 17.00
West Stan	1,128,503	1,148,830	1.8%	3,512	\$ 19,760	\$ 17.20
Westlands	2,979,106	3,178,458	6.7%	13,453	\$ 58,544	\$ 18.42
Zone 7	516,125	525,377	1.8%	1,994	\$ 9,155	\$ 17.43
PWRPA	31,614,145	32,611,294	3.2%	81,119	\$ 585,904	\$ 17.97

**District-Specific Projects: WSH (100% SCWA) and BOR (100% WWD)**

Participant	Energy (kWh)	Vendor Cost (\$)	ISO Credit (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ 825	\$ 825	\$ -	\$ -
West Stan	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Westlands	682,000	\$ -	\$ (12,574)	\$ 1,096	\$ (11,478)	\$ 1.61	\$ (18.44)
Zone 7	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
PWRPA	682,000	\$ -	\$ (12,574)	\$ 1,921	\$ (10,654)	\$ 2.82	\$ (18.44)

**Base Resource - Import, Displacement and Pooling**

Participant	ISO Import			Displacement			Pooling			WAPA Cost (\$)	Overhead (\$)	Resource Net			
	Energy (kWh)	ISO Settlement (\$)		Energy (kWh)	ISO Settlement (\$)	CVP Settlement (\$)	Energy (kWh)	Contract Cost/ (Credit)	ISO Settlement			Energy (kWh)	Cost / (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	7,444,599	\$ (145,994)		922,132	\$ (11,690)	\$ (9,699)	4,647,259	\$ 126,551	\$ (96,136)	\$ 220,581	\$ 2,868	13,013,991	\$ 86,481	\$ 26.89	\$ (20.25)
Banta-Carbona	918,165	\$ (18,006)		113,729	\$ (1,442)	\$ (844)	100,996	\$ 2,755	\$ (2,235)	\$ 27,205	\$ 354	1,132,890	\$ 7,787	\$ 26.76	\$ (19.88)
Byron-Bethany	496,321	\$ (9,733)		61,477	\$ (779)	\$ (258)	(212,265)	\$ (5,785)	\$ 4,145	\$ 14,706	\$ 191	345,533	\$ 2,487	\$ 26.37	\$ (19.17)
Cawelo	440,931	\$ (8,647)		54,616	\$ (692)	\$ (1,530)	1,557,626	\$ 42,039	\$ (27,703)	\$ 13,065	\$ 170	2,053,174	\$ 16,701	\$ 26.92	\$ (18.79)
Glenn-Colusa	829,577	\$ (16,269)		102,756	\$ (1,303)	\$ (1,116)	565,706	\$ 15,347	\$ (11,000)	\$ 24,580	\$ 320	1,498,039	\$ 10,559	\$ 26.87	\$ (19.82)
James	175,660	\$ (3,445)		21,758	\$ (276)	\$ (36)	(149,409)	\$ (4,055)	\$ 2,903	\$ 5,205	\$ 68	48,009	\$ 363	\$ 25.35	\$ (17.78)
Lower Tule	226,816	\$ (4,448)		28,095	\$ (356)	\$ (763)	769,072	\$ 20,856	\$ (15,091)	\$ 6,720	\$ 87	1,023,983	\$ 7,005	\$ 27.02	\$ (20.17)
Princeton	186,103	\$ (3,650)		23,052	\$ (292)	\$ (523)	492,597	\$ 13,409	\$ (9,389)	\$ 5,514	\$ 72	701,751	\$ 5,140	\$ 27.07	\$ (19.74)
RD108	148,670	\$ (2,916)		18,415	\$ (233)	\$ (77)	(63,570)	\$ (1,734)	\$ 1,307	\$ 4,405	\$ 57	103,516	\$ 809	\$ 26.36	\$ (18.54)
Santa Clara	374,922	\$ (7,352)		46,440	\$ (589)	\$ (1,120)	1,081,339	\$ 29,216	\$ (19,730)	\$ 11,109	\$ 144	1,502,701	\$ 11,678	\$ 26.93	\$ (19.16)
Sonoma	685,634	\$ (13,446)		84,927	\$ (1,077)	\$ (1,693)	1,501,454	\$ 40,641	\$ (27,318)	\$ 20,315	\$ 264	2,272,015	\$ 17,687	\$ 26.95	\$ (19.16)
West Stan	1,290,406	\$ (25,306)		159,837	\$ (2,026)	\$ (856)	(301,248)	\$ (8,416)	\$ 6,545	\$ 38,234	\$ 497	1,148,995	\$ 8,673	\$ 26.38	\$ (18.84)
Westlands	12,407,701	\$ (243,324)		1,536,891	\$ (19,484)	\$ (2,685)	(10,341,606)	\$ (280,327)	\$ 200,394	\$ 367,637	\$ 4,780	3,602,986	\$ 26,991	\$ 25.56	\$ (18.07)
Zone 7	55,496	\$ (1,088)		6,874	\$ (87)	\$ (309)	352,047	\$ 9,503	\$ (6,692)	\$ 1,644	\$ 21	414,417	\$ 2,992	\$ 26.95	\$ (19.73)
PWRPA	25,681,000	\$ (503,623)		3,181,000	\$ (40,326)	\$ (21,510)	0	\$ (0)	\$ 0	\$ 760,921	\$ 9,893	28,862,000	\$ 205,355	\$ 26.71	\$ (19.59)



Specific Projects: Astoria							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	1,196,526	\$ 75,375	\$ (2,314)	\$ 1,194	\$ 74,254	\$ 63.99	\$ (1.93)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	186,908	\$ 11,774	\$ (362)	\$ 186	\$ 11,599	\$ 63.99	\$ (1.93)
Glenn-Colusa	98,884	\$ 6,229	\$ (191)	\$ 99	\$ 6,137	\$ 63.99	\$ (1.93)
James	25,150	\$ 1,584	\$ (49)	\$ 25	\$ 1,561	\$ 63.99	\$ (1.93)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	35,197	\$ 2,217	\$ (68)	\$ 35	\$ 2,184	\$ 63.99	\$ (1.93)
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	125,094	\$ 7,880	\$ (242)	\$ 125	\$ 7,763	\$ 63.99	\$ (1.93)
Sonoma	326,856	\$ 20,590	\$ (632)	\$ 326	\$ 20,284	\$ 63.99	\$ (1.93)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	1,078,858	\$ 67,962	\$ (2,087)	\$ 1,076	\$ 66,952	\$ 63.99	\$ (1.93)
Zone 7	46,868	\$ 2,952	\$ (91)	\$ 47	\$ 2,909	\$ 63.99	\$ (1.93)
PWRPA	3,120,340	\$ 196,565	\$ (6,035)	\$ 3,113	\$ 193,643	\$ 63.99	\$ (1.93)

Specific Projects: Whitney Point							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	1,005,396	\$ 59,067	\$ (8,668)	\$ 5,296	\$ 55,695	\$ 64.02	\$ (8.62)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	86,169	\$ 5,062	\$ (743)	\$ 454	\$ 4,773	\$ 64.02	\$ (8.62)
James	28,723	\$ 1,687	\$ (248)	\$ 151	\$ 1,591	\$ 64.02	\$ (8.62)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	28,723	\$ 1,687	\$ (248)	\$ 151	\$ 1,591	\$ 64.02	\$ (8.62)
RD108	71,823	\$ 4,220	\$ (619)	\$ 378	\$ 3,979	\$ 64.02	\$ (8.62)
Santa Clara	215,437	\$ 12,657	\$ (1,857)	\$ 1,135	\$ 11,934	\$ 64.02	\$ (8.62)
Sonoma	804,336	\$ 47,255	\$ (6,934)	\$ 4,237	\$ 44,557	\$ 64.02	\$ (8.62)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	861,781	\$ 50,630	\$ (7,429)	\$ 4,539	\$ 47,739	\$ 64.02	\$ (8.62)
Zone 7	57,446	\$ 3,375	\$ (495)	\$ 303	\$ 3,182	\$ 64.02	\$ (8.62)
PWRPA	3,159,834	\$ 185,640	\$ (27,241)	\$ 16,644	\$ 175,043	\$ 64.02	\$ (8.62)

Specific Projects: Slate												
Participant	Solar Energy (kWh)	Solar Cost (\$)	Solar ISO Settlement (\$)	Solar Overhead (\$)	Battery Energy (kWh)	Battery Cost (\$)	Battery ISO Settlement (\$)	Battery Overhead (\$)	Net Energy (kWh)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	2,263,399	\$ 63,667	\$ (17,044)	\$ 4,910	16,519	\$ 5,497	\$ (180)	\$ 485	2,279,919	\$ 57,336	\$ 32.70	\$ (7.55)
Banta-Carbona	502,978	\$ 14,148	\$ (3,788)	\$ 1,091	33,039	\$ 10,994	\$ (359)	\$ 970	536,016	\$ 23,057	\$ 50.75	\$ (7.74)
Byron-Bethany	75,447	\$ 2,122	\$ (568)	\$ 164	2,478	\$ 825	\$ (27)	\$ 73	77,925	\$ 2,588	\$ 40.85	\$ (7.64)
Cawelo	1,043,679	\$ 29,358	\$ (7,859)	\$ 2,264	31,387	\$ 10,444	\$ (341)	\$ 921	1,075,065	\$ 34,787	\$ 39.99	\$ (7.63)
Glenn-Colusa	188,617	\$ 5,306	\$ (1,420)	\$ 409	-	\$ -	\$ -	\$ -	188,617	\$ 4,294	\$ 30.30	\$ (7.53)
James	62,872	\$ 1,769	\$ (473)	\$ 136	-	\$ -	\$ -	\$ -	62,872	\$ 1,431	\$ 30.30	\$ (7.53)
Lower Tule	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	62,872	\$ 1,769	\$ (473)	\$ 136	-	\$ -	\$ -	\$ -	62,872	\$ 1,431	\$ 30.30	\$ (7.53)
RD108	75,447	\$ 2,122	\$ (568)	\$ 164	4,130	\$ 1,374	\$ (45)	\$ 121	79,576	\$ 3,168	\$ 47.52	\$ (7.70)
Santa Clara	377,233	\$ 10,611	\$ (2,841)	\$ 818	8,260	\$ 2,749	\$ (90)	\$ 242	385,493	\$ 11,490	\$ 37.41	\$ (7.60)
Sonoma	251,489	\$ 7,074	\$ (1,894)	\$ 546	-	\$ -	\$ -	\$ -	251,489	\$ 5,726	\$ 30.30	\$ (7.53)
West Stan	502,978	\$ 14,148	\$ (3,788)	\$ 1,091	16,519	\$ 5,497	\$ (180)	\$ 485	519,497	\$ 17,254	\$ 40.85	\$ (7.64)
Westlands	1,005,955	\$ 28,297	\$ (7,575)	\$ 2,182	52,862	\$ 17,590	\$ (575)	\$ 1,552	1,058,817	\$ 41,471	\$ 46.86	\$ (7.70)
Zone 7	125,744	\$ 3,537	\$ (947)	\$ 273	-	\$ -	\$ -	\$ -	125,744	\$ 2,863	\$ 30.30	\$ (7.53)
PWRPA	6,538,709	\$ 183,927	\$ (49,238)	\$ 14,184	165,193	\$ 54,970	\$ (1,795)	\$ 4,849	6,703,902	\$ 206,898	\$ 38.47	\$ (7.61)

Specific Projects: Lodi Energy Center								
Participant	Energy (kWh)	Debt Cost (\$)	Energy & GHG Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	14,200	\$ 15,696	\$ 13,896	\$ (1,873)	\$ 402	\$ 28,121	\$ 2,112.25	\$ (131.91)
Banta-Carbona	5,340	\$ 5,903	\$ 5,226	\$ (704)	\$ 151	\$ 10,576	\$ 2,112.25	\$ (131.91)
Byron-Bethany	2,517	\$ 2,782	\$ 2,463	\$ (322)	\$ 71	\$ 4,984	\$ 2,112.25	\$ (131.91)
Cawelo	4,495	\$ 4,968	\$ 4,398	\$ (593)	\$ 127	\$ 8,901	\$ 2,112.25	\$ (131.91)
Glenn-Colusa	3,014	\$ 3,331	\$ 2,949	\$ (398)	\$ 85	\$ 5,968	\$ 2,112.25	\$ (131.91)
James	2,383	\$ 2,634	\$ 2,332	\$ (314)	\$ 67	\$ 4,719	\$ 2,112.25	\$ (131.91)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	2,516	\$ 2,781	\$ 2,462	\$ (322)	\$ 71	\$ 4,983	\$ 2,112.25	\$ (131.91)
RD108	1,337	\$ 1,478	\$ 1,308	\$ (176)	\$ 38	\$ 2,647	\$ 2,112.25	\$ (131.91)
Santa Clara	3,841	\$ 4,246	\$ 3,759	\$ (507)	\$ 109	\$ 7,606	\$ 2,112.25	\$ (131.91)
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	3,004	\$ 3,320	\$ 2,939	\$ (396)	\$ 85	\$ 5,948	\$ 2,112.25	\$ (131.91)
Westlands	17,374	\$ 19,205	\$ 17,002	\$ (2,292)	\$ 492	\$ 34,407	\$ 2,112.25	\$ (131.91)
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	60,020	\$ 66,344	\$ 58,735	\$ (7,917)	\$ 1,699	\$ 118,860	\$ 2,112.25	\$ (131.91)

Supplemental: Fixed Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

Supplemental: Variable Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

CAISO Grid Management & Misc					
Participant	Special Charges		Misc Charges		
	Operating Reserves	IFM Uplift Obligation'	Other	GMC	Residual
Arvin-Edison	\$ 1,083	\$ 147	\$ 4,962	\$ 12,797	\$ (175)
Banta-Carbona	\$ 45	\$ 6	\$ 402	\$ 1,037	\$ (14)
Byron-Bethany	\$ (12)	\$ (2)	\$ 107	\$ 276	\$ (4)
Cawelo	\$ 313	\$ 42	\$ 870	\$ 2,243	\$ (31)
Glenn-Colusa	\$ 108	\$ 15	\$ 561	\$ 1,448	\$ (20)
James	\$ (9)	\$ (1)	\$ 10	\$ 27	\$ (0)
Lower Tule	\$ 151	\$ 20	\$ 430	\$ 1,110	\$ (15)
Princeton	\$ 65	\$ 9	\$ 272	\$ 700	\$ (10)
RD108	\$ (4)	\$ (0)	\$ 32	\$ 83	\$ (1)
Santa Clara	\$ 196	\$ 27	\$ 616	\$ 1,589	\$ (22)
Sonoma	\$ 269	\$ 36	\$ 915	\$ 2,359	\$ (32)
West Stan	\$ (0)	\$ (0)	\$ 380	\$ 980	\$ (13)
Westlands	\$ (231)	\$ (31)	\$ 1,051	\$ 2,710	\$ (37)
Zone 7	\$ 60	\$ 8	\$ 174	\$ 448	\$ (6)
PWRPA	\$ 2,037	\$ 276	\$ 10,783	\$ 27,806	\$ (381)

Supplemental: Other				
Participant	RECs	Capacity	Carbon	Total Cost
Arvin-Edison	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	\$ -	\$ -	\$ -	\$ -
Cawelo	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	\$ -	\$ -	\$ -	\$ -
James	\$ -	\$ -	\$ -	\$ -
Lower Tule	\$ -	\$ -	\$ -	\$ -
Princeton	\$ -	\$ -	\$ -	\$ -
RD108	\$ -	\$ -	\$ -	\$ -
Santa Clara	\$ 11,169	\$ -	\$ -	\$ 11,169
Sonoma	\$ -	\$ -	\$ -	\$ -
West Stan	\$ -	\$ -	\$ -	\$ -
Westlands	\$ -	\$ -	\$ -	\$ -
Zone 7	\$ -	\$ -	\$ -	\$ -
PWRPA	\$ 11,169	\$ -	\$ -	\$ 11,169

**Power Water Resources Pooling Authority**  
June 2023

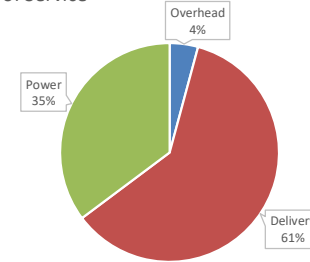
**Operations Reconciliation Summary: June 2023**

Participant	DLF Adjusted Energy (kWh)	Overhead			Delivery			Power				Total Costs	
		JPA Mgmt	Metering	ASA Utility Mgmt & Operations	Distribution	Transmission	Grid Mgmt	Load Cost	District-Specific Projects	Base Resource (w/ DP & Pooling)	Special Project Generation		Supplemental
Arvin-Edison	14,683,509	\$ 643	\$ 5,710	\$ 23,434	\$ 327,593	\$ 511,819	\$ 42,190	\$ 416,189	\$ -	\$ (65,558)	\$ 195,863	\$ -	\$ 1,457,884
Banta-Carbona	2,365,359	\$ 643	\$ 88	\$ 6,361	\$ -	\$ 82,449	\$ 6,817	\$ 66,720	\$ -	\$ (8,723)	\$ 29,632	\$ -	\$ 183,986
Byron-Bethany	570,555	\$ 643	\$ 88	\$ 3,687	\$ 16,974	\$ 19,888	\$ 1,619	\$ 16,648	\$ -	\$ (3,704)	\$ 7,885	\$ -	\$ 63,725
Cawelo	3,275,031	\$ 643	\$ 439	\$ 6,140	\$ 108,753	\$ 114,157	\$ 9,517	\$ 93,039	\$ -	\$ (7,313)	\$ 48,388	\$ -	\$ 373,762
Glenn-Colusa	1,991,815	\$ 643	\$ 1,142	\$ 5,320	\$ 24,122	\$ 68,732	\$ 5,738	\$ 55,050	\$ -	\$ (7,498)	\$ 20,323	\$ -	\$ 173,571
James	43,203	\$ 643	\$ 176	\$ 3,553	\$ 3,491	\$ 1,506	\$ 122	\$ 1,159	\$ -	\$ (771)	\$ 9,541	\$ -	\$ 19,419
Lower Tule	1,397,409	\$ 643	\$ 88	\$ 4,770	\$ 42,473	\$ 48,709	\$ 4,062	\$ 39,837	\$ -	\$ (3,501)	\$ -	\$ -	\$ 137,080
Princeton	834,586	\$ 643	\$ 88	\$ 3,811	\$ 23,618	\$ 12,064	\$ 2,419	\$ 23,244	\$ -	\$ (2,230)	\$ 10,349	\$ -	\$ 74,006
RD108	370,665	\$ 643	\$ 264	\$ 3,733	\$ 18,767	\$ 12,920	\$ 1,070	\$ 10,149	\$ -	\$ (1,387)	\$ 9,176	\$ -	\$ 55,334
Santa Clara	2,097,309	\$ 643	\$ 791	\$ 6,631	\$ 113,385	\$ 43,425	\$ 6,081	\$ 59,631	\$ -	\$ (5,216)	\$ 35,836	\$ 7,801	\$ 269,009
Sonoma	3,426,738	\$ 643	\$ 1,757	\$ 9,005	\$ 68,431	\$ 119,445	\$ 9,931	\$ 94,635	\$ 1,067	\$ (8,698)	\$ 62,856	\$ -	\$ 359,071
West Stan	2,117,613	\$ 643	\$ 88	\$ 6,078	\$ 73,059	\$ 30,611	\$ 6,066	\$ 61,933	\$ -	\$ (10,916)	\$ 21,006	\$ -	\$ 188,568
Westlands	3,981,832	\$ 643	\$ 44,979	\$ 26,963	\$ 378,239	\$ 138,794	\$ 11,361	\$ 113,367	\$ (20,957)	\$ (54,177)	\$ 169,984	\$ -	\$ 809,195
Zone 7	439,419	\$ 643	\$ 439	\$ 4,149	\$ 53,236	\$ 9,236	\$ 1,277	\$ 11,982	\$ -	\$ (939)	\$ 7,992	\$ -	\$ 88,013
<b>TOTAL</b>	<b>37,595,043</b>	<b>\$ 8,995</b>	<b>\$ 56,136</b>	<b>\$ 113,635</b>	<b>\$ 1,252,142</b>	<b>\$ 1,213,756</b>	<b>\$ 108,268</b>	<b>\$ 1,063,584</b>	<b>\$ (19,891)</b>	<b>\$ (180,632)</b>	<b>\$ 628,829</b>	<b>\$ 7,801</b>	<b>\$ 4,252,623</b>
Percent of total cost		0.21%	1.32%	2.67%	29.44%	28.54%	2.55%	25.01%	-0.47%	-4.25%	14.79%	0.18%	100.00%
Reference Index	10	11	12	13	14	15	16	17	18	19	20	21	22

**Summary of Costs as a Rate per Metered Energy (Cents per kWh)**

Participant	Metered Energy (kWh)	Cents per kWh							Composite Rate
		Overhead	Distribution	Transmission	Grid Mgmt	Load	Power Resources		
Arvin-Edison	14,265,125	\$ 0.21	\$ 2.30	\$ 3.59	\$ 0.30	\$ 2.92	\$ 0.91	\$ 10.22	
Banta-Carbona	2,365,359	\$ 0.30	\$ -	\$ 3.49	\$ 0.29	\$ 2.82	\$ 0.88	\$ 7.78	
Byron-Bethany	560,234	\$ 0.79	\$ 3.03	\$ 3.55	\$ 0.29	\$ 2.97	\$ 0.75	\$ 11.37	
Cawelo	3,080,040	\$ 0.23	\$ 3.53	\$ 3.71	\$ 0.31	\$ 3.02	\$ 1.33	\$ 12.13	
Glenn-Colusa	1,973,968	\$ 0.36	\$ 1.22	\$ 3.48	\$ 0.29	\$ 2.79	\$ 0.65	\$ 8.79	
James	42,434	\$ 10.30	\$ 8.23	\$ 3.55	\$ 0.29	\$ 2.73	\$ 20.67	\$ 45.76	
Lower Tule	1,308,676	\$ 0.42	\$ 3.25	\$ 3.72	\$ 0.31	\$ 3.04	\$ (0.27)	\$ 10.47	
Princeton	819,550	\$ 0.55	\$ 2.88	\$ 1.47	\$ 0.30	\$ 2.84	\$ 0.99	\$ 9.03	
RD108	354,754	\$ 1.31	\$ 5.29	\$ 3.64	\$ 0.30	\$ 2.86	\$ 2.20	\$ 15.60	
Santa Clara	2,047,571	\$ 0.39	\$ 5.54	\$ 2.12	\$ 0.30	\$ 2.91	\$ 1.88	\$ 13.14	
Sonoma	3,388,471	\$ 0.34	\$ 2.02	\$ 3.53	\$ 0.29	\$ 2.79	\$ 1.63	\$ 10.60	
West Stan	2,079,192	\$ 0.33	\$ 3.51	\$ 1.47	\$ 0.29	\$ 2.98	\$ 0.49	\$ 9.07	
Westlands	3,735,990	\$ 1.94	\$ 10.12	\$ 3.72	\$ 0.30	\$ 3.03	\$ 2.54	\$ 21.66	
Zone 7	431,576	\$ 1.21	\$ 12.34	\$ 2.14	\$ 0.30	\$ 2.78	\$ 1.63	\$ 20.39	
<b>PWRPA</b>	<b>36,452,938</b>	<b>\$ 0.49</b>	<b>\$ 3.43</b>	<b>\$ 3.33</b>	<b>\$ 0.30</b>	<b>\$ 2.92</b>	<b>\$ 1.20</b>	<b>\$ 11.67</b>	
Reference Index	24			25				26	

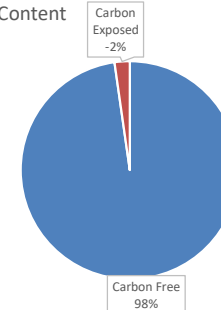
Cost of Service



**Summary of Energy Portfolio**

Participant	DLF Adjusted Energy (kWh)	Hydro	Solar	Lodi	Secured Supplemental	Total Resources	Net Short/(Long)	Carbon Free Load
Banta-Carbona	2,365,359	1,486,429	572,853	23,268	-	2,082,550	282,809	87%
Byron-Bethany	570,555	500,979	82,436	10,966	-	594,382	(23,827)	102%
Cawelo	3,275,031	1,626,285	1,325,076	19,583	-	2,970,943	304,087	90%
Glenn-Colusa	1,991,815	1,267,375	386,485	13,130	-	1,666,990	324,824	83%
James	43,203	43,721	120,939	10,382	-	175,042	(131,839)	381%
Lower Tule	1,397,409	688,116	-	-	-	688,116	709,293	49%
Princeton	834,586	451,636	131,087	10,962	-	593,685	240,901	70%
RD108	370,665	222,625	159,155	5,824	-	387,604	(16,939)	103%
Santa Clara	2,097,309	1,114,401	755,848	16,735	-	1,886,984	210,325	89%
Sonoma	3,426,738	1,852,120	1,426,368	-	-	3,278,487	148,251	96%
West Stan	2,117,613	1,537,229	549,575	13,087	-	2,099,891	17,722	99%
Westlands	3,981,832	4,015,083	3,109,337	75,700	-	7,200,121	(3,218,288)	179%
Zone 7	439,419	219,578	238,411	-	-	457,988	(18,569)	104%
<b>PWRPA</b>	<b>37,595,043</b>	<b>24,977,000</b>	<b>13,499,033</b>	<b>261,510</b>	<b>-</b>	<b>38,737,543</b>	<b>(1,142,501)</b>	<b>102%</b>
Percent of DLF Adjusted Energy:		66%	36%	1%	0%	103%		

Portfolio Content



**Load: Day-ahead Schedule and Realtime Imbalance**

Participant	Metered (kWh)	DLF Adjusted Energy (kWh)	DLF Factor	Peak (kW)	ISO Load Cost (\$)	Rate (\$/MWh)
Arvin-Edison	14,265,125	14,683,509	2.9%	32,086	\$ 416,189	\$ 28.34
Banta-Carbona	2,365,359	2,365,359	0.0%	4,238	\$ 66,720	\$ 28.21
Byron-Bethany	560,234	570,555	1.8%	1,055	\$ 16,648	\$ 29.18
Cawelo	3,080,040	3,275,031	6.3%	6,694	\$ 93,039	\$ 28.41
Glenn-Colusa	1,973,968	1,991,815	0.9%	3,856	\$ 55,050	\$ 27.64
James	42,434	43,203	1.8%	216	\$ 1,159	\$ 26.84
Lower Tule	1,308,676	1,397,409	6.8%	2,584	\$ 39,837	\$ 28.51
Princeton	819,550	834,586	1.8%	1,468	\$ 23,244	\$ 27.85
RD108	354,754	370,665	4.5%	1,151	\$ 10,149	\$ 27.38
Santa Clara	2,047,571	2,097,309	2.4%	5,291	\$ 59,631	\$ 28.43
Sonoma	3,388,471	3,426,738	1.1%	8,203	\$ 94,635	\$ 27.62
West Stan	2,079,192	2,117,613	1.8%	4,541	\$ 61,933	\$ 29.25
Westlands	3,735,990	3,981,832	6.6%	14,252	\$ 113,367	\$ 28.47
Zone 7	431,576	439,419	1.8%	2,030	\$ 11,982	\$ 27.27
PWRPA	36,452,938	37,595,043	3.1%	87,665	\$ 1,063,584	\$ 28.29

**District-Specific Projects: WSH (100% SCWA) and BOR (100% WWD)**

Participant	Energy (kWh)	Vendor Cost (\$)	ISO Credit (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	-	\$ -	-	\$ -
Banta-Carbona	-	\$ -	\$ -	-	\$ -	-	\$ -
Byron-Bethany	-	\$ -	\$ -	-	\$ -	-	\$ -
Cawelo	-	\$ -	\$ -	-	\$ -	-	\$ -
Glenn-Colusa	-	\$ -	\$ -	-	\$ -	-	\$ -
James	-	\$ -	\$ -	-	\$ -	-	\$ -
Lower Tule	-	\$ -	\$ -	-	\$ -	-	\$ -
Princeton	-	\$ -	\$ -	-	\$ -	-	\$ -
RD108	-	\$ -	\$ -	-	\$ -	-	\$ -
Santa Clara	-	\$ -	\$ -	-	\$ -	-	\$ -
Sonoma	-	\$ -	\$ -	\$ 1,067	\$ 1,067	-	\$ -
West Stan	-	\$ -	\$ -	-	\$ -	-	\$ -
Westlands	870,000	\$ -	\$ (22,399)	\$ 1,442	\$ (20,957)	\$ 1.66	\$ (25.75)
Zone 7	-	\$ -	\$ -	-	\$ -	-	\$ -
PWRPA	870,000	\$ -	\$ (22,399)	\$ 2,508	\$ (19,891)	\$ 2.88	\$ (25.75)

**Base Resource - Import, Displacement and Pooling**

Participant	ISO Import			Displacement			Pooling			WAPA Cost (\$)	Overhead (\$)	Resource Net			
	Energy (kWh)	ISO Settlement (\$)	CVP Settlement (\$)	Energy (kWh)	ISO Settlement (\$)	CVP Settlement (\$)	Energy (kWh)	Contract Cost/ (Credit)	ISO Settlement			Energy (kWh)	Cost / (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	6,205,621	\$ (210,395)	\$ (8,685)	782,696	\$ (22,754)	\$ (8,685)	2,963,108	\$ 89,842	\$ (100,451)	\$ 184,241	\$ 2,644	9,951,425	\$ (65,558)	\$ 27.81	\$ (34.40)
Banta-Carbona	765,358	\$ (25,949)	\$ (1,297)	96,532	\$ (2,806)	\$ (1,297)	624,538	\$ 18,652	\$ (20,372)	\$ 22,723	\$ 326	1,486,429	\$ (8,723)	\$ 28.05	\$ (33.92)
Byron-Bethany	413,720	\$ (14,027)	\$ (437)	52,181	\$ (1,517)	\$ (437)	35,078	\$ 1,115	\$ (1,298)	\$ 12,283	\$ 176	500,979	\$ (3,704)	\$ 27.10	\$ (34.49)
Cawelo	367,548	\$ (12,461)	\$ (1,419)	46,358	\$ (1,348)	\$ (1,419)	1,212,379	\$ 36,004	\$ (39,157)	\$ 10,912	\$ 157	1,626,285	\$ (7,313)	\$ 28.94	\$ (33.44)
Glenn-Colusa	691,513	\$ (23,445)	\$ (1,106)	87,218	\$ (2,536)	\$ (1,106)	488,643	\$ 14,533	\$ (15,770)	\$ 20,531	\$ 295	1,267,375	\$ (7,498)	\$ 27.90	\$ (33.81)
James	146,425	\$ (4,964)	\$ (38)	18,468	\$ (537)	\$ (38)	(121,173)	\$ (3,627)	\$ 3,986	\$ 4,347	\$ 62	43,721	\$ (771)	\$ 17.90	\$ (35.54)
Lower Tule	189,068	\$ (6,410)	\$ (601)	23,847	\$ (693)	\$ (601)	475,201	\$ 14,278	\$ (15,769)	\$ 5,613	\$ 81	688,116	\$ (3,501)	\$ 29.02	\$ (34.11)
Princeton	155,130	\$ (5,260)	\$ (394)	19,566	\$ (569)	\$ (394)	276,940	\$ 8,216	\$ (8,896)	\$ 4,606	\$ 66	451,636	\$ (2,230)	\$ 28.54	\$ (33.48)
RD108	123,928	\$ (4,202)	\$ (194)	15,631	\$ (454)	\$ (194)	83,067	\$ 2,530	\$ (2,799)	\$ 3,679	\$ 53	222,625	\$ (1,387)	\$ 28.13	\$ (34.36)
Santa Clara	312,525	\$ (10,596)	\$ (973)	39,418	\$ (1,146)	\$ (973)	762,458	\$ 22,570	\$ (24,483)	\$ 9,279	\$ 133	1,114,401	\$ (5,216)	\$ 28.70	\$ (33.38)
Sonoma	571,526	\$ (19,377)	\$ (1,616)	72,085	\$ (2,096)	\$ (1,616)	1,208,509	\$ 35,704	\$ (38,525)	\$ 16,968	\$ 244	1,852,120	\$ (8,698)	\$ 28.57	\$ (33.27)
West Stan	1,075,648	\$ (36,469)	\$ (1,342)	135,668	\$ (3,944)	\$ (1,342)	325,913	\$ 10,181	\$ (11,736)	\$ 31,935	\$ 458	1,537,229	\$ (10,916)	\$ 27.70	\$ (34.80)
Westlands	10,342,730	\$ (350,659)	\$ (2,745)	1,304,497	\$ (37,923)	\$ (2,745)	(8,502,144)	\$ (254,949)	\$ 280,624	\$ 307,069	\$ 4,407	3,145,083	\$ (54,177)	\$ 17.97	\$ (35.20)
Zone 7	46,260	\$ (1,568)	\$ (192)	5,835	\$ (170)	\$ (192)	167,483	\$ 4,951	\$ (5,354)	\$ 1,373	\$ 20	219,578	\$ (939)	\$ 28.89	\$ (33.17)
PWRPA	21,407,000	\$ (725,782)	\$ (21,039)	2,700,000	\$ (78,491)	\$ (21,039)	0	\$ (0)	\$ (0)	\$ 635,560	\$ 9,121	24,107,000	\$ (180,632)	\$ 26.74	\$ (34.24)

Specific Projects: Astoria							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	1,208,513	\$ 76,130	\$ (17,644)	\$ 1,406	\$ 59,892	\$ 64.16	\$ (14.60)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	188,781	\$ 11,892	\$ (2,756)	\$ 220	\$ 9,356	\$ 64.16	\$ (14.60)
Glenn-Colusa	99,874	\$ 6,292	\$ (1,458)	\$ 116	\$ 4,950	\$ 64.16	\$ (14.60)
James	25,402	\$ 1,600	\$ (371)	\$ 30	\$ 1,259	\$ 64.16	\$ (14.60)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	35,550	\$ 2,239	\$ (519)	\$ 41	\$ 1,762	\$ 64.16	\$ (14.60)
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	126,348	\$ 7,959	\$ (1,845)	\$ 147	\$ 6,262	\$ 64.16	\$ (14.60)
Sonoma	330,130	\$ 20,796	\$ (4,820)	\$ 384	\$ 16,361	\$ 64.16	\$ (14.60)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	1,089,666	\$ 68,643	\$ (15,909)	\$ 1,268	\$ 54,002	\$ 64.16	\$ (14.60)
Zone 7	47,337	\$ 2,982	\$ (691)	\$ 55	\$ 2,346	\$ 64.16	\$ (14.60)
PWRPA	3,151,600	\$ 198,534	\$ (46,012)	\$ 3,666	\$ 156,188	\$ 64.16	\$ (14.60)

Specific Projects: Whitney Point							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	1,041,336	\$ 61,178	\$ (11,455)	\$ 1,612	\$ 51,336	\$ 60.30	\$ (11.00)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	89,249	\$ 5,243	\$ (982)	\$ 138	\$ 4,400	\$ 60.30	\$ (11.00)
James	29,750	\$ 1,748	\$ (327)	\$ 46	\$ 1,467	\$ 60.30	\$ (11.00)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	29,750	\$ 1,748	\$ (327)	\$ 46	\$ 1,467	\$ 60.30	\$ (11.00)
RD108	74,391	\$ 4,370	\$ (818)	\$ 115	\$ 3,667	\$ 60.30	\$ (11.00)
Santa Clara	223,139	\$ 13,109	\$ (2,455)	\$ 345	\$ 11,000	\$ 60.30	\$ (11.00)
Sonoma	833,089	\$ 48,944	\$ (9,164)	\$ 1,290	\$ 41,070	\$ 60.30	\$ (11.00)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	892,588	\$ 52,439	\$ (9,819)	\$ 1,382	\$ 44,003	\$ 60.30	\$ (11.00)
Zone 7	59,499	\$ 3,496	\$ (655)	\$ 92	\$ 2,933	\$ 60.30	\$ (11.00)
PWRPA	3,272,790	\$ 192,276	\$ (36,001)	\$ 5,067	\$ 161,342	\$ 60.30	\$ (11.00)

Specific Projects: Slate												
Participant	Solar Energy (kWh)	Solar Cost (\$)	Solar ISO Settlement (\$)	Solar Overhead (\$)	Battery Energy (kWh)	Battery Cost (\$)	Battery ISO Settlement (\$)	Battery Overhead (\$)	Net Energy (kWh)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	2,368,339	\$ 67,143	\$ (25,116)	\$ 6,805	23,278	\$ 5,308	\$ (2,742)	\$ 707	2,391,616	\$ 52,105	\$ 33.43	\$ (11.65)
Banta-Carbona	526,298	\$ 14,921	\$ (5,581)	\$ 1,512	46,555	\$ 10,616	\$ (5,484)	\$ 1,414	572,853	\$ 17,398	\$ 49.69	\$ (19.32)
Byron-Bethany	78,945	\$ 2,238	\$ (837)	\$ 227	3,492	\$ 796	\$ (411)	\$ 106	82,436	\$ 2,119	\$ 40.85	\$ (15.15)
Cawelo	1,092,067	\$ 30,961	\$ (11,581)	\$ 3,138	44,227	\$ 10,086	\$ (5,210)	\$ 1,343	1,136,295	\$ 28,736	\$ 40.07	\$ (14.78)
Glenn-Colusa	197,362	\$ 5,595	\$ (2,093)	\$ 567	-	\$ -	\$ -	\$ -	197,362	\$ 4,069	\$ 31.22	\$ (10.60)
James	65,787	\$ 1,865	\$ (698)	\$ 189	-	\$ -	\$ -	\$ -	65,787	\$ 1,356	\$ 31.22	\$ (10.60)
Lower Tule	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	65,787	\$ 1,865	\$ (698)	\$ 189	-	\$ -	\$ -	\$ -	65,787	\$ 1,356	\$ 31.22	\$ (10.60)
RD108	78,945	\$ 2,238	\$ (837)	\$ 227	5,819	\$ 1,327	\$ (686)	\$ 177	84,764	\$ 2,446	\$ 46.82	\$ (17.96)
Santa Clara	394,723	\$ 11,191	\$ (4,186)	\$ 1,134	11,639	\$ 2,654	\$ (1,371)	\$ 354	406,362	\$ 9,775	\$ 37.73	\$ (13.68)
Sonoma	263,149	\$ 7,460	\$ (2,791)	\$ 756	-	\$ -	\$ -	\$ -	263,149	\$ 5,426	\$ 31.22	\$ (10.60)
West Stan	526,298	\$ 14,921	\$ (5,581)	\$ 1,512	23,278	\$ 5,308	\$ (2,742)	\$ 707	549,575	\$ 14,125	\$ 40.85	\$ (15.15)
Westlands	1,052,595	\$ 29,842	\$ (11,163)	\$ 3,024	74,488	\$ 16,986	\$ (8,775)	\$ 2,263	1,127,083	\$ 32,177	\$ 46.24	\$ (17.69)
Zone 7	131,574	\$ 3,730	\$ (1,395)	\$ 378	-	\$ -	\$ -	\$ -	131,574	\$ 2,713	\$ 31.22	\$ (10.60)
PWRPA	6,841,868	\$ 193,970	\$ (72,558)	\$ 19,658	232,776	\$ 53,082	\$ (27,422)	\$ 7,071	7,074,643	\$ 173,801	\$ 38.70	\$ (14.13)

Specific Projects: Lodi Energy Center								
Participant	Energy (kWh)	Debt Cost (\$)	Energy & GHG Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	61,870	\$ 15,696	\$ 19,680	\$ (3,301)	\$ 455	\$ 32,530	\$ 579.14	\$ (53.36)
Banta-Carbona	23,268	\$ 5,903	\$ 7,401	\$ (1,242)	\$ 171	\$ 12,234	\$ 579.14	\$ (53.36)
Byron-Bethany	10,966	\$ 2,782	\$ 3,488	\$ (585)	\$ 81	\$ 5,766	\$ 579.14	\$ (53.36)
Cawelo	19,583	\$ 4,968	\$ 6,229	\$ (1,045)	\$ 144	\$ 10,296	\$ 579.14	\$ (53.36)
Glenn-Colusa	13,130	\$ 3,331	\$ 4,177	\$ (701)	\$ 97	\$ 6,904	\$ 579.14	\$ (53.36)
James	10,382	\$ 2,634	\$ 3,303	\$ (554)	\$ 76	\$ 5,459	\$ 579.14	\$ (53.36)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	10,962	\$ 2,781	\$ 3,487	\$ (585)	\$ 81	\$ 5,764	\$ 579.14	\$ (53.36)
RD108	5,824	\$ 1,478	\$ 1,853	\$ (311)	\$ 43	\$ 3,062	\$ 579.14	\$ (53.36)
Santa Clara	16,735	\$ 4,246	\$ 5,323	\$ (893)	\$ 123	\$ 8,799	\$ 579.14	\$ (53.36)
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	13,087	\$ 3,320	\$ 4,163	\$ (698)	\$ 96	\$ 6,881	\$ 579.14	\$ (53.36)
Westlands	75,700	\$ 19,205	\$ 24,079	\$ (4,039)	\$ 557	\$ 39,802	\$ 579.14	\$ (53.36)
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	261,510	\$ 66,344	\$ 83,183	\$ (13,953)	\$ 1,924	\$ 137,498	\$ 579.14	\$ (53.36)

Supplemental: Fixed Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

Supplemental: Variable Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

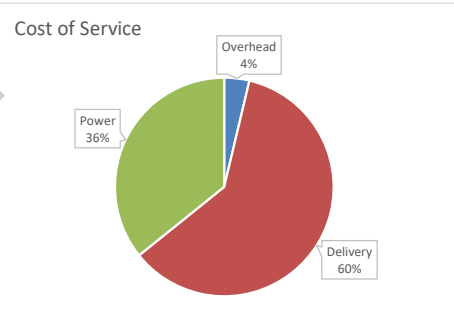
CAISO Grid Management & Misc						
Participant	Special Charges		Misc Charges			
	Operating Reserves	IFM Uplift Obligation'	Other	GMC	Residual	
Arvin-Edison	\$ 279	\$ 572	\$ 4,211	\$ 11,176	\$ 25,951	
Banta-Carbona	\$ 52	\$ 106	\$ 678	\$ 1,800	\$ 4,180	
Byron-Bethany	\$ 4	\$ 8	\$ 164	\$ 434	\$ 1,008	
Cawelo	\$ 97	\$ 199	\$ 939	\$ 2,493	\$ 5,788	
Glenn-Colusa	\$ 43	\$ 88	\$ 571	\$ 1,516	\$ 3,520	
James	\$ (0)	\$ (0)	\$ 12	\$ 33	\$ 76	
Lower Tule	\$ 42	\$ 86	\$ 401	\$ 1,064	\$ 2,470	
Princeton	\$ 23	\$ 46	\$ 239	\$ 635	\$ 1,475	
RD108	\$ 9	\$ 18	\$ 106	\$ 282	\$ 655	
Santa Clara	\$ 58	\$ 119	\$ 602	\$ 1,596	\$ 3,707	
Sonoma	\$ 93	\$ 190	\$ 983	\$ 2,608	\$ 6,056	
West Stan	\$ 34	\$ 70	\$ 607	\$ 1,612	\$ 3,743	
Westlands	\$ 49	\$ 101	\$ 1,142	\$ 3,031	\$ 7,037	
Zone 7	\$ 13	\$ 27	\$ 126	\$ 334	\$ 777	
PWRPA	\$ 796	\$ 1,630	\$ 10,783	\$ 28,614	\$ 66,445	

Supplemental: Other				
Participant	RECs	Capacity	Carbon	Total Cost
Arvin-Edison	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	\$ -	\$ -	\$ -	\$ -
Cawelo	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	\$ -	\$ -	\$ -	\$ -
James	\$ -	\$ -	\$ -	\$ -
Lower Tule	\$ -	\$ -	\$ -	\$ -
Princeton	\$ -	\$ -	\$ -	\$ -
RD108	\$ -	\$ -	\$ -	\$ -
Santa Clara	\$ 7,801	\$ -	\$ -	\$ 7,801
Sonoma	\$ -	\$ -	\$ -	\$ -
West Stan	\$ -	\$ -	\$ -	\$ -
Westlands	\$ -	\$ -	\$ -	\$ -
Zone 7	\$ -	\$ -	\$ -	\$ -
PWRPA	\$ 7,801	\$ -	\$ -	\$ 7,801

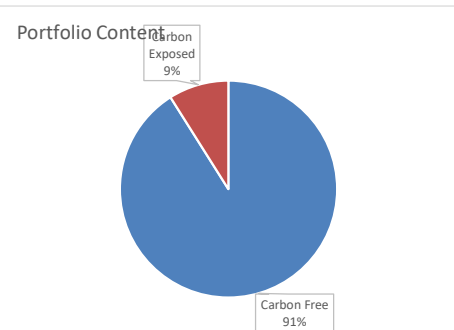
**Power Water Resources Pooling Authority**  
July 2023

Operations Reconciliation Summary: July 2023														
Participant	DLF Adjusted Energy (kWh)	Overhead			Delivery			Power				Total Costs		
		JPA Mgmt	Metering	ASA Utility Mgmt & Operations	Distribution	Transmission	Grid Mgmt	Load Cost	District-Specific Projects	Base Resource (w/ DP & Pooling)	Special Project Generation		Supplemental	
Arvin-Edison	17,252,849	\$ 489	\$ 5,508	\$ 22,376	\$ 340,430	\$ 601,400	\$ 35,156	\$ 992,493	\$ -	\$ (352,321)	\$ 13,224	\$ -	\$ 1,658,756	
Banta-Carbona	2,444,048	\$ 489	\$ 85	\$ 6,205	\$ -	\$ 85,195	\$ 5,084	\$ 136,550	\$ -	\$ (42,866)	\$ 4,054	\$ -	\$ 194,794	
Byron-Bethany	551,498	\$ 489	\$ 85	\$ 3,668	\$ 17,215	\$ 19,224	\$ 1,025	\$ 30,766	\$ -	\$ (18,859)	\$ 2,415	\$ -	\$ 56,028	
Cawelo	4,813,527	\$ 489	\$ 424	\$ 6,387	\$ 103,202	\$ 167,790	\$ 10,471	\$ 280,393	\$ -	\$ (46,806)	\$ (4,468)	\$ -	\$ 517,881	
Glenn-Colusa	2,476,939	\$ 489	\$ 1,102	\$ 5,229	\$ 25,204	\$ 85,498	\$ 5,139	\$ 143,011	\$ -	\$ (42,970)	\$ 3,280	\$ -	\$ 225,983	
James	83,754	\$ 489	\$ 169	\$ 3,611	\$ 9,235	\$ 2,919	\$ 155	\$ 5,236	\$ -	\$ (4,994)	\$ 2,800	\$ -	\$ 19,622	
Lower Tule	1,667,858	\$ 489	\$ 85	\$ 4,779	\$ 42,248	\$ 58,138	\$ 3,613	\$ 97,083	\$ -	\$ (18,384)	\$ -	\$ -	\$ 188,050	
Princeton	828,577	\$ 489	\$ 85	\$ 3,767	\$ 23,554	\$ 11,977	\$ 1,757	\$ 47,061	\$ -	\$ (11,329)	\$ 3,090	\$ -	\$ 80,451	
RD108	625,131	\$ 489	\$ 254	\$ 3,826	\$ 26,822	\$ 21,791	\$ 1,321	\$ 36,310	\$ -	\$ (9,025)	\$ 2,370	\$ -	\$ 84,159	
Santa Clara	2,374,890	\$ 489	\$ 763	\$ 6,511	\$ 91,285	\$ 54,177	\$ 5,103	\$ 139,720	\$ -	\$ (28,334)	\$ 5,027	\$ 12,394	\$ 287,134	
Sonoma	4,154,860	\$ 489	\$ 1,695	\$ 8,829	\$ 51,019	\$ 144,830	\$ 8,908	\$ 238,747	\$ 827	\$ (50,474)	\$ 12,979	\$ -	\$ 417,848	
West Stan	2,696,140	\$ 489	\$ 85	\$ 6,140	\$ 72,705	\$ 38,972	\$ 5,447	\$ 158,615	\$ -	\$ (59,327)	\$ (1,862)	\$ -	\$ 221,264	
Westlands	4,423,167	\$ 489	\$ 43,637	\$ 22,129	\$ 368,120	\$ 154,183	\$ 8,530	\$ 256,630	\$ (57,241)	\$ (298,294)	\$ 41,522	\$ -	\$ 539,705	
Zone 7	460,438	\$ 489	\$ 424	\$ 4,132	\$ 55,812	\$ 10,099	\$ 997	\$ 25,474	\$ -	\$ (4,807)	\$ (654)	\$ -	\$ 91,965	
<b>TOTAL</b>	<b>44,853,675</b>	<b>\$ 6,848</b>	<b>\$ 54,398</b>	<b>\$ 107,589</b>	<b>\$ 1,226,850</b>	<b>\$ 1,456,192</b>	<b>\$ 92,707</b>	<b>\$ 2,588,089</b>	<b>\$ (56,414)</b>	<b>\$ (988,790)</b>	<b>\$ 83,778</b>	<b>\$ 12,394</b>	<b>\$ 4,583,641</b>	
Percent of total cost		0.15%	1.19%	2.35%	26.77%	31.77%	2.02%	56.46%	-1.23%	-21.57%	1.83%	0.27%	100.00%	
Reference Index	10	11	12	13	14	15	16	17	18	19	20	21	22	

Summary of Costs as a Rate per Metered Energy (Cents per kWh)									
Participant	Metered Energy (kWh)	Cents per kWh							
		Overhead	Distribution	Transmission	Grid Mgmt	Load	Power Resources	Composite Rate	
Arvin-Edison	16,729,393	\$ 0.17	\$ 2.03	\$ 3.59	\$ 0.21	\$ 5.93	\$ (2.03)	\$ 9.92	
Banta-Carbona	2,444,048	\$ 0.28	\$ -	\$ 3.49	\$ 0.21	\$ 5.59	\$ (1.59)	\$ 7.97	
Byron-Bethany	540,176	\$ 0.79	\$ 3.19	\$ 3.56	\$ 0.19	\$ 5.70	\$ (3.04)	\$ 10.37	
Cawelo	4,513,306	\$ 0.16	\$ 2.29	\$ 3.72	\$ 0.23	\$ 6.21	\$ (1.14)	\$ 11.47	
Glenn-Colusa	2,449,576	\$ 0.28	\$ 1.03	\$ 3.49	\$ 0.21	\$ 5.84	\$ (1.62)	\$ 9.23	
James	81,997	\$ 5.21	\$ 11.26	\$ 3.56	\$ 0.19	\$ 6.39	\$ (2.68)	\$ 23.93	
Lower Tule	1,554,399	\$ 0.34	\$ 2.72	\$ 3.74	\$ 0.23	\$ 6.25	\$ (1.18)	\$ 12.10	
Princeton	811,480	\$ 0.53	\$ 2.90	\$ 1.48	\$ 0.22	\$ 5.80	\$ (1.02)	\$ 9.91	
RD108	596,023	\$ 0.77	\$ 4.50	\$ 3.66	\$ 0.22	\$ 6.09	\$ (1.12)	\$ 14.12	
Santa Clara	2,323,665	\$ 0.33	\$ 3.93	\$ 2.33	\$ 0.22	\$ 6.01	\$ (0.47)	\$ 12.36	
Sonoma	4,097,510	\$ 0.27	\$ 1.25	\$ 3.53	\$ 0.22	\$ 5.83	\$ (0.89)	\$ 10.20	
West Stan	2,640,263	\$ 0.25	\$ 2.75	\$ 1.48	\$ 0.21	\$ 6.01	\$ (2.32)	\$ 8.38	
Westlands	4,129,760	\$ 1.60	\$ 8.91	\$ 3.73	\$ 0.21	\$ 6.21	\$ (7.60)	\$ 13.07	
Zone 7	451,061	\$ 1.12	\$ 12.37	\$ 2.24	\$ 0.22	\$ 5.65	\$ (1.21)	\$ 20.39	
<b>PWRPA</b>	<b>43,362,656</b>	<b>\$ 0.39</b>	<b>\$ 2.83</b>	<b>\$ 3.36</b>	<b>\$ 0.21</b>	<b>\$ 5.97</b>	<b>\$ (2.19)</b>	<b>\$ 10.57</b>	
Reference Index	24			25				26	



Summary of Energy Portfolio								
Participant	DLF Adjusted Energy (kWh)	Hydro	Solar	Lodi	Secured Supplemental	Total Resources	Net Short/(Long)	Carbon Free Load
Banta-Carbona	2,444,048	1,314,914	610,946	262,395	-	2,188,255	255,792	79%
Byron-Bethany	551,498	488,517	91,563	123,668	-	703,749	(152,251)	105%
Cawelo	4,813,527	1,870,593	1,467,676	220,837	-	3,559,105	1,254,421	69%
Glenn-Colusa	2,476,939	1,352,473	430,430	148,072	-	1,930,975	545,964	72%
James	83,754	74,550	135,071	117,083	-	326,704	(242,950)	250%
Lower Tule	1,667,858	671,872	-	-	-	671,872	995,986	40%
Princeton	828,577	392,460	145,883	123,621	-	661,964	166,612	65%
RD108	625,131	303,333	171,053	65,681	-	540,068	85,064	76%
Santa Clara	2,374,890	1,022,293	830,585	188,724	-	2,041,603	333,287	78%
Sonoma	4,154,860	1,818,773	1,546,312	-	-	3,365,085	789,775	81%
West Stan	2,696,140	1,702,618	610,420	147,582	-	2,460,621	235,519	86%
Westlands	4,423,167	4,423,167	3,335,656	853,673	-	8,612,496	(4,189,329)	175%
Zone 7	460,438	185,881	266,447	-	-	452,329	8,109	98%
<b>PWRPA</b>	<b>44,853,675</b>	<b>26,049,000</b>	<b>14,786,751</b>	<b>2,949,050</b>	<b>-</b>	<b>43,784,801</b>	<b>1,068,873</b>	<b>91%</b>
Percent of DLF Adjusted Energy:		58%	33%	7%	0%	98%		



**Load: Day-ahead Schedule and Realtime Imbalance**

Participant	Metered (kWh)	DLF Adjusted Energy (kWh)	DLF Factor	Peak (kW)	ISO Load Cost (\$)	Rate (\$/MWh)
Arvin-Edison	16,729,393	17,252,849	3.1%	34,058	\$ 992,493	\$ 57.53
Banta-Carbona	2,444,048	2,444,048	0.0%	4,779	\$ 136,550	\$ 55.87
Byron-Bethany	540,176	551,498	2.1%	1,070	\$ 30,766	\$ 55.79
Cawelo	4,513,306	4,813,527	6.7%	6,350	\$ 280,393	\$ 58.25
Glenn-Colusa	2,449,576	2,476,939	1.1%	3,929	\$ 143,011	\$ 57.74
James	81,997	83,754	2.1%	574	\$ 5,236	\$ 62.51
Lower Tule	1,554,399	1,667,858	7.3%	2,570	\$ 97,083	\$ 58.21
Princeton	811,480	828,577	2.1%	1,464	\$ 47,061	\$ 56.80
RD108	596,023	625,131	4.9%	1,502	\$ 36,310	\$ 58.08
Santa Clara	2,323,665	2,374,890	2.2%	4,753	\$ 139,720	\$ 58.83
Sonoma	4,097,510	4,154,860	1.4%	8,213	\$ 238,747	\$ 57.46
West Stan	2,640,263	2,696,140	2.1%	4,519	\$ 158,615	\$ 58.83
Westlands	4,129,760	4,423,167	7.1%	13,513	\$ 256,630	\$ 58.02
Zone 7	451,061	460,438	2.1%	2,129	\$ 25,474	\$ 55.33
PWRPA	43,362,656	44,853,675	3.4%	89,423	\$ 2,588,089	\$ 57.70

**District-Specific Projects: WSH (100% SCWA) and BOR (100% WWD)**

Participant	Energy (kWh)	Vendor Cost (\$)	ISO Credit (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ 827	\$ 827	\$ -	\$ -
West Stan	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Westlands	992,000	\$ -	\$ (58,339)	\$ 1,098	\$ (57,241)	\$ 1.11	\$ (58.81)
Zone 7	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
PWRPA	992,000	\$ -	\$ (58,339)	\$ 1,926	\$ (56,414)	\$ 1.94	\$ (58.81)

**Base Resource - Import, Displacement and Pooling**

Participant	ISO Import			Displacement			Pooling			WAPA Cost (\$)	Overhead (\$)	Resource Net			
	Energy (kWh)	ISO Settlement (\$)	CVP Settlement (\$)	Energy (kWh)	ISO Settlement (\$)	CVP Settlement (\$)	Energy (kWh)	Contract Cost/ (Credit)	ISO Settlement			Energy (kWh)	Cost / (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	6,056,329	\$ (397,322)	\$ (14,890)	1,207,381	\$ (73,100)	\$ (14,890)	3,163,846	\$ 144,577	\$ (205,742)	\$ 191,501	\$ 2,654	10,427,555	\$ (352,321)	\$ 32.48	\$ (66.27)
Banta-Carbona	746,945	\$ (49,003)	\$ (1,878)	148,910	\$ (9,016)	\$ (1,878)	419,059	\$ 17,964	\$ (24,880)	\$ 23,618	\$ 327	1,314,914	\$ (42,866)	\$ 31.87	\$ (64.47)
Byron-Bethany	403,767	\$ (26,489)	\$ (698)	80,494	\$ (4,873)	\$ (698)	4,256	\$ (145)	\$ 402	\$ 12,767	\$ 177	488,517	\$ (18,859)	\$ 26.20	\$ (64.80)
Cawelo	358,706	\$ (23,533)	\$ (2,671)	71,511	\$ (4,330)	\$ (2,671)	1,440,376	\$ 65,746	\$ (93,518)	\$ 11,342	\$ 157	1,870,593	\$ (46,806)	\$ 41.29	\$ (66.32)
Glenn-Colusa	674,877	\$ (44,275)	\$ (1,931)	134,543	\$ (8,146)	\$ (1,931)	543,053	\$ 24,571	\$ (34,825)	\$ 21,340	\$ 296	1,352,473	\$ (42,970)	\$ 34.16	\$ (65.94)
James	142,903	\$ (9,375)	\$ (106)	28,489	\$ (1,725)	\$ (106)	5,815	\$ (4,184)	\$ 5,815	\$ 4,519	\$ 63	74,550	\$ (4,994)	\$ 5.32	\$ (72.31)
Lower Tule	184,519	\$ (12,105)	\$ (959)	36,785	\$ (2,227)	\$ (959)	450,567	\$ 20,886	\$ (29,894)	\$ 5,835	\$ 81	671,872	\$ (18,384)	\$ 39.89	\$ (67.25)
Princeton	151,398	\$ (9,932)	\$ (560)	30,183	\$ (1,827)	\$ (560)	210,879	\$ 9,422	\$ (13,284)	\$ 4,787	\$ 66	392,460	\$ (11,329)	\$ 36.37	\$ (65.24)
RD108	120,946	\$ (7,935)	\$ (433)	24,112	\$ (1,460)	\$ (433)	158,275	\$ 7,248	\$ (10,323)	\$ 3,824	\$ 53	303,333	\$ (9,025)	\$ 36.68	\$ (66.43)
Santa Clara	305,006	\$ (20,010)	\$ (1,460)	60,806	\$ (3,681)	\$ (1,460)	656,481	\$ 30,268	\$ (43,229)	\$ 9,644	\$ 134	1,022,293	\$ (28,334)	\$ 39.17	\$ (66.89)
Sonoma	557,777	\$ (36,593)	\$ (2,597)	111,198	\$ (6,732)	\$ (2,597)	1,149,799	\$ 52,747	\$ (75,181)	\$ 17,637	\$ 244	1,818,773	\$ (50,474)	\$ 38.83	\$ (66.58)
West Stan	1,049,770	\$ (68,870)	\$ (2,431)	209,281	\$ (12,671)	\$ (2,431)	443,567	\$ 20,704	\$ (29,713)	\$ 33,194	\$ 460	1,702,618	\$ (59,327)	\$ 31.93	\$ (66.77)
Westlands	10,093,910	\$ (662,205)	\$ (4,899)	2,012,308	\$ (121,833)	\$ (4,899)	(8,675,051)	\$ (395,760)	\$ 562,809	\$ 319,170	\$ 4,424	3,431,167	\$ (298,294)	\$ (21.03)	\$ (65.90)
Zone 7	45,147	\$ (2,962)	\$ (265)	9,000	\$ (545)	\$ (265)	131,734	\$ 5,956	\$ (8,438)	\$ 1,428	\$ 20	185,881	\$ (4,807)	\$ 39.83	\$ (65.69)
PWRPA	20,892,000	\$ (1,370,607)	\$ (35,780)	4,165,000	\$ (252,165)	\$ (35,780)	(0)	\$ -	\$ -	\$ 660,606	\$ 9,156	25,057,000	\$ (988,790)	\$ 26.73	\$ (66.19)



Specific Projects: Astoria							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	1,287,666	\$ 81,119	\$ (68,361)	\$ 1,103	\$ 13,860	\$ 63.85	\$ (53.09)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	201,145	\$ 12,671	\$ (10,679)	\$ 172	\$ 2,165	\$ 63.85	\$ (53.09)
Glenn-Colusa	106,416	\$ 6,704	\$ (5,649)	\$ 91	\$ 1,145	\$ 63.85	\$ (53.09)
James	27,066	\$ 1,705	\$ (1,437)	\$ 23	\$ 291	\$ 63.85	\$ (53.09)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	37,878	\$ 2,386	\$ (2,011)	\$ 32	\$ 408	\$ 63.85	\$ (53.09)
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	134,623	\$ 8,481	\$ (7,147)	\$ 115	\$ 1,449	\$ 63.85	\$ (53.09)
Sonoma	351,753	\$ 22,159	\$ (18,674)	\$ 301	\$ 3,786	\$ 63.85	\$ (53.09)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	1,161,035	\$ 73,141	\$ (61,638)	\$ 994	\$ 12,497	\$ 63.85	\$ (53.09)
Zone 7	50,437	\$ 3,177	\$ (2,678)	\$ 43	\$ 543	\$ 63.85	\$ (53.09)
PWRPA	3,358,020	\$ 211,544	\$ (178,274)	\$ 2,875	\$ 36,146	\$ 63.85	\$ (53.09)

Specific Projects: Whitney Point							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	1,111,989	\$ 65,329	\$ (48,851)	\$ 418	\$ 16,896	\$ 59.13	\$ (43.93)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	95,304	\$ 5,599	\$ (4,187)	\$ 36	\$ 1,448	\$ 59.13	\$ (43.93)
James	31,768	\$ 1,866	\$ (1,396)	\$ 12	\$ 483	\$ 59.13	\$ (43.93)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	31,768	\$ 1,866	\$ (1,396)	\$ 12	\$ 483	\$ 59.13	\$ (43.93)
RD108	79,438	\$ 4,667	\$ (3,490)	\$ 30	\$ 1,207	\$ 59.13	\$ (43.93)
Santa Clara	238,278	\$ 13,999	\$ (10,468)	\$ 90	\$ 3,621	\$ 59.13	\$ (43.93)
Sonoma	889,612	\$ 52,265	\$ (39,082)	\$ 334	\$ 13,517	\$ 59.13	\$ (43.93)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	953,148	\$ 55,997	\$ (41,873)	\$ 358	\$ 14,483	\$ 59.13	\$ (43.93)
Zone 7	63,536	\$ 3,733	\$ (2,791)	\$ 24	\$ 965	\$ 59.13	\$ (43.93)
PWRPA	3,494,843	\$ 205,322	\$ (153,532)	\$ 1,313	\$ 53,103	\$ 59.13	\$ (43.93)

Specific Projects: Slate												
Participant	Solar Energy (kWh)	Solar Cost (\$)	Solar ISO Settlement (\$)	Solar Overhead (\$)	Battery Energy (kWh)	Battery Cost (\$)	Battery ISO Settlement (\$)	Battery Overhead (\$)	Net Energy (kWh)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	2,744,526	\$ 75,370	\$ (119,188)	\$ 4,899	526	\$ 6,700	\$ (4,285)	\$ 455	2,745,052	\$ (36,050)	\$ 31.85	\$ (44.98)
Banta-Carbona	609,895	\$ 16,749	\$ (26,486)	\$ 1,089	1,052	\$ 13,400	\$ (8,570)	\$ 909	610,946	\$ (2,910)	\$ 52.62	\$ (57.38)
Byron-Bethany	91,484	\$ 2,512	\$ (3,973)	\$ 163	79	\$ 1,005	\$ (643)	\$ 68	91,563	\$ (867)	\$ 40.94	\$ (50.41)
Cawelo	1,265,531	\$ 34,754	\$ (54,959)	\$ 2,259	999	\$ 12,730	\$ (8,142)	\$ 864	1,266,530	\$ (12,494)	\$ 39.96	\$ (49.82)
Glenn-Colusa	228,710	\$ 6,281	\$ (9,932)	\$ 408	-	\$ -	\$ -	\$ -	228,710	\$ (3,243)	\$ 29.25	\$ (43.43)
James	76,237	\$ 2,094	\$ (3,311)	\$ 136	-	\$ -	\$ -	\$ -	76,237	\$ (1,081)	\$ 29.25	\$ (43.43)
Lower Tule	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	76,237	\$ 2,094	\$ (3,311)	\$ 136	-	\$ -	\$ -	\$ -	76,237	\$ (1,081)	\$ 29.25	\$ (43.43)
RD108	91,484	\$ 2,512	\$ (3,973)	\$ 163	131	\$ 1,675	\$ (1,071)	\$ 114	91,616	\$ (580)	\$ 48.73	\$ (55.06)
Santa Clara	457,421	\$ 12,562	\$ (19,865)	\$ 817	263	\$ 3,350	\$ (2,143)	\$ 227	457,684	\$ (5,052)	\$ 37.05	\$ (48.08)
Sonoma	304,947	\$ 8,374	\$ (13,243)	\$ 544	-	\$ -	\$ -	\$ -	304,947	\$ (4,324)	\$ 29.25	\$ (43.43)
West Stan	609,895	\$ 16,749	\$ (26,486)	\$ 1,089	526	\$ 6,700	\$ (4,285)	\$ 455	610,420	\$ (5,779)	\$ 40.94	\$ (50.41)
Westlands	1,219,789	\$ 33,498	\$ (52,973)	\$ 2,177	1,683	\$ 21,440	\$ (13,712)	\$ 1,455	1,221,472	\$ (8,115)	\$ 47.95	\$ (54.59)
Zone 7	152,474	\$ 4,187	\$ (6,622)	\$ 272	-	\$ -	\$ -	\$ -	152,474	\$ (2,162)	\$ 29.25	\$ (43.43)
PWRPA	7,928,630	\$ 217,734	\$ (344,322)	\$ 14,153	5,258	\$ 67,000	\$ (42,851)	\$ 4,546	7,933,888	\$ (83,739)	\$ 38.25	\$ (48.80)

Specific Projects: Lodi Energy Center								
Participant	Energy (kWh)	Debt Cost (\$)	Energy & GHG Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	697,713	\$ 15,697	\$ 51,268	\$ (49,216)	\$ 768	\$ 18,517	\$ 97.08	\$ (70.54)
Banta-Carbona	262,395	\$ 5,903	\$ 19,281	\$ (18,509)	\$ 289	\$ 6,964	\$ 97.08	\$ (70.54)
Byron-Bethany	123,668	\$ 2,782	\$ 9,087	\$ (8,723)	\$ 136	\$ 3,282	\$ 97.08	\$ (70.54)
Cawelo	220,837	\$ 4,968	\$ 16,227	\$ (15,578)	\$ 243	\$ 5,861	\$ 97.08	\$ (70.54)
Glenn-Colusa	148,072	\$ 3,331	\$ 10,880	\$ (10,445)	\$ 163	\$ 3,930	\$ 97.08	\$ (70.54)
James	117,083	\$ 2,634	\$ 8,603	\$ (8,259)	\$ 129	\$ 3,107	\$ 97.08	\$ (70.54)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	123,621	\$ 2,781	\$ 9,084	\$ (8,720)	\$ 136	\$ 3,281	\$ 97.08	\$ (70.54)
RD108	65,681	\$ 1,478	\$ 4,826	\$ (4,633)	\$ 72	\$ 1,743	\$ 97.08	\$ (70.54)
Santa Clara	188,724	\$ 4,246	\$ 13,868	\$ (13,312)	\$ 208	\$ 5,009	\$ 97.08	\$ (70.54)
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	147,582	\$ 3,320	\$ 10,844	\$ (10,410)	\$ 163	\$ 3,917	\$ 97.08	\$ (70.54)
Westlands	853,673	\$ 19,206	\$ 62,728	\$ (60,217)	\$ 940	\$ 22,657	\$ 97.08	\$ (70.54)
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	2,949,050	\$ 66,347	\$ 216,697	\$ (208,023)	\$ 3,247	\$ 78,268	\$ 97.08	\$ (70.54)

Supplemental: Fixed Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

Supplemental: Variable Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

CAISO Grid Management & Misc						
Participant	Special Charges		Misc Charges			
	Operating Reserves	IFM Uplift Obligation'	Other	GMC	Residual	
Arvin-Edison	\$ 3,516	\$ 834	\$ 5,893	\$ 12,270	\$ 12,642	
Banta-Carbona	\$ 582	\$ 138	\$ 835	\$ 1,738	\$ 1,791	
Byron-Bethany	\$ 32	\$ 8	\$ 188	\$ 392	\$ 404	
Cawelo	\$ 1,516	\$ 360	\$ 1,644	\$ 3,423	\$ 3,527	
Glenn-Colusa	\$ 579	\$ 137	\$ 846	\$ 1,762	\$ 1,815	
James	\$ 5	\$ 1	\$ 29	\$ 60	\$ 61	
Lower Tule	\$ 513	\$ 122	\$ 570	\$ 1,186	\$ 1,222	
Princeton	\$ 225	\$ 53	\$ 283	\$ 589	\$ 607	
RD108	\$ 166	\$ 39	\$ 214	\$ 445	\$ 458	
Santa Clara	\$ 697	\$ 165	\$ 811	\$ 1,689	\$ 1,740	
Sonoma	\$ 1,204	\$ 286	\$ 1,419	\$ 2,955	\$ 3,045	
West Stan	\$ 512	\$ 121	\$ 921	\$ 1,918	\$ 1,976	
Westlands	\$ 511	\$ 121	\$ 1,511	\$ 3,146	\$ 3,241	
Zone 7	\$ 141	\$ 34	\$ 157	\$ 327	\$ 337	
PWRPA	\$ 10,199	\$ 2,420	\$ 15,320	\$ 31,900	\$ 32,867	

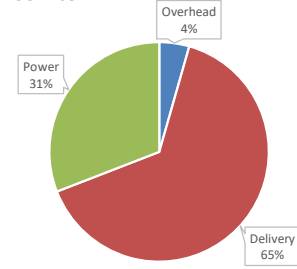
Supplemental: Other				
Participant	RECs	Capacity	Carbon	Total Cost
Arvin-Edison	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	\$ -	\$ -	\$ -	\$ -
Cawelo	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	\$ -	\$ -	\$ -	\$ -
James	\$ -	\$ -	\$ -	\$ -
Lower Tule	\$ -	\$ -	\$ -	\$ -
Princeton	\$ -	\$ -	\$ -	\$ -
RD108	\$ -	\$ -	\$ -	\$ -
Santa Clara	\$ 12,394	\$ -	\$ -	\$ 12,394
Sonoma	\$ -	\$ -	\$ -	\$ -
West Stan	\$ -	\$ -	\$ -	\$ -
Westlands	\$ -	\$ -	\$ -	\$ -
Zone 7	\$ -	\$ -	\$ -	\$ -
PWRPA	\$ 12,394	\$ -	\$ -	\$ 12,394

**Power Water Resources Pooling Authority**  
August 2023

Operations Reconciliation Summary: August 2023														
Participant	DLF Adjusted Energy (kWh)	Overhead			Delivery			Power				Total Costs		
		JPA Mgmt	Metering	ASA Utility Mgmt & Operations	Distribution	Transmission	Grid Mgmt	Load Cost	District-Specific Projects	Base Resource (w/ DP & Pooling)	Special Project Generation		Supplemental	
Arvin-Edison	13,870,222	\$ 806	\$ 5,285	\$ 22,829	\$ 324,472	\$ 483,490	\$ 47,070	\$ 1,013,842	\$ -	\$ (482,641)	\$ (32,445)	\$ 14,591	\$ 1,397,298	
Banta-Carbona	1,955,402	\$ 806	\$ 81	\$ 6,362	\$ -	\$ 68,162	\$ 6,678	\$ 138,210	\$ -	\$ (61,441)	\$ (11,591)	\$ -	\$ 147,267	
Byron-Bethany	445,100	\$ 806	\$ 81	\$ 3,772	\$ 13,531	\$ 15,515	\$ 1,317	\$ 32,731	\$ -	\$ (25,892)	\$ (1,041)	\$ -	\$ 40,821	
Cawelo	3,550,334	\$ 806	\$ 407	\$ 6,375	\$ 107,211	\$ 123,758	\$ 13,089	\$ 255,128	\$ -	\$ (61,309)	\$ (24,673)	\$ -	\$ 420,792	
Glenn-Colusa	1,730,886	\$ 806	\$ 1,057	\$ 5,225	\$ 33,010	\$ 59,763	\$ 5,903	\$ 124,556	\$ -	\$ (55,807)	\$ (1,978)	\$ 1,883	\$ 174,418	
James	65,958	\$ 806	\$ 163	\$ 3,716	\$ 8,865	\$ 2,299	\$ 197	\$ 4,183	\$ -	\$ (6,081)	\$ (187)	\$ -	\$ 13,961	
Lower Tule	1,631,867	\$ 806	\$ 81	\$ 5,046	\$ 42,266	\$ 56,884	\$ 6,022	\$ 116,016	\$ -	\$ (29,550)	\$ -	\$ 2,196	\$ 199,767	
Princeton	451,367	\$ 806	\$ 81	\$ 3,767	\$ 16,524	\$ 6,524	\$ 1,571	\$ 33,148	\$ -	\$ (13,414)	\$ (152)	\$ -	\$ 48,856	
RD108	554,741	\$ 806	\$ 244	\$ 3,957	\$ 23,926	\$ 19,337	\$ 1,981	\$ 39,646	\$ -	\$ (13,048)	\$ (241)	\$ -	\$ 76,608	
Santa Clara	2,410,397	\$ 806	\$ 732	\$ 6,918	\$ 90,590	\$ 54,275	\$ 8,795	\$ 174,340	\$ -	\$ (45,508)	\$ (4,248)	\$ 11,338	\$ 298,037	
Sonoma	4,240,204	\$ 806	\$ 1,626	\$ 9,470	\$ 60,665	\$ 147,805	\$ 15,444	\$ 295,793	\$ 829	\$ (80,660)	\$ 8,077	\$ 6,276	\$ 466,131	
West Stan	2,378,892	\$ 806	\$ 81	\$ 6,400	\$ 74,993	\$ 34,387	\$ 8,019	\$ 168,009	\$ -	\$ (81,772)	\$ (11,584)	\$ 941	\$ 200,280	
Westlands	3,148,720	\$ 806	\$ 41,875	\$ 22,077	\$ 363,845	\$ 109,758	\$ 10,244	\$ 230,193	\$ (46,920)	\$ (393,538)	\$ (6,056)	\$ 8,001	\$ 340,287	
Zone 7	449,487	\$ 806	\$ 407	\$ 4,284	\$ 50,711	\$ 9,671	\$ 1,657	\$ 29,885	\$ -	\$ (7,946)	\$ (1,976)	\$ 1,569	\$ 89,067	
<b>TOTAL</b>	<b>36,883,577</b>	<b>\$ 11,279</b>	<b>\$ 52,201</b>	<b>\$ 110,198</b>	<b>\$ 1,210,611</b>	<b>\$ 1,191,628</b>	<b>\$ 127,989</b>	<b>\$ 2,655,680</b>	<b>\$ (46,091)</b>	<b>\$ (1,358,607)</b>	<b>\$ (88,094)</b>	<b>\$ 46,796</b>	<b>\$ 3,913,590</b>	
Percent of total cost		0.29%	1.33%	2.82%	30.93%	30.45%	3.27%	67.86%	-1.18%	-34.72%	-2.25%	1.20%	100.00%	
Reference Index	10	11	12	13	14	15	16	17	18	19	20	21	22	

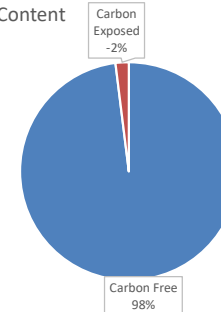
Summary of Costs as a Rate per Metered Energy (Cents per kWh)									
Participant	Metered Energy (kWh)	Cents per kWh							
		Overhead	Distribution	Transmission	Grid Mgmt	Load	Power Resources	Composite Rate	
Arvin-Edison	13,474,094	\$ 0.21	\$ 2.41	\$ 3.59	\$ 0.35	\$ 7.52	\$ (3.71)	\$ 10.37	
Banta-Carbona	1,955,402	\$ 0.37	\$ -	\$ 3.49	\$ 0.34	\$ 7.07	\$ (3.73)	\$ 7.53	
Byron-Bethany	435,738	\$ 1.07	\$ 3.11	\$ 3.56	\$ 0.30	\$ 7.51	\$ (6.18)	\$ 9.37	
Cawelo	3,327,646	\$ 0.23	\$ 3.22	\$ 3.72	\$ 0.39	\$ 7.67	\$ (2.58)	\$ 12.65	
Glenn-Colusa	1,711,179	\$ 0.41	\$ 1.93	\$ 3.49	\$ 0.34	\$ 7.28	\$ (3.27)	\$ 10.19	
James	64,596	\$ 7.25	\$ 13.72	\$ 3.56	\$ 0.31	\$ 6.48	\$ (9.70)	\$ 21.61	
Lower Tule	1,520,481	\$ 0.39	\$ 2.78	\$ 3.74	\$ 0.40	\$ 7.63	\$ (1.80)	\$ 13.14	
Princeton	441,905	\$ 1.05	\$ 3.74	\$ 1.48	\$ 0.36	\$ 7.50	\$ (3.07)	\$ 11.06	
RD108	530,464	\$ 0.94	\$ 4.51	\$ 3.65	\$ 0.37	\$ 7.47	\$ (2.51)	\$ 14.44	
Santa Clara	2,357,621	\$ 0.36	\$ 3.84	\$ 2.30	\$ 0.37	\$ 7.39	\$ (1.63)	\$ 12.64	
Sonoma	4,177,498	\$ 0.28	\$ 1.45	\$ 3.54	\$ 0.37	\$ 7.08	\$ (1.57)	\$ 11.16	
West Stan	2,328,924	\$ 0.31	\$ 3.22	\$ 1.48	\$ 0.34	\$ 7.21	\$ (3.97)	\$ 8.60	
Westlands	2,933,398	\$ 2.21	\$ 12.40	\$ 3.74	\$ 0.35	\$ 7.85	\$ (14.95)	\$ 11.60	
Zone 7	440,175	\$ 1.25	\$ 11.52	\$ 2.20	\$ 0.38	\$ 6.79	\$ (1.90)	\$ 20.23	
<b>PWRPA</b>	<b>35,699,120</b>	<b>\$ 0.49</b>	<b>\$ 3.39</b>	<b>\$ 3.34</b>	<b>\$ 0.36</b>	<b>\$ 7.44</b>	<b>\$ (4.05)</b>	<b>\$ 10.96</b>	
Reference Index	24			25				26	

Cost of Service



Summary of Energy Portfolio								
Participant	DLF Adjusted Energy (kWh)	Hydro	Solar	Lodi	Secured Supplemental	Total Resources	Net Short/(Long)	Carbon Free Load
Banta-Carbona	1,955,402	1,333,011	546,939	353,611	-	2,233,561	(278,159)	96%
Byron-Bethany	445,100	436,488	81,973	166,659	-	685,120	(240,020)	116%
Cawelo	3,550,334	1,789,756	1,306,282	297,606	-	3,393,644	156,689	87%
Glenn-Colusa	1,730,886	1,185,766	381,951	199,546	-	1,767,263	(36,377)	91%
James	65,958	63,174	120,112	157,785	-	341,070	(275,112)	278%
Lower Tule	1,631,867	818,820	-	-	-	818,820	813,047	50%
Princeton	451,367	288,273	129,380	166,596	-	584,248	(132,881)	93%
RD108	554,741	321,761	153,682	88,514	-	563,958	(9,216)	86%
Santa Clara	2,410,397	1,274,741	740,099	254,331	-	2,269,171	141,227	84%
Sonoma	4,240,204	2,260,856	1,377,066	-	-	3,637,922	602,282	86%
West Stan	2,378,892	1,690,773	546,484	198,886	-	2,436,143	(57,251)	94%
Westlands	3,148,720	3,162,326	2,948,545	1,150,436	-	7,261,307	(4,112,587)	194%
Zone 7	449,487	226,558	237,057	-	-	463,616	(14,128)	103%
<b>PWRPA</b>	<b>36,883,577</b>	<b>24,506,000</b>	<b>13,134,017</b>	<b>3,974,230</b>	<b>-</b>	<b>41,614,247</b>	<b>(4,730,670)</b>	<b>102%</b>
Percent of DLF Adjusted Energy:		66%	36%	11%	0%	113%		

Portfolio Content



**Load: Day-ahead Schedule and Realtime Imbalance**

Participant	Metered (kWh)	DLF Adjusted Energy (kWh)	DLF Factor	Peak (kW)	ISO Load Cost (\$)	Rate (\$/MWh)
Arvin-Edison	13,474,094	13,870,222	2.9%	33,125	\$ 1,013,842	\$ 73.09
Banta-Carbona	1,955,402	1,955,402	0.0%	3,490	\$ 138,210	\$ 70.68
Byron-Bethany	435,738	445,100	2.1%	841	\$ 32,731	\$ 73.54
Cawelo	3,327,646	3,550,334	6.7%	6,598	\$ 255,128	\$ 71.86
Glenn-Colusa	1,711,179	1,730,886	1.2%	3,742	\$ 124,556	\$ 71.96
James	64,596	65,958	2.1%	551	\$ 4,183	\$ 63.42
Lower Tule	1,520,481	1,631,867	7.3%	2,572	\$ 116,016	\$ 71.09
Princeton	441,905	451,367	2.1%	1,027	\$ 33,148	\$ 73.44
RD108	530,464	554,741	4.6%	1,313	\$ 39,646	\$ 71.47
Santa Clara	2,357,621	2,410,397	2.2%	4,656	\$ 174,340	\$ 72.33
Sonoma	4,177,498	4,240,204	1.5%	7,909	\$ 295,793	\$ 69.76
West Stan	2,328,924	2,378,892	2.1%	4,661	\$ 168,009	\$ 70.62
Westlands	2,933,398	3,148,720	7.3%	13,510	\$ 230,193	\$ 73.11
Zone 7	440,175	449,487	2.1%	1,937	\$ 29,885	\$ 66.49
PWRPA	35,699,120	36,883,577	3.3%	85,930	\$ 2,655,680	\$ 72.00

**District-Specific Projects: WSH (100% SCWA) and BOR (100% WWD)**

Participant	Energy (kWh)	Vendor Cost (\$)	ISO Credit (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ 829	\$ 829	\$ -	\$ -
West Stan	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Westlands	682,000	\$ -	\$ (48,023)	\$ 1,103	\$ (46,920)	\$ 1.62	\$ (70.41)
Zone 7	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
PWRPA	682,000	\$ -	\$ (48,023)	\$ 1,932	\$ (46,091)	\$ 2.83	\$ (70.41)

**Base Resource - Import, Displacement and Pooling**

Participant	ISO Import			Displacement			Pooling			WAPA Cost (\$)	Overhead (\$)	Resource Net			
	Energy (kWh)	ISO Settlement (\$)		Energy (kWh)	ISO Settlement (\$)	CVP Settlement (\$)	Energy (kWh)	Contract Cost/ (Credit)	ISO Settlement			Energy (kWh)	Cost / (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	5,555,983	\$ (468,223)		1,350,296	\$ (96,860)	\$ (17,867)	2,747,418	\$ 156,146	\$ (239,859)	\$ 182,078	\$ 1,944	9,653,696	\$ (482,641)	\$ 35.24	\$ (85.23)
Banta-Carbona	685,236	\$ (57,747)		166,536	\$ (11,946)	\$ (2,467)	481,238	\$ 24,664	\$ (36,641)	\$ 22,456	\$ 240	1,333,011	\$ (61,441)	\$ 35.53	\$ (81.62)
Byron-Bethany	370,409	\$ (31,216)		90,022	\$ (6,457)	\$ (808)	(23,944)	\$ (952)	\$ 1,272	\$ 12,139	\$ 130	436,488	\$ (25,892)	\$ 25.93	\$ (85.25)
Cawelo	329,071	\$ (27,732)		79,976	\$ (5,737)	\$ (3,313)	1,380,709	\$ 71,828	\$ (107,255)	\$ 10,784	\$ 115	1,789,756	\$ (61,309)	\$ 46.22	\$ (80.48)
Glenn-Colusa	619,122	\$ (52,176)		150,468	\$ (10,793)	\$ (2,195)	416,176	\$ 22,122	\$ (33,271)	\$ 20,290	\$ 217	1,185,766	\$ (55,807)	\$ 35.95	\$ (83.01)
James	131,097	\$ (11,048)		31,861	\$ (2,285)	\$ (117)	(99,784)	\$ (5,658)	\$ 8,685	\$ 4,296	\$ 46	63,174	\$ (6,081)	\$ (20.83)	\$ (75.43)
Lower Tule	169,275	\$ (14,265)		41,140	\$ (2,951)	\$ (1,515)	608,405	\$ 32,465	\$ (48,890)	\$ 5,547	\$ 59	818,820	\$ (29,550)	\$ 46.50	\$ (82.59)
Princeton	138,890	\$ (11,705)		33,755	\$ (2,421)	\$ (534)	115,627	\$ 6,403	\$ (9,757)	\$ 4,552	\$ 49	288,273	\$ (13,414)	\$ 38.17	\$ (84.70)
RD108	110,954	\$ (9,351)		26,966	\$ (1,934)	\$ (596)	183,841	\$ 9,689	\$ (14,531)	\$ 3,636	\$ 39	321,761	\$ (13,048)	\$ 41.53	\$ (82.08)
Santa Clara	279,808	\$ (23,580)		68,003	\$ (4,878)	\$ (2,359)	926,930	\$ 48,396	\$ (72,353)	\$ 9,170	\$ 98	1,274,741	\$ (45,508)	\$ 45.24	\$ (80.94)
Sonoma	511,696	\$ (43,122)		124,360	\$ (8,921)	\$ (4,184)	1,624,801	\$ 84,217	\$ (125,598)	\$ 16,769	\$ 179	2,260,856	\$ (80,660)	\$ 44.75	\$ (80.42)
West Stan	963,043	\$ (81,159)		234,053	\$ (16,789)	\$ (3,129)	493,677	\$ 25,607	\$ (38,199)	\$ 31,560	\$ 337	1,690,773	\$ (81,772)	\$ 34.01	\$ (82.37)
Westlands	9,259,998	\$ (780,374)		2,250,499	\$ (161,433)	\$ (4,591)	(9,030,171)	\$ (484,229)	\$ 730,385	\$ 303,464	\$ 3,240	2,480,326	\$ (393,538)	\$ (71.57)	\$ (87.09)
Zone 7	41,417	\$ (3,490)		10,066	\$ (722)	\$ (419)	175,076	\$ 9,302	\$ (13,988)	\$ 1,357	\$ 14	226,558	\$ (7,946)	\$ 47.11	\$ (82.18)
PWRPA	19,166,000	\$ (1,615,188)		4,658,000	\$ (334,129)	\$ (44,094)	(0)	\$ (0)	\$ (0)	\$ 628,099	\$ 6,705	23,824,000	\$ (1,358,607)	\$ 26.65	\$ (83.67)

Specific Projects: Astoria							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	1,103,698	\$ 69,531	\$ (72,088)	\$ 1,341	\$ (1,216)	\$ 64.21	\$ (65.32)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	172,408	\$ 10,861	\$ (11,261)	\$ 209	\$ (190)	\$ 64.21	\$ (65.32)
Glenn-Colusa	91,212	\$ 5,746	\$ (5,958)	\$ 111	\$ (101)	\$ 64.21	\$ (65.32)
James	23,199	\$ 1,461	\$ (1,515)	\$ 28	\$ (26)	\$ 64.21	\$ (65.32)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	32,467	\$ 2,045	\$ (2,121)	\$ 39	\$ (36)	\$ 64.21	\$ (65.32)
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	115,389	\$ 7,269	\$ (7,537)	\$ 140	\$ (127)	\$ 64.21	\$ (65.32)
Sonoma	301,498	\$ 18,994	\$ (19,692)	\$ 366	\$ (332)	\$ 64.21	\$ (65.32)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	995,158	\$ 62,693	\$ (64,999)	\$ 1,209	\$ (1,097)	\$ 64.21	\$ (65.32)
Zone 7	43,231	\$ 2,724	\$ (2,824)	\$ 53	\$ (48)	\$ 64.21	\$ (65.32)
PWRPA	2,878,260	\$ 181,325	\$ (187,994)	\$ 3,496	\$ (3,172)	\$ 64.21	\$ (65.32)

Specific Projects: Whitney Point							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	1,003,168	\$ 58,936	\$ (41,463)	\$ 414	\$ 17,887	\$ 59.16	\$ (41.33)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	85,978	\$ 5,051	\$ (3,554)	\$ 35	\$ 1,533	\$ 59.16	\$ (41.33)
James	28,659	\$ 1,684	\$ (1,185)	\$ 12	\$ 511	\$ 59.16	\$ (41.33)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	28,659	\$ 1,684	\$ (1,185)	\$ 12	\$ 511	\$ 59.16	\$ (41.33)
RD108	71,664	\$ 4,210	\$ (2,962)	\$ 30	\$ 1,278	\$ 59.16	\$ (41.33)
Santa Clara	214,960	\$ 12,629	\$ (8,885)	\$ 89	\$ 3,833	\$ 59.16	\$ (41.33)
Sonoma	802,554	\$ 47,150	\$ (33,171)	\$ 331	\$ 14,310	\$ 59.16	\$ (41.33)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	859,872	\$ 50,517	\$ (35,540)	\$ 355	\$ 15,332	\$ 59.16	\$ (41.33)
Zone 7	57,318	\$ 3,367	\$ (2,369)	\$ 24	\$ 1,022	\$ 59.16	\$ (41.33)
PWRPA	3,152,833	\$ 185,229	\$ (130,313)	\$ 1,301	\$ 56,217	\$ 59.16	\$ (41.33)

Specific Projects: Slate												
Participant	Solar Energy (kWh)	Solar Cost (\$)	Solar ISO Settlement (\$)	Solar Overhead (\$)	Battery Energy (kWh)	Battery Cost (\$)	Battery ISO Settlement (\$)	Battery Overhead (\$)	Net Energy (kWh)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	2,457,128	\$ 67,629	\$ (125,297)	\$ 4,563	455	\$ 6,700	\$ (7,813)	\$ 318	2,457,584	\$ (53,900)	\$ 32.23	\$ (54.16)
Banta-Carbona	546,029	\$ 15,029	\$ (27,844)	\$ 1,014	911	\$ 13,400	\$ (15,626)	\$ 637	546,939	\$ (13,390)	\$ 55.00	\$ (79.48)
Byron-Bethany	81,904	\$ 2,254	\$ (4,177)	\$ 152	68	\$ 1,005	\$ (1,172)	\$ 48	81,973	\$ (1,889)	\$ 42.20	\$ (65.25)
Cawelo	1,133,009	\$ 31,185	\$ (57,776)	\$ 2,104	865	\$ 12,730	\$ (14,844)	\$ 605	1,133,874	\$ (25,997)	\$ 41.12	\$ (64.05)
Glenn-Colusa	204,761	\$ 5,636	\$ (10,441)	\$ 380	-	\$ -	\$ -	\$ -	204,761	\$ (4,425)	\$ 29.38	\$ (50.99)
James	68,254	\$ 1,879	\$ (3,480)	\$ 127	-	\$ -	\$ -	\$ -	68,254	\$ (1,475)	\$ 29.38	\$ (50.99)
Lower Tule	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	68,254	\$ 1,879	\$ (3,480)	\$ 127	-	\$ -	\$ -	\$ -	68,254	\$ (1,475)	\$ 29.38	\$ (50.99)
RD108	81,904	\$ 2,254	\$ (4,177)	\$ 152	114	\$ 1,675	\$ (1,953)	\$ 80	82,018	\$ (1,969)	\$ 50.73	\$ (74.74)
Santa Clara	409,521	\$ 11,272	\$ (20,883)	\$ 761	228	\$ 3,350	\$ (3,906)	\$ 159	409,749	\$ (9,248)	\$ 37.93	\$ (60.50)
Sonoma	273,014	\$ 7,514	\$ (13,922)	\$ 507	-	\$ -	\$ -	\$ -	273,014	\$ (5,901)	\$ 29.38	\$ (50.99)
West Stan	546,029	\$ 15,029	\$ (27,844)	\$ 1,014	455	\$ 6,700	\$ (7,813)	\$ 318	546,484	\$ (12,596)	\$ 42.20	\$ (65.25)
Westlands	1,092,057	\$ 30,057	\$ (55,688)	\$ 2,028	1,457	\$ 21,440	\$ (25,001)	\$ 1,018	1,093,514	\$ (26,145)	\$ 49.88	\$ (73.79)
Zone 7	136,507	\$ 3,757	\$ (6,961)	\$ 254	-	\$ -	\$ -	\$ -	136,507	\$ (2,950)	\$ 29.38	\$ (50.99)
PWRPA	7,098,371	\$ 195,373	\$ (361,970)	\$ 13,182	4,554	\$ 67,000	\$ (78,128)	\$ 3,183	7,102,925	\$ (161,360)	\$ 39.24	\$ (61.96)

Specific Projects: Lodi Energy Center								
Participant	Energy (kWh)	Debt Cost (\$)	Energy & GHG Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	940,259	\$ 15,697	\$ 61,445	\$ (72,725)	\$ 367	\$ 4,784	\$ 82.43	\$ (77.35)
Banta-Carbona	353,611	\$ 5,903	\$ 23,108	\$ (27,350)	\$ 138	\$ 1,799	\$ 82.43	\$ (77.35)
Byron-Bethany	166,659	\$ 2,782	\$ 10,891	\$ (12,890)	\$ 65	\$ 848	\$ 82.43	\$ (77.35)
Cawelo	297,606	\$ 4,968	\$ 19,448	\$ (23,018)	\$ 116	\$ 1,514	\$ 82.43	\$ (77.35)
Glenn-Colusa	199,546	\$ 3,331	\$ 13,040	\$ (15,434)	\$ 78	\$ 1,015	\$ 82.43	\$ (77.35)
James	157,785	\$ 2,634	\$ 10,311	\$ (12,204)	\$ 62	\$ 803	\$ 82.43	\$ (77.35)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	166,596	\$ 2,781	\$ 10,887	\$ (12,885)	\$ 65	\$ 848	\$ 82.43	\$ (77.35)
RD108	88,514	\$ 1,478	\$ 5,784	\$ (6,846)	\$ 35	\$ 450	\$ 82.43	\$ (77.35)
Santa Clara	254,331	\$ 4,246	\$ 16,620	\$ (19,671)	\$ 99	\$ 1,294	\$ 82.43	\$ (77.35)
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	198,886	\$ 3,320	\$ 12,997	\$ (15,383)	\$ 78	\$ 1,012	\$ 82.43	\$ (77.35)
Westlands	1,150,436	\$ 19,206	\$ 75,180	\$ (88,981)	\$ 449	\$ 5,854	\$ 82.43	\$ (77.35)
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	3,974,230	\$ 66,347	\$ 259,711	\$ (307,388)	\$ 1,552	\$ 20,222	\$ 82.43	\$ (77.35)

Supplemental: Fixed Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

Supplemental: Variable Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

CAISO Grid Management & Misc					
Participant	Special Charges		Misc Charges		
	Operating Reserves	IFM Uplift Obligation'	Other	GMC	Residual
Arvin-Edison	\$ 5,082	\$ 1,360	\$ 5,761	\$ 10,625	\$ 24,241
Banta-Carbona	\$ 750	\$ 201	\$ 812	\$ 1,498	\$ 3,417
Byron-Bethany	\$ 10	\$ 3	\$ 185	\$ 341	\$ 778
Cawelo	\$ 2,122	\$ 568	\$ 1,475	\$ 2,720	\$ 6,205
Glenn-Colusa	\$ 657	\$ 176	\$ 719	\$ 1,326	\$ 3,025
James	\$ 3	\$ 1	\$ 27	\$ 51	\$ 115
Lower Tule	\$ 980	\$ 262	\$ 678	\$ 1,250	\$ 2,852
Princeton	\$ 197	\$ 53	\$ 187	\$ 346	\$ 789
RD108	\$ 281	\$ 75	\$ 230	\$ 425	\$ 970
Santa Clara	\$ 1,369	\$ 366	\$ 1,001	\$ 1,846	\$ 4,213
Sonoma	\$ 2,386	\$ 639	\$ 1,761	\$ 3,248	\$ 7,410
West Stan	\$ 829	\$ 222	\$ 988	\$ 1,822	\$ 4,158
Westlands	\$ 806	\$ 216	\$ 1,308	\$ 2,412	\$ 5,503
Zone 7	\$ 269	\$ 72	\$ 187	\$ 344	\$ 786
PWRPA	\$ 15,740	\$ 4,214	\$ 15,320	\$ 28,255	\$ 64,460

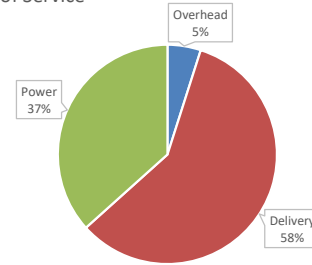
Supplemental: Other				
Participant	RECs	Capacity	Carbon	Total Cost
Arvin-Edison	\$ -	\$ 14,591	\$ -	\$ 14,591
Banta-Carbona	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	\$ -	\$ -	\$ -	\$ -
Cawelo	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	\$ -	\$ 1,883	\$ -	\$ 1,883
James	\$ -	\$ -	\$ -	\$ -
Lower Tule	\$ -	\$ 2,196	\$ -	\$ 2,196
Princeton	\$ -	\$ -	\$ -	\$ -
RD108	\$ -	\$ -	\$ -	\$ -
Santa Clara	\$ 9,926	\$ 1,412	\$ -	\$ 11,338
Sonoma	\$ -	\$ 6,276	\$ -	\$ 6,276
West Stan	\$ -	\$ 941	\$ -	\$ 941
Westlands	\$ -	\$ 8,001	\$ -	\$ 8,001
Zone 7	\$ -	\$ 1,569	\$ -	\$ 1,569
PWRPA	\$ 9,926	\$ 36,869	\$ -	\$ 46,796

**Power Water Resources Pooling Authority**  
September 2023

Operations Reconciliation Summary: September 2023													
Participant	DLF Adjusted Energy (kWh)	Overhead			Delivery			Power				Total Costs	
		JPA Mgmt	Metering	ASA Utility Mgmt & Operations	Distribution	Transmission	Grid Mgmt	Load Cost	District-Specific Projects	Base Resource (w/ DP & Pooling)	Special Project Generation		Supplemental
Arvin-Edison	11,727,327	\$ 540	\$ 5,422	\$ 24,017	\$ 318,537	\$ 408,800	\$ 31,613	\$ 484,216	\$ -	\$ (11,977)	\$ 135,691	\$ -	\$ 1,290,861
Banta-Carbona	1,421,943	\$ 540	\$ 83	\$ 6,072	\$ -	\$ 49,567	\$ 3,830	\$ 58,865	\$ -	\$ (14,471)	\$ 25,141	\$ -	\$ 129,628
Byron-Bethany	344,655	\$ 540	\$ 83	\$ 3,544	\$ 11,186	\$ 12,014	\$ 906	\$ 14,419	\$ -	\$ (6,235)	\$ 6,478	\$ -	\$ 42,936
Cawelo	2,567,019	\$ 540	\$ 417	\$ 6,257	\$ 80,659	\$ 89,483	\$ 7,025	\$ 107,606	\$ -	\$ (13,940)	\$ 35,763	\$ -	\$ 313,810
Glenn-Colusa	460,385	\$ 540	\$ 1,084	\$ 4,454	\$ 13,335	\$ 16,017	\$ 1,201	\$ 18,832	\$ -	\$ (9,709)	\$ 14,601	\$ -	\$ 60,357
James	53,822	\$ 540	\$ 167	\$ 3,446	\$ 7,243	\$ 1,876	\$ 140	\$ 2,171	\$ -	\$ (1,554)	\$ 7,304	\$ -	\$ 21,334
Lower Tule	1,258,864	\$ 540	\$ 83	\$ 4,879	\$ 42,537	\$ 43,882	\$ 3,445	\$ 50,220	\$ -	\$ (6,780)	\$ -	\$ -	\$ 138,808
Princeton	58,022	\$ 540	\$ 83	\$ 3,320	\$ 4,539	\$ 839	\$ 150	\$ 2,441	\$ -	\$ (1,770)	\$ 7,957	\$ -	\$ 18,100
RD108	204,937	\$ 540	\$ 250	\$ 3,569	\$ 17,483	\$ 7,144	\$ 551	\$ 8,488	\$ -	\$ (2,237)	\$ 6,980	\$ -	\$ 42,769
Santa Clara	2,094,068	\$ 540	\$ 751	\$ 6,925	\$ 83,560	\$ 46,127	\$ 5,724	\$ 85,634	\$ -	\$ (11,471)	\$ 25,816	\$ 7,179	\$ 250,786
Sonoma	3,749,708	\$ 540	\$ 1,668	\$ 9,764	\$ 58,865	\$ 130,710	\$ 10,247	\$ 153,337	\$ 829	\$ (20,800)	\$ 41,860	\$ -	\$ 387,020
West Stan	1,372,504	\$ 540	\$ 83	\$ 5,881	\$ 54,722	\$ 19,839	\$ 3,668	\$ 57,378	\$ -	\$ (17,919)	\$ 15,809	\$ -	\$ 140,001
Westlands	1,618,396	\$ 540	\$ 42,962	\$ 22,543	\$ 305,069	\$ 56,415	\$ 4,280	\$ 67,383	\$ (16,401)	\$ (85,716)	\$ 130,127	\$ -	\$ 527,203
Zone 7	422,192	\$ 540	\$ 417	\$ 4,091	\$ 50,991	\$ 8,798	\$ 1,156	\$ 17,076	\$ -	\$ (2,120)	\$ 5,004	\$ -	\$ 85,953
<b>TOTAL</b>	<b>27,353,841</b>	<b>\$ 7,566</b>	<b>\$ 53,557</b>	<b>\$ 108,763</b>	<b>\$ 1,048,725</b>	<b>\$ 891,513</b>	<b>\$ 73,936</b>	<b>\$ 1,128,067</b>	<b>\$ (15,572)</b>	<b>\$ (312,699)</b>	<b>\$ 458,531</b>	<b>\$ 7,179</b>	<b>\$ 3,449,566</b>
Percent of total cost		0.22%	1.55%	3.15%	30.40%	25.84%	2.14%	32.70%	-0.45%	-9.06%	13.29%	0.21%	100.00%

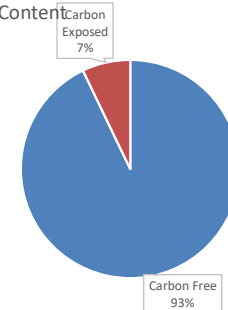
Summary of Costs as a Rate per Metered Energy (Cents per kWh)									
Participant	Metered Energy (kWh)	Cents per kWh							
		Overhead	Distribution	Transmission	Grid Mgmt	Load	Power Resources	Composite Rate	
Arvin-Edison	11,392,349	\$ 0.26	\$ 2.80	\$ 3.59	\$ 0.28	\$ 4.25	\$ 0.16	\$ 11.33	
Banta-Carbona	1,421,943	\$ 0.47	\$ -	\$ 3.49	\$ 0.27	\$ 4.14	\$ 0.75	\$ 9.12	
Byron-Bethany	338,162	\$ 1.23	\$ 3.31	\$ 3.55	\$ 0.27	\$ 4.26	\$ 0.07	\$ 12.70	
Cawelo	2,410,358	\$ 0.30	\$ 3.35	\$ 3.71	\$ 0.29	\$ 4.46	\$ 0.91	\$ 13.02	
Glenn-Colusa	458,648	\$ 1.33	\$ 2.91	\$ 3.49	\$ 0.26	\$ 4.11	\$ 1.07	\$ 13.16	
James	52,823	\$ 7.86	\$ 13.71	\$ 3.55	\$ 0.27	\$ 4.11	\$ 10.89	\$ 40.39	
Lower Tule	1,178,153	\$ 0.47	\$ 3.61	\$ 3.72	\$ 0.29	\$ 4.26	\$ (0.58)	\$ 11.78	
Princeton	56,925	\$ 6.93	\$ 7.97	\$ 1.47	\$ 0.26	\$ 4.29	\$ 10.87	\$ 31.80	
RD108	199,781	\$ 2.18	\$ 8.75	\$ 3.58	\$ 0.28	\$ 4.25	\$ 2.37	\$ 21.41	
Santa Clara	2,053,170	\$ 0.40	\$ 4.07	\$ 2.25	\$ 0.28	\$ 4.17	\$ 1.05	\$ 12.21	
Sonoma	3,701,217	\$ 0.32	\$ 1.59	\$ 3.53	\$ 0.28	\$ 4.14	\$ 0.59	\$ 10.46	
West Stan	1,346,604	\$ 0.48	\$ 4.06	\$ 1.47	\$ 0.27	\$ 4.26	\$ (0.16)	\$ 10.40	
Westlands	1,514,237	\$ 4.36	\$ 20.15	\$ 3.73	\$ 0.28	\$ 4.45	\$ 1.85	\$ 34.82	
Zone 7	414,395	\$ 1.22	\$ 12.30	\$ 2.12	\$ 0.28	\$ 4.12	\$ 0.70	\$ 20.74	
<b>PWRPA</b>	<b>26,538,766</b>	<b>\$ 0.64</b>	<b>\$ 3.95</b>	<b>\$ 3.36</b>	<b>\$ 0.28</b>	<b>\$ 4.25</b>	<b>\$ 0.52</b>	<b>\$ 13.00</b>	
Reference Index	24			25		26			

Cost of Service



Summary of Energy Portfolio								
Participant	DLF Adjusted Energy (kWh)	Hydro	Solar	Lodi	Secured Supplemental	Total Resources	Net Short/(Long)	Carbon Free Load
Banta-Carbona	1,421,943	789,021	451,282	75,891	-	1,316,195	105,749	87%
Byron-Bethany	344,655	284,519	67,190	35,768	-	387,478	(42,823)	102%
Cawelo	2,567,019	967,820	1,077,167	63,872	-	2,108,859	458,160	80%
Glenn-Colusa	460,385	419,856	316,180	42,876	-	778,862	(318,477)	160%
James	53,822	48,911	99,196	33,863	-	181,970	(128,149)	275%
Lower Tule	1,258,864	475,335	-	-	-	475,335	783,529	38%
Princeton	58,022	57,415	107,168	35,754	-	200,337	(142,315)	284%
RD108	204,937	116,942	126,712	18,997	-	262,651	(57,714)	119%
Santa Clara	2,094,068	816,864	611,895	54,584	-	1,483,343	610,725	68%
Sonoma	3,749,708	1,472,112	1,144,437	-	-	2,616,549	1,133,159	70%
West Stan	1,372,504	881,852	447,936	42,685	-	1,372,473	31	97%
Westlands	1,618,396	1,618,396	2,465,976	246,904	-	4,331,276	(2,712,880)	252%
Zone 7	422,192	155,041	195,669	-	-	350,710	71,482	83%
<b>PWRPA</b>	<b>27,353,841</b>	<b>14,512,000</b>	<b>10,892,598</b>	<b>852,940</b>	<b>-</b>	<b>26,257,538</b>	<b>1,096,303</b>	<b>93%</b>
Percent of DLF Adjusted Energy:		53%	40%	3%	0%	96%		

Portfolio Content



**Load: Day-ahead Schedule and Realtime Imbalance**

Participant	Metered (kWh)	DLF Adjusted Energy (kWh)	DLF Factor	Peak (kW)	ISO Load Cost (\$)	Rate (\$/MWh)
Arvin-Edison	11,392,349	11,727,327	2.9%	30,066	\$ 484,216	\$ 41.29
Banta-Carbona	1,421,943	1,421,943	0.0%	2,653	\$ 58,865	\$ 41.40
Byron-Bethany	338,162	344,655	1.9%	695	\$ 14,419	\$ 41.84
Cawelo	2,410,358	2,567,019	6.5%	4,947	\$ 107,606	\$ 41.92
Glenn-Colusa	458,648	460,385	0.4%	1,668	\$ 18,832	\$ 40.91
James	52,823	53,822	1.9%	450	\$ 2,171	\$ 40.34
Lower Tule	1,178,153	1,258,864	6.9%	2,587	\$ 50,220	\$ 39.89
Princeton	56,925	58,022	1.9%	282	\$ 2,441	\$ 42.07
RD108	199,781	204,937	2.6%	864	\$ 8,488	\$ 41.42
Santa Clara	2,053,170	2,094,068	2.0%	4,310	\$ 85,634	\$ 40.89
Sonoma	3,701,217	3,749,708	1.3%	7,730	\$ 153,337	\$ 40.89
West Stan	1,346,604	1,372,504	1.9%	3,400	\$ 57,378	\$ 41.81
Westlands	1,514,237	1,618,396	6.9%	10,341	\$ 67,383	\$ 41.64
Zone 7	414,395	422,192	1.9%	1,943	\$ 17,076	\$ 40.45
PWRPA	26,538,766	27,353,841	3.1%	71,936	\$ 1,128,067	\$ 41.24

**District-Specific Projects: WSH (100% SCWA) and BOR (100% WWD)**

Participant	Energy (kWh)	Vendor Cost (\$)	ISO Credit (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -		\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -		\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -		\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -		\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -		\$ -	\$ -	\$ -
James	-	\$ -	\$ -		\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -		\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -		\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -		\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -		\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ 829	\$ 829	\$ -	\$ -
West Stan	-	\$ -	\$ -		\$ -	\$ -	\$ -
Westlands	390,000	\$ -	\$ (17,504)	\$ 1,103	\$ (16,401)	\$ 2.83	\$ (44.88)
Zone 7	-	\$ -	\$ -		\$ -	\$ -	\$ -
PWRPA	390,000	\$ -	\$ (17,504)	\$ 1,932	\$ (15,572)	\$ 4.95	\$ (44.88)

**Base Resource - Import, Displacement and Pooling**

Participant	ISO Import			Displacement			Pooling			WAPA Cost (\$)	Overhead (\$)	Resource Net			
	Energy (kWh)	ISO Settlement (\$)		Energy (kWh)	ISO Settlement (\$)	CVP Settlement (\$)	Energy (kWh)	Contract Cost/ (Credit)	ISO Settlement			Energy (kWh)	Cost / (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	3,474,881	\$ (169,573)		618,910	\$ (26,110)	\$ (7,145)	2,314,127	\$ 85,759	\$ (110,508)	\$ 107,929	\$ 1,671	6,407,917	\$ (117,977)	\$ 30.49	\$ (48.90)
Banta-Carbona	428,568	\$ (20,914)		76,332	\$ (3,220)	\$ (880)	284,121	\$ 10,465	\$ (13,439)	\$ 13,311	\$ 206	789,021	\$ (14,471)	\$ 30.39	\$ (48.73)
Byron-Bethany	231,665	\$ (11,305)		41,262	\$ (1,741)	\$ (317)	11,592	\$ 484	\$ (663)	\$ 7,195	\$ 111	284,519	\$ (6,235)	\$ 27.38	\$ (49.30)
Cawelo	205,811	\$ (10,044)		36,657	\$ (1,546)	\$ (1,079)	725,352	\$ 26,885	\$ (34,647)	\$ 6,392	\$ 99	967,820	\$ (13,940)	\$ 34.49	\$ (48.89)
Glenn-Colusa	387,218	\$ (18,896)		68,967	\$ (2,909)	\$ (468)		\$ 1,662	\$ (1,310)	\$ 12,027	\$ 186	419,856	\$ (9,709)	\$ 25.97	\$ (49.09)
James	81,992	\$ (4,001)		14,604	\$ (616)	\$ (55)		\$ 2,320	\$ (1,789)	\$ 2,547	\$ 39	48,911	\$ (1,554)	\$ 16.30	\$ (48.08)
Lower Tule	105,870	\$ (5,166)		18,856	\$ (795)	\$ (530)	350,609	\$ 12,870	\$ (16,497)	\$ 3,288	\$ 51	475,335	\$ (6,780)	\$ 34.10	\$ (48.36)
Princeton	86,866	\$ (4,239)		15,472	\$ (653)	\$ (64)		\$ 2,075	\$ (1,630)	\$ 2,698	\$ 42	57,415	\$ (1,770)	\$ 19.33	\$ (50.17)
RD108	69,394	\$ (3,386)		12,360	\$ (521)	\$ (130)	35,188	\$ 1,315	\$ (1,703)	\$ 2,155	\$ 33	116,942	\$ (2,237)	\$ 29.96	\$ (49.09)
Santa Clara	175,001	\$ (8,540)		31,169	\$ (1,315)	\$ (911)	610,694	\$ 22,325	\$ (28,550)	\$ 5,435	\$ 84	816,864	\$ (11,471)	\$ 34.09	\$ (48.13)
Sonoma	320,030	\$ (15,617)		57,000	\$ (2,405)	\$ (1,642)	1,095,082	\$ 40,101	\$ (51,331)	\$ 9,940	\$ 154	1,472,112	\$ (20,800)	\$ 34.10	\$ (48.23)
West Stan	602,317	\$ (29,393)		107,278	\$ (4,526)	\$ (983)	172,257	\$ 6,556	\$ (8,571)	\$ 18,708	\$ 290	881,852	\$ (17,919)	\$ 28.98	\$ (49.30)
Westlands	5,791,484	\$ (282,623)		1,031,519	\$ (43,516)	\$ (1,370)	(5,594,608)	\$ (206,622)	\$ 265,748	\$ 179,882	\$ 2,785	1,228,396	\$ (85,716)	\$ (19.50)	\$ (50.28)
Zone 7	25,903	\$ (1,264)		4,614	\$ (195)	\$ (173)	124,524	\$ 4,589	\$ (5,895)	\$ 805	\$ 12	155,041	\$ (2,120)	\$ 34.87	\$ (48.54)
PWRPA	11,987,000	\$ (584,962)		2,135,000	\$ (90,068)	\$ (15,747)	0	\$ 0	\$ (0)	\$ 372,314	\$ 5,764	14,122,000	\$ (312,699)	\$ 26.77	\$ (48.91)



Specific Projects: Astoria							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	949,274	\$ 59,806	\$ (14,313)	\$ 821	\$ 46,314	\$ 63.87	\$ (15.08)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	148,285	\$ 9,342	\$ (2,236)	\$ 128	\$ 7,235	\$ 63.87	\$ (15.08)
Glenn-Colusa	78,450	\$ 4,942	\$ (1,183)	\$ 68	\$ 3,827	\$ 63.87	\$ (15.08)
James	19,953	\$ 1,257	\$ (301)	\$ 17	\$ 973	\$ 63.87	\$ (15.08)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	27,924	\$ 1,759	\$ (421)	\$ 24	\$ 1,362	\$ 63.87	\$ (15.08)
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	99,245	\$ 6,253	\$ (1,496)	\$ 86	\$ 4,842	\$ 63.87	\$ (15.08)
Sonoma	259,314	\$ 16,337	\$ (3,910)	\$ 224	\$ 12,651	\$ 63.87	\$ (15.08)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	855,921	\$ 53,924	\$ (12,906)	\$ 740	\$ 41,759	\$ 63.87	\$ (15.08)
Zone 7	37,183	\$ 2,343	\$ (561)	\$ 32	\$ 1,814	\$ 63.87	\$ (15.08)
PWRPA	2,475,550	\$ 155,963	\$ (37,326)	\$ 2,141	\$ 120,778	\$ 63.87	\$ (15.08)

Specific Projects: Whitney Point							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	828,516	\$ 48,675	\$ (16,100)	\$ 715	\$ 33,290	\$ 59.61	\$ (19.43)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	71,009	\$ 4,172	\$ (1,380)	\$ 61	\$ 2,853	\$ 59.61	\$ (19.43)
James	23,670	\$ 1,391	\$ (460)	\$ 20	\$ 951	\$ 59.61	\$ (19.43)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	23,670	\$ 1,391	\$ (460)	\$ 20	\$ 951	\$ 59.61	\$ (19.43)
RD108	59,187	\$ 3,477	\$ (1,150)	\$ 51	\$ 2,378	\$ 59.61	\$ (19.43)
Santa Clara	177,535	\$ 10,430	\$ (3,450)	\$ 153	\$ 7,134	\$ 59.61	\$ (19.43)
Sonoma	662,828	\$ 38,941	\$ (12,880)	\$ 572	\$ 26,633	\$ 59.61	\$ (19.43)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	710,167	\$ 41,722	\$ (13,800)	\$ 613	\$ 28,535	\$ 59.61	\$ (19.43)
Zone 7	47,339	\$ 2,781	\$ (920)	\$ 41	\$ 1,902	\$ 59.61	\$ (19.43)
PWRPA	2,603,921	\$ 152,980	\$ (50,601)	\$ 2,249	\$ 104,628	\$ 59.61	\$ (19.43)

Specific Projects: Slate												
Participant	Solar Energy (kWh)	Solar Cost (\$)	Solar ISO Settlement (\$)	Solar Overhead (\$)	Battery Energy (kWh)	Battery Cost (\$)	Battery ISO Settlement (\$)	Battery Overhead (\$)	Net Energy (kWh)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	2,000,652	\$ 55,533	\$ (39,886)	\$ 7,531	3,346	\$ 6,700	\$ (2,689)	\$ 678	2,003,999	\$ 27,867	\$ 35.15	\$ (21.25)
Banta-Carbona	444,589	\$ 12,341	\$ (8,863)	\$ 1,674	6,693	\$ 13,400	\$ (5,379)	\$ 1,356	451,282	\$ 14,528	\$ 63.75	\$ (31.56)
Byron-Bethany	66,688	\$ 1,851	\$ (1,330)	\$ 251	502	\$ 1,005	\$ (403)	\$ 102	67,190	\$ 1,476	\$ 47.76	\$ (25.79)
Cawelo	922,523	\$ 25,607	\$ (18,392)	\$ 3,473	6,358	\$ 12,730	\$ (5,110)	\$ 1,288	928,881	\$ 19,596	\$ 46.40	\$ (25.30)
Glenn-Colusa	166,721	\$ 4,628	\$ (3,324)	\$ 628	-	\$ -	\$ -	\$ -	166,721	\$ 1,932	\$ 31.52	\$ (19.94)
James	55,574	\$ 1,543	\$ (1,108)	\$ 209	-	\$ -	\$ -	\$ -	55,574	\$ 644	\$ 31.52	\$ (19.94)
Lower Tule	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	55,574	\$ 1,543	\$ (1,108)	\$ 209	-	\$ -	\$ -	\$ -	55,574	\$ 644	\$ 31.52	\$ (19.94)
RD108	66,688	\$ 1,851	\$ (1,330)	\$ 251	837	\$ 1,675	\$ (672)	\$ 169	67,525	\$ 1,945	\$ 58.45	\$ (29.65)
Santa Clara	333,442	\$ 9,256	\$ (6,648)	\$ 1,255	1,673	\$ 3,350	\$ (1,345)	\$ 339	335,115	\$ 6,207	\$ 42.37	\$ (23.85)
Sonoma	222,295	\$ 6,170	\$ (4,432)	\$ 837	-	\$ -	\$ -	\$ -	222,295	\$ 2,575	\$ 31.52	\$ (19.94)
West Stan	444,589	\$ 12,341	\$ (8,863)	\$ 1,674	3,346	\$ 6,700	\$ (2,689)	\$ 678	447,936	\$ 9,839	\$ 47.76	\$ (25.79)
Westlands	889,179	\$ 24,682	\$ (17,727)	\$ 3,347	10,709	\$ 21,440	\$ (8,606)	\$ 2,169	899,888	\$ 25,305	\$ 57.38	\$ (29.26)
Zone 7	111,147	\$ 3,085	\$ (2,216)	\$ 418	-	\$ -	\$ -	\$ -	111,147	\$ 1,288	\$ 31.52	\$ (19.94)
PWRPA	5,779,662	\$ 160,430	\$ (115,225)	\$ 21,756	33,465	\$ 67,000	\$ (26,893)	\$ 6,779	5,813,127	\$ 113,846	\$ 44.03	\$ (24.45)

Specific Projects: Lodi Energy Center								
Participant	Energy (kWh)	Debt Cost (\$)	Energy & GHG Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	201,796	\$ 15,697	\$ 24,636	\$ (12,459)	\$ 346	\$ 28,220	\$ 201.58	\$ (61.74)
Banta-Carbona	75,891	\$ 5,903	\$ 9,265	\$ (4,685)	\$ 130	\$ 10,613	\$ 201.58	\$ (61.74)
Byron-Bethany	35,768	\$ 2,782	\$ 4,367	\$ (2,208)	\$ 61	\$ 5,002	\$ 201.58	\$ (61.74)
Cawelo	63,872	\$ 4,968	\$ 7,798	\$ (3,943)	\$ 109	\$ 8,932	\$ 201.58	\$ (61.74)
Glenn-Colusa	42,826	\$ 3,331	\$ 5,228	\$ (2,644)	\$ 73	\$ 5,989	\$ 201.58	\$ (61.74)
James	33,863	\$ 2,634	\$ 4,134	\$ (2,091)	\$ 58	\$ 4,736	\$ 201.58	\$ (61.74)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	35,754	\$ 2,781	\$ 4,365	\$ (2,207)	\$ 61	\$ 5,000	\$ 201.58	\$ (61.74)
RD108	18,997	\$ 1,478	\$ 2,319	\$ (1,173)	\$ 33	\$ 2,657	\$ 201.58	\$ (61.74)
Santa Clara	54,584	\$ 4,246	\$ 6,664	\$ (3,370)	\$ 93	\$ 7,633	\$ 201.58	\$ (61.74)
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	42,685	\$ 3,320	\$ 5,211	\$ (2,635)	\$ 73	\$ 5,969	\$ 201.58	\$ (61.74)
Westlands	246,904	\$ 19,206	\$ 30,143	\$ (15,244)	\$ 423	\$ 34,528	\$ 201.58	\$ (61.74)
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	852,940	\$ 66,347	\$ 104,131	\$ (52,660)	\$ 1,461	\$ 119,279	\$ 201.58	\$ (61.74)

Supplemental: Fixed Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

Supplemental: Variable Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

CAISO Grid Management & Misc					
Participant	Special Charges		Misc Charges		
	Operating Reserves	IFM Uplift Obligation'	Other	GMC	Residual
Arvin-Edison	\$ 415	\$ 867	\$ 6,568	\$ 8,977	\$ 14,787
Banta-Carbona	\$ 49	\$ 103	\$ 796	\$ 1,088	\$ 1,793
Byron-Bethany	\$ 5	\$ 10	\$ 193	\$ 264	\$ 435
Cawelo	\$ 125	\$ 261	\$ 1,438	\$ 1,965	\$ 3,237
Glenn-Colusa	\$ 3	\$ 7	\$ 258	\$ 352	\$ 580
James	\$ 0	\$ 1	\$ 30	\$ 41	\$ 68
Lower Tule	\$ 61	\$ 128	\$ 705	\$ 964	\$ 1,587
Princeton	\$ 0	\$ 0	\$ 32	\$ 44	\$ 73
RD108	\$ 7	\$ 14	\$ 115	\$ 157	\$ 258
Santa Clara	\$ 100	\$ 208	\$ 1,173	\$ 1,603	\$ 2,640
Sonoma	\$ 178	\$ 371	\$ 2,100	\$ 2,870	\$ 4,728
West Stan	\$ 38	\$ 80	\$ 769	\$ 1,051	\$ 1,731
Westlands	\$ 30	\$ 64	\$ 906	\$ 1,239	\$ 2,041
Zone 7	\$ 21	\$ 44	\$ 236	\$ 323	\$ 532
PWRPA	\$ 1,031	\$ 2,157	\$ 15,320	\$ 20,938	\$ 34,490

Supplemental: Other				
Participant	RECs	Capacity	Carbon	Total Cost
Arvin-Edison	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	\$ -	\$ -	\$ -	\$ -
Cawelo	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	\$ -	\$ -	\$ -	\$ -
James	\$ -	\$ -	\$ -	\$ -
Lower Tule	\$ -	\$ -	\$ -	\$ -
Princeton	\$ -	\$ -	\$ -	\$ -
RD108	\$ -	\$ -	\$ -	\$ -
Santa Clara	\$ 7,179	\$ -	\$ -	\$ 7,179
Sonoma	\$ -	\$ -	\$ -	\$ -
West Stan	\$ -	\$ -	\$ -	\$ -
Westlands	\$ -	\$ -	\$ -	\$ -
Zone 7	\$ -	\$ -	\$ -	\$ -
PWRPA	\$ 7,179	\$ -	\$ -	\$ 7,179

**Power Water Resources Pooling Authority**  
October 2023

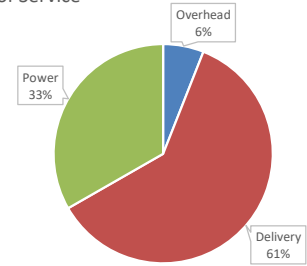
**Operations Reconciliation Summary: October 2023**

Participant	DLF Adjusted Energy (kWh)	Overhead			Delivery			Power				Total Costs	
		JPA Mgmt	Metering	ASA Utility Mgmt & Operations	Distribution	Transmission	Grid Mgmt	Load Cost	District-Specific Projects	Base Resource (w/ DP & Pooling)	Special Project Generation		Supplemental
Arvin-Edison	9,652,754	\$ 790	\$ 5,564	\$ 23,536	\$ 304,409	\$ 336,361	\$ 19,804	\$ 608,752	\$ -	\$ (252,470)	\$ 77,680	\$ -	\$ 1,124,425
Banta-Carbona	1,068,728	\$ 790	\$ 86	\$ 5,866	\$ -	\$ 37,241	\$ 2,148	\$ 67,389	\$ -	\$ (30,968)	\$ 7,966	\$ -	\$ 90,518
Byron-Bethany	282,712	\$ 790	\$ 86	\$ 3,492	\$ 9,769	\$ 9,851	\$ 533	\$ 17,445	\$ -	\$ (12,925)	\$ 2,424	\$ -	\$ 31,465
Cawelo	1,356,326	\$ 790	\$ 428	\$ 5,457	\$ 42,770	\$ 47,263	\$ 2,865	\$ 84,895	\$ -	\$ (23,585)	\$ 12,052	\$ -	\$ 172,934
Glenn-Colusa	641,921	\$ 790	\$ 1,113	\$ 4,653	\$ 12,772	\$ 22,195	\$ 1,232	\$ 40,259	\$ -	\$ (24,727)	\$ 7,989	\$ -	\$ 66,277
James	167,533	\$ 790	\$ 171	\$ 3,516	\$ 7,049	\$ 5,838	\$ 334	\$ 10,581	\$ -	\$ (5,438)	\$ 3,646	\$ -	\$ 26,487
Lower Tule	902,243	\$ 790	\$ 86	\$ 4,666	\$ 34,731	\$ 31,440	\$ 1,930	\$ 54,239	\$ -	\$ (13,940)	\$ -	\$ -	\$ 113,942
Princeton	486,477	\$ 790	\$ 86	\$ 3,661	\$ 19,169	\$ 7,030	\$ 999	\$ 31,699	\$ -	\$ (10,307)	\$ 4,116	\$ -	\$ 57,242
RD108	95,347	\$ 790	\$ 257	\$ 3,466	\$ 8,795	\$ 3,322	\$ 182	\$ 6,005	\$ -	\$ (4,036)	\$ 3,494	\$ -	\$ 22,276
Santa Clara	1,978,514	\$ 790	\$ 770	\$ 7,020	\$ 84,399	\$ 44,516	\$ 4,201	\$ 123,721	\$ -	\$ (29,888)	\$ 13,724	\$ 6,635	\$ 255,889
Sonoma	3,266,477	\$ 790	\$ 1,712	\$ 9,738	\$ 56,718	\$ 113,824	\$ 6,924	\$ 200,636	\$ 1,448	\$ (50,390)	\$ 32,221	\$ -	\$ 373,622
West Stan	883,534	\$ 790	\$ 86	\$ 5,555	\$ 38,144	\$ 12,767	\$ 1,709	\$ 55,675	\$ -	\$ (35,456)	\$ 3,627	\$ -	\$ 82,897
Westlands	1,517,547	\$ 790	\$ 44,081	\$ 23,999	\$ 320,445	\$ 53,132	\$ 2,970	\$ 99,621	\$ (26,672)	\$ (189,387)	\$ 80,802	\$ -	\$ 409,781
Zone 7	420,899	\$ 790	\$ 428	\$ 4,107	\$ 52,827	\$ 8,754	\$ 896	\$ 25,874	\$ -	\$ (5,912)	\$ 2,836	\$ -	\$ 90,600
<b>TOTAL</b>	<b>22,721,011</b>	<b>\$ 11,062</b>	<b>\$ 54,952</b>	<b>\$ 108,729</b>	<b>\$ 992,001</b>	<b>\$ 733,535</b>	<b>\$ 46,727</b>	<b>\$ 1,426,793</b>	<b>\$ (25,225)</b>	<b>\$ (689,430)</b>	<b>\$ 252,578</b>	<b>\$ 6,635</b>	<b>\$ 2,918,356</b>
Percent of total cost		0.38%	1.88%	3.73%	33.99%	25.14%	1.60%	48.89%	-0.86%	-23.62%	8.65%	0.23%	100.00%
Reference Index	10	11	12	13	14	15	16	17	18	19	20	21	22

**Summary of Costs as a Rate per Metered Energy (Cents per kWh)**

Participant	Metered Energy (kWh)	Cents per kWh							
		Overhead	Distribution	Transmission	Grid Mgmt	Load	Power Resources	Composite Rate	
Arvin-Edison	9,402,092	\$ 0.32	\$ 3.24	\$ 3.58	\$ 0.21	\$ 6.47	\$ (1.86)	\$ 11.96	
Banta-Carbona	1,068,728	\$ 0.63	\$ -	\$ 3.48	\$ 0.20	\$ 6.31	\$ (2.15)	\$ 8.47	
Byron-Bethany	277,609	\$ 1.57	\$ 3.52	\$ 3.55	\$ 0.19	\$ 6.28	\$ (3.78)	\$ 11.33	
Cawelo	1,271,448	\$ 0.52	\$ 3.36	\$ 3.72	\$ 0.23	\$ 6.68	\$ (0.91)	\$ 13.60	
Glenn-Colusa	635,970	\$ 1.03	\$ 2.01	\$ 3.49	\$ 0.19	\$ 6.33	\$ (2.63)	\$ 10.42	
James	164,517	\$ 2.72	\$ 4.28	\$ 3.55	\$ 0.20	\$ 6.43	\$ (1.09)	\$ 16.10	
Lower Tule	845,278	\$ 0.66	\$ 4.11	\$ 3.72	\$ 0.23	\$ 6.42	\$ (1.65)	\$ 13.48	
Princeton	477,792	\$ 0.95	\$ 4.01	\$ 1.47	\$ 0.21	\$ 6.63	\$ (1.30)	\$ 11.98	
RD108	92,097	\$ 4.90	\$ 9.55	\$ 3.61	\$ 0.20	\$ 6.52	\$ (0.59)	\$ 24.19	
Santa Clara	1,941,020	\$ 0.44	\$ 4.35	\$ 2.29	\$ 0.22	\$ 6.37	\$ (0.49)	\$ 13.18	
Sonoma	3,226,758	\$ 0.38	\$ 1.76	\$ 3.53	\$ 0.21	\$ 6.22	\$ (0.52)	\$ 11.58	
West Stan	867,472	\$ 0.74	\$ 4.40	\$ 1.47	\$ 0.20	\$ 6.42	\$ (3.67)	\$ 9.56	
Westlands	1,421,663	\$ 4.84	\$ 22.54	\$ 3.74	\$ 0.21	\$ 7.01	\$ (9.51)	\$ 28.82	
Zone 7	413,377	\$ 1.29	\$ 12.78	\$ 2.12	\$ 0.22	\$ 6.26	\$ (0.74)	\$ 21.92	
<b>PWRPA</b>	<b>22,105,819</b>	<b>\$ 0.79</b>	<b>\$ 4.49</b>	<b>\$ 3.32</b>	<b>\$ 0.21</b>	<b>\$ 6.45</b>	<b>\$ (2.06)</b>	<b>\$ 13.20</b>	
Reference Index	24			25				26	

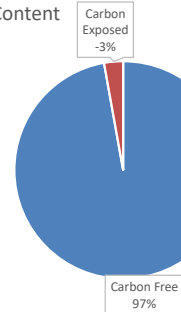
Cost of Service



**Summary of Energy Portfolio**

Participant	DLF Adjusted Energy (kWh)	Hydro	Solar	Lodi	Secured Supplemental	Total Resources	Net Short/(Long)	Carbon Free Load
Arvin-Edison	9,652,754	6,145,016	2,962,007	785,960	-	9,892,983	(240,230)	94%
Banta-Carbona	1,068,728	756,842	395,172	295,583	-	1,447,597	(378,869)	108%
Byron-Bethany	282,712	260,908	55,583	139,310	-	455,801	(173,089)	112%
Cawelo	1,356,326	722,676	866,714	248,768	-	1,838,158	(481,832)	117%
Glenn-Colusa	641,921	554,708	246,055	166,800	-	967,564	(325,643)	125%
James	167,533	123,003	77,750	131,892	-	332,645	(165,112)	120%
Lower Tule	902,243	438,667	-	-	-	438,667	463,576	49%
Princeton	486,477	307,447	83,240	139,257	-	529,944	(43,467)	80%
RD108	95,347	83,390	109,973	73,989	-	267,351	(172,004)	203%
Santa Clara	1,978,514	1,016,942	495,874	212,595	-	1,725,410	253,103	76%
Sonoma	3,266,477	1,698,893	933,100	-	-	2,631,994	634,483	81%
West Stan	883,534	740,074	370,552	166,249	-	1,276,874	(393,340)	126%
Westlands	1,517,547	1,614,111	1,983,214	961,647	-	4,558,972	(3,041,425)	237%
Zone 7	420,899	212,323	153,625	-	-	365,949	54,950	87%
<b>PWRPA</b>	<b>22,721,011</b>	<b>14,675,000</b>	<b>8,732,860</b>	<b>3,322,050</b>	<b>-</b>	<b>26,729,910</b>	<b>(4,008,899)</b>	<b>103%</b>
Percent of DLF Adjusted Energy:		65%	38%	15%	0%	118%		

Portfolio Content



**Load: Day-ahead Schedule and Realtime Imbalance**

Participant	Metered (kWh)	DLF Adjusted Energy (kWh)	DLF Factor	Peak (kW)	ISO Load Cost (\$)	Rate (\$/MWh)
Arvin-Edison	9,402,092	9,652,754	2.7%	27,988	\$ 608,752	\$ 63.07
Banta-Carbona	1,068,728	1,068,728	0.0%	1,968	\$ 67,389	\$ 63.06
Byron-Bethany	277,609	282,712	1.8%	607	\$ 17,445	\$ 61.71
Cawelo	1,271,448	1,356,326	6.7%	2,593	\$ 84,895	\$ 62.59
Glenn-Colusa	635,970	641,921	0.9%	1,603	\$ 40,259	\$ 62.72
James	164,517	167,533	1.8%	438	\$ 10,581	\$ 63.16
Lower Tule	845,278	902,243	6.7%	2,102	\$ 54,239	\$ 60.12
Princeton	477,792	486,477	1.8%	1,191	\$ 31,699	\$ 65.16
RD108	92,097	95,347	3.5%	530	\$ 6,005	\$ 62.98
Santa Clara	1,941,020	1,978,514	1.9%	4,368	\$ 123,721	\$ 62.53
Sonoma	3,226,758	3,266,477	1.2%	7,773	\$ 200,636	\$ 61.42
West Stan	867,472	883,534	1.9%	2,370	\$ 55,675	\$ 63.01
Westlands	1,421,663	1,517,547	6.7%	11,172	\$ 99,621	\$ 65.65
Zone 7	413,377	420,899	1.8%	2,014	\$ 25,874	\$ 61.47
PWRPA	22,105,819	22,721,011	2.8%	66,717	\$ 1,426,793	\$ 62.80

**District-Specific Projects: WSH (100% SCWA) and BOR (100% WWD)**

Participant	Energy (kWh)	Vendor Cost (\$)	ISO Credit (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ 1,448	\$ 1,448	\$ -	\$ -
West Stan	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Westlands	403,000	\$ -	\$ (27,741)	\$ 1,069	\$ (26,672)	\$ 2.65	\$ (68.84)
Zone 7	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
PWRPA	403,000	\$ -	\$ (27,741)	\$ 2,516	\$ (25,225)	\$ 6.24	\$ (68.84)

**Base Resource - Import, Displacement and Pooling**

Participant	ISO Import			Displacement			Pooling			WAPA Cost (\$)	Overhead (\$)	Resource Net			
	Energy (kWh)	ISO Settlement (\$)		Energy (kWh)	ISO Settlement (\$)	CVP Settlement (\$)	Energy (kWh)	Contract Cost/ (Credit)	ISO Settlement			Energy (kWh)	Cost / (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	2,803,212	\$ (206,093)		1,334,062	\$ (92,421)	\$ (18,234)	2,007,742	\$ 99,587	\$ (146,242)	\$ 109,076	\$ 1,858	6,145,016	\$ (252,470)	\$ 34.26	\$ (75.34)
Banta-Carbona	345,729	\$ (25,418)		164,534	\$ (11,399)	\$ (2,246)	246,580	\$ 12,089	\$ (17,676)	\$ 13,453	\$ 229	756,842	\$ (30,968)	\$ 34.05	\$ (74.97)
Byron-Bethany	186,886	\$ (13,740)		88,940	\$ (6,162)	\$ (774)	14,918	\$ (748)	\$ 1,103	\$ 7,272	\$ 124	260,908	\$ (12,925)	\$ 25.48	\$ (75.02)
Cawelo	166,029	\$ (12,207)		79,014	\$ (5,474)	\$ (2,144)	477,632	\$ 22,923	\$ (33,253)	\$ 6,460	\$ 110	722,676	\$ (23,585)	\$ 40.81	\$ (73.45)
Glenn-Colusa	312,371	\$ (22,966)		148,659	\$ (10,299)	\$ (1,646)	93,678	\$ 4,648	\$ (6,825)	\$ 12,155	\$ 207	554,708	\$ (24,727)	\$ 30.66	\$ (75.24)
James	66,143	\$ (4,863)		31,478	\$ (2,181)	\$ (365)	25,381	\$ 1,316	\$ (1,964)	\$ 2,574	\$ 44	123,003	\$ (5,438)	\$ 31.98	\$ (76.20)
Lower Tule	85,406	\$ (6,279)		40,645	\$ (2,816)	\$ (1,302)	312,616	\$ 15,165	\$ (22,088)	\$ 3,323	\$ 57	438,667	\$ (13,940)	\$ 42.28	\$ (74.05)
Princeton	70,076	\$ (5,152)		33,349	\$ (2,310)	\$ (912)	204,022	\$ 10,085	\$ (14,790)	\$ 2,727	\$ 46	307,447	\$ (10,307)	\$ 41.82	\$ (75.35)
RD108	55,981	\$ (4,116)		26,642	\$ (1,846)	\$ (247)	767	\$ 62	\$ (105)	\$ 2,178	\$ 37	83,390	\$ (4,036)	\$ 27.32	\$ (75.71)
Santa Clara	141,174	\$ (10,379)		67,185	\$ (4,654)	\$ (3,018)	808,583	\$ 38,741	\$ (56,165)	\$ 5,493	\$ 94	1,016,942	\$ (29,888)	\$ 43.59	\$ (72.98)
Sonoma	258,171	\$ (18,981)		122,865	\$ (8,512)	\$ (5,041)	1,317,858	\$ 62,817	\$ (90,889)	\$ 10,046	\$ 171	1,698,893	\$ (50,390)	\$ 42.99	\$ (72.65)
West Stan	485,893	\$ (35,723)		231,239	\$ (16,020)	\$ (2,196)	22,942	\$ 1,351	\$ (2,097)	\$ 18,907	\$ 322	740,074	\$ (35,456)	\$ 27.81	\$ (75.72)
Westlands	4,672,033	\$ (343,489)		2,223,443	\$ (154,036)	\$ (3,594)	(5,684,365)	\$ (276,705)	\$ 403,546	\$ 181,793	\$ 3,097	1,211,111	\$ (189,387)	\$ (75.81)	\$ (80.57)
Zone 7	20,896	\$ (1,536)		9,945	\$ (689)	\$ (630)	181,482	\$ 8,668	\$ (12,552)	\$ 813	\$ 14	212,323	\$ (5,912)	\$ 44.72	\$ (72.56)
PWRPA	9,670,000	\$ (710,941)		4,602,000	\$ (318,818)	\$ (42,350)	(0)	\$ 0	\$ (0)	\$ 376,269	\$ 6,410	14,272,000	\$ (689,430)	\$ 26.81	\$ (75.12)

Specific Projects: Astoria							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	653,788	\$ 52,453	\$ (11,631)	\$ 757	\$ 41,579	\$ 81.39	\$ (17.79)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	102,128	\$ 8,194	\$ (1,817)	\$ 118	\$ 6,495	\$ 81.39	\$ (17.79)
Glenn-Colusa	54,030	\$ 4,335	\$ (961)	\$ 63	\$ 3,436	\$ 81.39	\$ (17.79)
James	13,742	\$ 1,103	\$ (244)	\$ 16	\$ 874	\$ 81.39	\$ (17.79)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	19,232	\$ 1,543	\$ (342)	\$ 22	\$ 1,223	\$ 81.39	\$ (17.79)
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	68,352	\$ 5,484	\$ (1,216)	\$ 79	\$ 4,347	\$ 81.39	\$ (17.79)
Sonoma	178,596	\$ 14,329	\$ (3,177)	\$ 207	\$ 11,358	\$ 81.39	\$ (17.79)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	589,493	\$ 47,294	\$ (10,487)	\$ 683	\$ 37,490	\$ 81.39	\$ (17.79)
Zone 7	25,609	\$ 2,055	\$ (456)	\$ 30	\$ 1,629	\$ 81.39	\$ (17.79)
PWRPA	1,704,970	\$ 136,788	\$ (30,332)	\$ 1,975	\$ 108,431	\$ 81.39	\$ (17.79)

Specific Projects: Whitney Point							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	726,907	\$ 42,706	\$ (16,730)	\$ 927	\$ 26,903	\$ 60.03	\$ (23.02)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	62,300	\$ 3,660	\$ (1,434)	\$ 79	\$ 2,306	\$ 60.03	\$ (23.02)
James	20,767	\$ 1,220	\$ (478)	\$ 26	\$ 769	\$ 60.03	\$ (23.02)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	20,767	\$ 1,220	\$ (478)	\$ 26	\$ 769	\$ 60.03	\$ (23.02)
RD108	51,928	\$ 3,051	\$ (1,195)	\$ 66	\$ 1,922	\$ 60.03	\$ (23.02)
Santa Clara	155,762	\$ 9,151	\$ (3,585)	\$ 199	\$ 5,765	\$ 60.03	\$ (23.02)
Sonoma	581,539	\$ 34,165	\$ (13,384)	\$ 742	\$ 21,523	\$ 60.03	\$ (23.02)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	623,073	\$ 36,606	\$ (14,340)	\$ 794	\$ 23,060	\$ 60.03	\$ (23.02)
Zone 7	41,534	\$ 2,440	\$ (956)	\$ 53	\$ 1,537	\$ 60.03	\$ (23.02)
PWRPA	2,284,577	\$ 134,219	\$ (52,580)	\$ 2,913	\$ 84,551	\$ 60.03	\$ (23.02)

Specific Projects: Slate												
Participant	Solar Energy (kWh)	Solar Cost (\$)	Solar ISO Settlement (\$)	Solar Overhead (\$)	Battery Energy (kWh)	Battery Cost (\$)	Battery ISO Settlement (\$)	Battery Overhead (\$)	Net Energy (kWh)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	1,556,693	\$ 45,519	\$ (58,404)	\$ 6,950	24,620	\$ 6,626	\$ (4,700)	\$ 287	1,581,313	\$ (3,723)	\$ 37.55	\$ (39.91)
Banta-Carbona	345,932	\$ 10,115	\$ (12,979)	\$ 1,544	49,240	\$ 13,251	\$ (9,400)	\$ 574	395,172	\$ 3,107	\$ 64.49	\$ (56.63)
Byron-Bethany	51,890	\$ 1,517	\$ (1,947)	\$ 232	3,693	\$ 994	\$ (705)	\$ 43	55,583	\$ 134	\$ 50.12	\$ (47.71)
Cawelo	717,808	\$ 20,989	\$ (26,931)	\$ 3,205	46,778	\$ 12,589	\$ (8,930)	\$ 545	764,586	\$ 1,468	\$ 48.82	\$ (46.90)
Glenn-Colusa	129,724	\$ 3,793	\$ (4,867)	\$ 579	-	\$ -	\$ -	\$ -	129,724	\$ (495)	\$ 33.71	\$ (37.52)
James	43,241	\$ 1,264	\$ (1,622)	\$ 193	-	\$ -	\$ -	\$ -	43,241	\$ (165)	\$ 33.71	\$ (37.52)
Lower Tule	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	43,241	\$ 1,264	\$ (1,622)	\$ 193	-	\$ -	\$ -	\$ -	43,241	\$ (165)	\$ 33.71	\$ (37.52)
RD108	51,890	\$ 1,517	\$ (1,947)	\$ 232	6,155	\$ 1,656	\$ (1,175)	\$ 72	58,045	\$ 355	\$ 59.90	\$ (53.78)
Santa Clara	259,449	\$ 7,586	\$ (9,734)	\$ 1,158	12,310	\$ 3,313	\$ (2,350)	\$ 143	271,759	\$ 117	\$ 44.90	\$ (44.47)
Sonoma	172,966	\$ 5,058	\$ (6,489)	\$ 772	-	\$ -	\$ -	\$ -	172,966	\$ (659)	\$ 33.71	\$ (37.52)
West Stan	345,932	\$ 10,115	\$ (12,979)	\$ 1,544	24,620	\$ 6,626	\$ (4,700)	\$ 287	370,552	\$ 894	\$ 50.12	\$ (47.71)
Westlands	691,863	\$ 20,231	\$ (25,957)	\$ 3,089	78,784	\$ 21,202	\$ (15,039)	\$ 918	770,648	\$ 4,443	\$ 58.96	\$ (53.20)
Zone 7	86,483	\$ 2,529	\$ (3,245)	\$ 386	-	\$ -	\$ -	\$ -	86,483	\$ (330)	\$ 33.71	\$ (37.52)
PWRPA	4,497,112	\$ 131,499	\$ (168,722)	\$ 20,077	246,201	\$ 66,257	\$ (46,998)	\$ 2,870	4,743,313	\$ 4,982	\$ 46.53	\$ (45.48)

Specific Projects: Lodi Energy Center								
Participant	Energy (kWh)	Debt Cost (\$)	Energy & GHG Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	785,960	\$ 15,697	\$ 58,931	\$ (62,169)	\$ 462	\$ 12,921	\$ 95.54	\$ (79.10)
Banta-Carbona	295,583	\$ 5,903	\$ 22,163	\$ (23,380)	\$ 174	\$ 4,859	\$ 95.54	\$ (79.10)
Byron-Bethany	139,310	\$ 2,782	\$ 10,446	\$ (11,019)	\$ 82	\$ 2,290	\$ 95.54	\$ (79.10)
Cawelo	248,768	\$ 4,968	\$ 18,653	\$ (19,677)	\$ 146	\$ 4,090	\$ 95.54	\$ (79.10)
Glenn-Colusa	166,800	\$ 3,331	\$ 12,507	\$ (13,194)	\$ 98	\$ 2,742	\$ 95.54	\$ (79.10)
James	131,892	\$ 2,634	\$ 9,889	\$ (10,433)	\$ 77	\$ 2,168	\$ 95.54	\$ (79.10)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	139,257	\$ 2,781	\$ 10,442	\$ (11,015)	\$ 82	\$ 2,289	\$ 95.54	\$ (79.10)
RD108	73,989	\$ 1,478	\$ 5,548	\$ (5,852)	\$ 43	\$ 1,216	\$ 95.54	\$ (79.10)
Santa Clara	212,595	\$ 4,246	\$ 15,940	\$ (16,816)	\$ 125	\$ 3,495	\$ 95.54	\$ (79.10)
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	166,249	\$ 3,320	\$ 12,465	\$ (13,150)	\$ 98	\$ 2,733	\$ 95.54	\$ (79.10)
Westlands	961,647	\$ 19,206	\$ 72,105	\$ (76,066)	\$ 565	\$ 15,809	\$ 95.54	\$ (79.10)
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	3,322,050	\$ 66,347	\$ 249,088	\$ (262,773)	\$ 1,951	\$ 54,614	\$ 95.54	\$ (79.10)

Supplemental: Fixed Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

Supplemental: Variable Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

CAISO Grid Management & Misc						
Participant	Special Charges			Misc Charges		
	Operating Reserves	IFM Uplift Obligation'	Other	GMC	Residual	
Arvin-Edison	\$ 850	\$ 1,200	\$ 4,267	\$ 7,816	\$ 5,671	
Banta-Carbona	\$ 76	\$ 107	\$ 472	\$ 865	\$ 628	
Byron-Bethany	\$ 5	\$ 7	\$ 125	\$ 229	\$ 166	
Cawelo	\$ 154	\$ 217	\$ 600	\$ 1,098	\$ 797	
Glenn-Colusa	\$ 21	\$ 30	\$ 284	\$ 520	\$ 377	
James	\$ 11	\$ 15	\$ 74	\$ 136	\$ 98	
Lower Tule	\$ 112	\$ 159	\$ 399	\$ 731	\$ 530	
Princeton	\$ 43	\$ 61	\$ 215	\$ 394	\$ 286	
RD108	\$ 3	\$ 4	\$ 42	\$ 77	\$ 56	
Santa Clara	\$ 233	\$ 329	\$ 875	\$ 1,602	\$ 1,162	
Sonoma	\$ 380	\$ 536	\$ 1,444	\$ 2,645	\$ 1,919	
West Stan	\$ 35	\$ 49	\$ 391	\$ 715	\$ 519	
Westlands	\$ 74	\$ 105	\$ 671	\$ 1,229	\$ 892	
Zone 7	\$ 51	\$ 71	\$ 186	\$ 341	\$ 247	
PWRPA	\$ 2,048	\$ 2,889	\$ 10,043	\$ 18,398	\$ 13,349	

Supplemental: Other				
Participant	RECs	Capacity	Carbon	Total Cost
Arvin-Edison	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	\$ -	\$ -	\$ -	\$ -
Cawelo	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	\$ -	\$ -	\$ -	\$ -
James	\$ -	\$ -	\$ -	\$ -
Lower Tule	\$ -	\$ -	\$ -	\$ -
Princeton	\$ -	\$ -	\$ -	\$ -
RD108	\$ -	\$ -	\$ -	\$ -
Santa Clara	\$ 6,635	\$ -	\$ -	\$ 6,635
Sonoma	\$ -	\$ -	\$ -	\$ -
West Stan	\$ -	\$ -	\$ -	\$ -
Westlands	\$ -	\$ -	\$ -	\$ -
Zone 7	\$ -	\$ -	\$ -	\$ -
PWRPA	\$ 6,635	\$ -	\$ -	\$ 6,635

**Power Water Resources Pooling Authority**  
November 2023

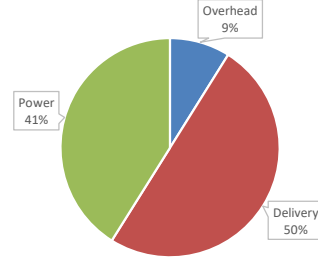
**Operations Reconciliation Summary: November 2023**

Participant	DLF Adjusted Energy (kWh)	Overhead			Delivery			Power				Total Costs	
		JPA Mgmt	Metering	ASA Utility Mgmt & Operations	Distribution	Transmission	Grid Mgmt	Load Cost	District-Specific Projects	Base Resource (w/ DP & Pooling)	Special Project Generation		Supplemental
Arvin-Edison	6,170,189	\$ 471	\$ 6,093	\$ 25,408	\$ 273,807	\$ 215,062	\$ (106,462)	\$ 376,473	\$ -	\$ (94,498)	\$ 54,366	\$ 360	\$ 751,079
Banta-Carbona	381,795	\$ 471	\$ 94	\$ 6,528	\$ -	\$ 13,307	\$ (6,592)	\$ 23,859	\$ -	\$ (8,975)	\$ 12,349	\$ -	\$ 41,041
Byron-Bethany	59,782	\$ 471	\$ 94	\$ 4,074	\$ 7,358	\$ 2,084	\$ (1,036)	\$ 3,900	\$ -	\$ (3,662)	\$ 2,839	\$ -	\$ 16,122
Cawelo	400,740	\$ 471	\$ 469	\$ 5,719	\$ 17,154	\$ 13,968	\$ (6,912)	\$ 24,988	\$ -	\$ (5,637)	\$ 13,850	\$ -	\$ 64,069
Glenn-Colusa	1,243,590	\$ 471	\$ 1,219	\$ 6,400	\$ 15,110	\$ 42,854	\$ (21,434)	\$ 75,807	\$ -	\$ (12,884)	\$ 5,924	\$ -	\$ 113,468
James	148,894	\$ 471	\$ 187	\$ 4,321	\$ 14,845	\$ 5,190	\$ (2,569)	\$ 9,260	\$ -	\$ (2,251)	\$ 3,111	\$ -	\$ 32,565
Lower Tule	586,197	\$ 471	\$ 94	\$ 5,452	\$ 34,132	\$ 20,432	\$ (10,097)	\$ 36,079	\$ -	\$ (4,721)	\$ -	\$ -	\$ 81,841
Princeton	603,397	\$ 471	\$ 94	\$ 4,674	\$ 20,061	\$ 8,722	\$ (10,391)	\$ 37,016	\$ -	\$ (4,233)	\$ 3,431	\$ -	\$ 59,845
RD108	162,907	\$ 471	\$ 281	\$ 4,348	\$ 10,709	\$ 5,678	\$ (2,810)	\$ 9,821	\$ -	\$ (2,088)	\$ 3,403	\$ 6,465	\$ 36,279
Santa Clara	1,528,790	\$ 471	\$ 844	\$ 8,234	\$ 75,193	\$ 34,075	\$ (26,324)	\$ 94,735	\$ -	\$ (9,949)	\$ 11,199	\$ 4,870	\$ 193,347
Sonoma	2,346,428	\$ 471	\$ 1,875	\$ 11,086	\$ 48,428	\$ 81,785	\$ (40,410)	\$ 141,956	\$ 1,189	\$ (16,305)	\$ 20,002	\$ -	\$ 250,077
West Stan	113,256	\$ 471	\$ 94	\$ 6,039	\$ 18,435	\$ 1,637	\$ (1,969)	\$ 6,967	\$ -	\$ (9,271)	\$ 6,048	\$ -	\$ 28,452
Westlands	1,014,508	\$ 471	\$ 48,274	\$ 26,934	\$ 272,453	\$ 35,361	\$ (17,611)	\$ 65,231	\$ (5,080)	\$ (85,407)	\$ 63,776	\$ -	\$ 404,403
Zone 7	341,522	\$ 471	\$ 469	\$ 4,984	\$ 38,009	\$ 7,202	\$ (5,880)	\$ 20,617	\$ -	\$ (1,944)	\$ 1,699	\$ 6,010	\$ 71,637
<b>TOTAL</b>	<b>15,101,996</b>	<b>\$ 6,592</b>	<b>\$ 60,179</b>	<b>\$ 124,203</b>	<b>\$ 845,695</b>	<b>\$ 487,356</b>	<b>\$ (260,496)</b>	<b>\$ 926,708</b>	<b>\$ (3,890)</b>	<b>\$ (261,825)</b>	<b>\$ 201,996</b>	<b>\$ 17,705</b>	<b>\$ 2,144,223</b>
Percent of total cost		0.31%	2.81%	5.79%	39.44%	22.73%	-12.15%	43.22%	-0.18%	-12.21%	9.42%	0.83%	100.00%
Reference Index	10	11	12	13	14	15	16	17	18	19	20	21	22

**Summary of Costs as a Rate per Metered Energy (Cents per kWh)**

Participant	Metered Energy (kWh)	Cents per kWh							Composite Rate
		Overhead	Distribution	Transmission	Grid Mgmt	Load	Power Resources		
Arvin-Edison	6,009,063	\$ 0.53	\$ 4.56	\$ 3.58	\$ (1.77)	\$ 6.27	\$ (0.66)	\$ 12.50	
Banta-Carbona	381,795	\$ 1.86	\$ -	\$ 3.49	\$ (1.73)	\$ 6.25	\$ 0.88	\$ 10.75	
Byron-Bethany	58,725	\$ 7.90	\$ 12.53	\$ 3.55	\$ (1.76)	\$ 6.64	\$ (1.40)	\$ 27.45	
Cawelo	376,482	\$ 1.77	\$ 4.56	\$ 3.71	\$ (1.84)	\$ 6.64	\$ 2.18	\$ 17.02	
Glenn-Colusa	1,228,794	\$ 0.66	\$ 1.23	\$ 3.49	\$ (1.74)	\$ 6.17	\$ (0.57)	\$ 9.23	
James	146,276	\$ 3.40	\$ 10.15	\$ 3.55	\$ (1.76)	\$ 6.33	\$ 0.59	\$ 22.26	
Lower Tule	549,713	\$ 1.09	\$ 6.21	\$ 3.72	\$ (1.84)	\$ 6.56	\$ (0.86)	\$ 14.89	
Princeton	592,816	\$ 0.88	\$ 3.38	\$ 1.47	\$ (1.75)	\$ 6.24	\$ (0.14)	\$ 10.09	
RD108	155,856	\$ 3.27	\$ 6.87	\$ 3.64	\$ (1.80)	\$ 6.30	\$ 4.99	\$ 23.28	
Santa Clara	1,500,367	\$ 0.64	\$ 5.01	\$ 2.27	\$ (1.75)	\$ 6.31	\$ 0.41	\$ 12.89	
Sonoma	2,323,095	\$ 0.58	\$ 2.08	\$ 3.52	\$ (1.74)	\$ 6.11	\$ 0.21	\$ 10.76	
West Stan	111,261	\$ 5.94	\$ 16.57	\$ 1.47	\$ (1.77)	\$ 6.26	\$ (2.90)	\$ 25.57	
Westlands	951,154	\$ 7.96	\$ 28.64	\$ 3.72	\$ (1.85)	\$ 6.86	\$ (2.81)	\$ 42.52	
Zone 7	335,565	\$ 1.77	\$ 11.33	\$ 2.15	\$ (1.75)	\$ 6.14	\$ 1.72	\$ 21.35	
<b>PWRPA</b>	<b>14,720,961</b>	<b>\$ 1.30</b>	<b>\$ 5.74</b>	<b>\$ 3.31</b>	<b>\$ (1.77)</b>	<b>\$ 6.30</b>	<b>\$ (0.31)</b>	<b>\$ 14.57</b>	
Reference Index	24			25				26	

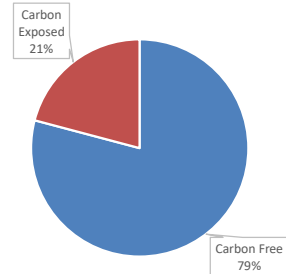
Cost of Service



**Summary of Energy Portfolio**

Participant	DLF Adjusted Energy (kWh)	Hydro	Solar	Lodi	Secured Supplemental	Total Resources	Net Short/(Long)	Carbon Free Load
Arvin-Edison	6,170,189	2,413,440	2,142,487	424,959	-	4,980,886	1,189,303	74%
Banta-Carbona	381,795	171,730	263,488	159,818	-	595,036	(213,241)	114%
Byron-Bethany	59,782	44,627	37,044	75,323	-	156,993	(97,211)	137%
Cawelo	400,740	143,759	597,366	134,506	-	875,631	(474,891)	185%
Glenn-Colusa	1,243,590	376,024	178,025	90,187	-	644,235	599,355	45%
James	148,894	57,089	55,671	71,312	-	184,072	(35,178)	76%
Lower Tule	586,197	150,248	-	-	-	150,248	435,949	26%
Princeton	603,397	141,961	60,392	75,294	-	277,648	325,750	34%
RD108	162,907	57,866	76,331	40,005	-	174,202	(11,295)	82%
Santa Clara	1,528,790	345,449	352,752	114,947	-	813,148	715,642	46%
Sonoma	2,346,428	561,772	690,262	-	-	1,252,034	1,094,394	53%
West Stan	113,256	113,180	246,957	89,889	-	450,025	(336,769)	318%
Westlands	1,014,508	1,014,508	1,472,251	519,950	-	3,006,709	(1,992,201)	245%
Zone 7	341,522	72,346	109,730	-	-	182,076	159,446	53%
<b>PWRPA</b>	<b>15,101,996</b>	<b>5,664,000</b>	<b>6,282,755</b>	<b>1,796,190</b>	<b>-</b>	<b>13,742,945</b>	<b>1,359,051</b>	<b>79%</b>
Percent of DLF Adjusted Energy:		38%	42%	12%	0%	91%		

Portfolio Content



**Load: Day-ahead Schedule and Realtime Imbalance**

Participant	Metered (kWh)	DLF Adjusted Energy (kWh)	DLF Factor	Peak (kW)	ISO Load Cost (\$)	Rate (\$/MWh)
Arvin-Edison	6,009,063	6,170,189	2.7%	25,207	\$ 376,473	\$ 61.01
Banta-Carbona	381,795	381,795	0.0%	1,639	\$ 23,859	\$ 62.49
Byron-Bethany	58,725	59,782	1.8%	458	\$ 3,900	\$ 65.24
Cawelo	376,482	400,740	6.4%	1,835	\$ 24,988	\$ 62.35
Glenn-Colusa	1,228,794	1,243,590	1.2%	3,772	\$ 75,807	\$ 60.96
James	146,276	148,894	1.8%	923	\$ 9,260	\$ 62.19
Lower Tule	549,713	586,197	6.6%	2,064	\$ 36,079	\$ 61.55
Princeton	592,816	603,397	1.8%	2,356	\$ 37,016	\$ 61.35
RD108	155,856	162,907	4.5%	643	\$ 9,821	\$ 60.29
Santa Clara	1,500,367	1,528,790	1.9%	4,297	\$ 94,735	\$ 61.97
Sonoma	2,323,095	2,346,428	1.0%	8,886	\$ 141,956	\$ 60.50
West Stan	111,261	113,256	1.8%	1,145	\$ 6,967	\$ 61.52
Westlands	951,154	1,014,508	6.7%	9,275	\$ 65,231	\$ 64.30
Zone 7	335,565	341,522	1.8%	1,688	\$ 20,617	\$ 60.37
PWRPA	14,720,961	15,101,996	2.6%	64,187	\$ 926,708	\$ 61.36

**District-Specific Projects: WSH (100% SCWA) and BOR (100% WWD)**

Participant	Energy (kWh)	Vendor Cost (\$)	ISO Credit (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ 1,189	\$ 1,189	\$ -	\$ -
West Stan	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Westlands	120,000	\$ -	\$ (6,097)	\$ 1,018	\$ (5,080)	\$ 8.48	\$ (50.81)
Zone 7	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
PWRPA	120,000	\$ -	\$ (6,097)	\$ 2,207	\$ (3,890)	\$ 18.39	\$ (50.81)

**Base Resource - Import, Displacement and Pooling**

Participant	ISO Import			Displacement			Pooling			WAPA Cost (\$)	Overhead (\$)	Resource Net			
	Energy (kWh)	ISO Settlement (\$)		Energy (kWh)	ISO Settlement (\$)	CVP Settlement (\$)	Energy (kWh)	Contract Cost/ (Credit)	ISO Settlement			Energy (kWh)	Cost / (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	1,607,136	\$ (120,046)	-	\$ -	\$ -	-	806,304	\$ 39,856	\$ (58,454)	\$ 42,371	\$ 1,775	2,413,440	\$ (94,498)	\$ 34.81	\$ (73.96)
Banta-Carbona	198,213	\$ (14,806)	-	\$ -	\$ -	-	(26,483)	\$ (1,085)	\$ 1,471	\$ 5,226	\$ 219	171,730	\$ (8,975)	\$ 25.39	\$ (77.65)
Byron-Bethany	107,145	\$ (8,003)	-	\$ -	\$ -	-	(62,519)	\$ (3,047)	\$ 4,445	\$ 2,825	\$ 118	44,627	\$ (3,662)	\$ (2.32)	\$ (79.73)
Cawelo	95,188	\$ (7,110)	-	\$ -	\$ -	-	48,571	\$ 2,422	\$ (3,564)	\$ 2,510	\$ 105	143,759	\$ (5,637)	\$ 35.04	\$ (74.25)
Glenn-Colusa	179,089	\$ (13,377)	-	\$ -	\$ -	-	196,935	\$ 9,618	\$ (14,044)	\$ 4,722	\$ 198	376,024	\$ (12,884)	\$ 38.66	\$ (72.92)
James	37,921	\$ (2,833)	-	\$ -	\$ -	-	19,167	\$ 965	\$ (1,425)	\$ 1,000	\$ 42	57,089	\$ (2,251)	\$ 35.16	\$ (74.59)
Lower Tule	48,965	\$ (3,657)	-	\$ -	\$ -	-	101,284	\$ 5,079	\$ (7,487)	\$ 1,291	\$ 54	150,248	\$ (4,721)	\$ 42.75	\$ (74.17)
Princeton	40,176	\$ (3,001)	-	\$ -	\$ -	-	101,785	\$ 5,019	\$ (7,355)	\$ 1,059	\$ 44	141,961	\$ (4,233)	\$ 43.13	\$ (72.95)
RD108	32,095	\$ (2,397)	-	\$ -	\$ -	-	25,771	\$ 1,252	\$ (1,824)	\$ 846	\$ 35	57,866	\$ (2,088)	\$ 36.87	\$ (72.95)
Santa Clara	80,938	\$ (6,046)	-	\$ -	\$ -	-	264,511	\$ 13,100	\$ (19,226)	\$ 2,134	\$ 89	345,449	\$ (9,949)	\$ 44.36	\$ (73.16)
Sonoma	148,014	\$ (11,056)	-	\$ -	\$ -	-	413,758	\$ 20,224	\$ (29,539)	\$ 3,902	\$ 163	561,772	\$ (16,305)	\$ 43.24	\$ (72.26)
West Stan	278,572	\$ (20,808)	-	\$ -	\$ -	-	(165,392)	\$ (8,246)	\$ 12,131	\$ 7,344	\$ 308	113,180	\$ (9,271)	\$ (5.25)	\$ (76.67)
Westlands	2,678,568	\$ (200,076)	-	\$ -	\$ -	-	(1,784,060)	\$ (88,128)	\$ 129,220	\$ 70,618	\$ 2,959	894,508	\$ (85,407)	\$ (16.27)	\$ (79.21)
Zone 7	11,980	\$ (895)	-	\$ -	\$ -	-	60,366	\$ 2,970	\$ (4,348)	\$ 316	\$ 13	72,346	\$ (1,944)	\$ 45.60	\$ (72.47)
PWRPA	5,544,000	\$ (414,111)	-	\$ -	\$ -	-	0	\$ 0	\$ (0)	\$ 146,163	\$ 6,124	5,544,000	\$ (261,825)	\$ 27.47	\$ (74.70)



Specific Projects: Astoria							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	562,221	\$ 35,420	\$ (12,881)	\$ 801	\$ 23,341	\$ 64.43	\$ (22.91)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	87,824	\$ 5,533	\$ (2,012)	\$ 125	\$ 3,646	\$ 64.43	\$ (22.91)
Glenn-Colusa	46,463	\$ 2,927	\$ (1,065)	\$ 66	\$ 1,929	\$ 64.43	\$ (22.91)
James	11,817	\$ 744	\$ (271)	\$ 17	\$ 491	\$ 64.43	\$ (22.91)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	16,539	\$ 1,042	\$ (379)	\$ 24	\$ 687	\$ 64.43	\$ (22.91)
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	58,779	\$ 3,703	\$ (1,347)	\$ 84	\$ 2,440	\$ 64.43	\$ (22.91)
Sonoma	153,582	\$ 9,676	\$ (3,519)	\$ 219	\$ 6,376	\$ 64.43	\$ (22.91)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	506,932	\$ 31,937	\$ (11,614)	\$ 723	\$ 21,045	\$ 64.43	\$ (22.91)
Zone 7	22,022	\$ 1,387	\$ (505)	\$ 31	\$ 914	\$ 64.43	\$ (22.91)
PWRPA	1,466,180	\$ 92,370	\$ (33,592)	\$ 2,090	\$ 60,868	\$ 64.43	\$ (22.91)

Specific Projects: Whitney Point							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	526,821	\$ 30,951	\$ (13,974)	\$ 603	\$ 17,580	\$ 59.89	\$ (26.53)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	45,152	\$ 2,653	\$ (1,198)	\$ 52	\$ 1,507	\$ 59.89	\$ (26.53)
James	15,051	\$ 884	\$ (399)	\$ 17	\$ 502	\$ 59.89	\$ (26.53)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	15,051	\$ 884	\$ (399)	\$ 17	\$ 502	\$ 59.89	\$ (26.53)
RD108	37,635	\$ 2,211	\$ (998)	\$ 43	\$ 1,256	\$ 59.89	\$ (26.53)
Santa Clara	112,888	\$ 6,632	\$ (2,994)	\$ 129	\$ 3,767	\$ 59.89	\$ (26.53)
Sonoma	421,467	\$ 24,761	\$ (11,180)	\$ 483	\$ 14,064	\$ 59.89	\$ (26.53)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	451,568	\$ 26,530	\$ (11,978)	\$ 517	\$ 15,068	\$ 59.89	\$ (26.53)
Zone 7	30,101	\$ 1,768	\$ (798)	\$ 34	\$ 1,004	\$ 59.89	\$ (26.53)
PWRPA	1,655,733	\$ 97,274	\$ (43,919)	\$ 1,896	\$ 55,251	\$ 59.89	\$ (26.53)

Specific Projects: Slate												
Participant	Solar Energy (kWh)	Solar Cost (\$)	Solar ISO Settlement (\$)	Solar Overhead (\$)	Battery Energy (kWh)	Battery Cost (\$)	Battery ISO Settlement (\$)	Battery Overhead (\$)	Net Energy (kWh)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	1,036,914	\$ 30,910	\$ (41,167)	\$ 6,311	16,531	\$ 6,592	\$ (2,908)	\$ 433	1,053,445	\$ 170	\$ 42.00	\$ (41.84)
Banta-Carbona	230,425	\$ 6,869	\$ (9,148)	\$ 1,402	33,063	\$ 13,183	\$ (5,817)	\$ 866	263,488	\$ 7,356	\$ 84.71	\$ (56.80)
Byron-Bethany	34,564	\$ 1,030	\$ (1,372)	\$ 210	2,480	\$ 989	\$ (436)	\$ 65	37,044	\$ 486	\$ 61.94	\$ (48.82)
Cawelo	478,132	\$ 14,253	\$ (18,983)	\$ 2,910	31,410	\$ 12,524	\$ (5,526)	\$ 823	509,542	\$ 6,002	\$ 59.88	\$ (48.10)
Glenn-Colusa	86,409	\$ 2,576	\$ (3,431)	\$ 526	-	\$ -	\$ -	\$ -	86,409	\$ (329)	\$ 35.90	\$ (39.70)
James	28,803	\$ 859	\$ (1,144)	\$ 175	-	\$ -	\$ -	\$ -	28,803	\$ (110)	\$ 35.90	\$ (39.70)
Lower Tule	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	28,803	\$ 859	\$ (1,144)	\$ 175	-	\$ -	\$ -	\$ -	28,803	\$ (110)	\$ 35.90	\$ (39.70)
RD108	34,564	\$ 1,030	\$ (1,372)	\$ 210	4,133	\$ 1,648	\$ (727)	\$ 108	38,697	\$ 898	\$ 77.45	\$ (54.25)
Santa Clara	172,819	\$ 5,152	\$ (6,861)	\$ 1,052	8,266	\$ 3,296	\$ (1,454)	\$ 217	181,085	\$ 1,401	\$ 53.65	\$ (45.92)
Sonoma	115,213	\$ 3,434	\$ (4,574)	\$ 701	-	\$ -	\$ -	\$ -	115,213	\$ (438)	\$ 35.90	\$ (39.70)
West Stan	230,425	\$ 6,869	\$ (9,148)	\$ 1,402	16,531	\$ 6,592	\$ (2,908)	\$ 433	246,957	\$ 3,240	\$ 61.94	\$ (48.82)
Westlands	460,850	\$ 13,738	\$ (18,297)	\$ 2,805	52,901	\$ 21,094	\$ (9,307)	\$ 1,386	513,751	\$ 11,419	\$ 75.96	\$ (53.73)
Zone 7	57,606	\$ 1,717	\$ (2,287)	\$ 351	-	\$ -	\$ -	\$ -	57,606	\$ (219)	\$ 35.90	\$ (39.70)
PWRPA	2,995,528	\$ 89,296	\$ (118,928)	\$ 18,232	165,314	\$ 65,917	\$ (29,083)	\$ 4,331	3,160,842	\$ 29,765	\$ 56.24	\$ (46.83)

Specific Projects: Lodi Energy Center								
Participant	Energy (kWh)	Debt Cost (\$)	Energy & GHG Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	424,959	\$ 15,697	\$ 48,799	\$ (51,864)	\$ 644	\$ 13,276	\$ 153.28	\$ (122.04)
Banta-Carbona	159,818	\$ 5,903	\$ 18,352	\$ (19,505)	\$ 242	\$ 4,993	\$ 153.28	\$ (122.04)
Byron-Bethany	75,323	\$ 2,782	\$ 8,649	\$ (9,193)	\$ 114	\$ 2,353	\$ 153.28	\$ (122.04)
Cawelo	134,506	\$ 4,968	\$ 15,446	\$ (16,416)	\$ 204	\$ 4,202	\$ 153.28	\$ (122.04)
Glenn-Colusa	90,187	\$ 3,331	\$ 10,356	\$ (11,007)	\$ 137	\$ 2,817	\$ 153.28	\$ (122.04)
James	71,312	\$ 2,634	\$ 8,189	\$ (8,703)	\$ 108	\$ 2,228	\$ 153.28	\$ (122.04)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	75,294	\$ 2,781	\$ 8,646	\$ (9,189)	\$ 114	\$ 2,352	\$ 153.28	\$ (122.04)
RD108	40,005	\$ 1,478	\$ 4,594	\$ (4,882)	\$ 61	\$ 1,250	\$ 153.28	\$ (122.04)
Santa Clara	114,947	\$ 4,246	\$ 13,200	\$ (14,029)	\$ 174	\$ 3,591	\$ 153.28	\$ (122.04)
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	89,889	\$ 3,320	\$ 10,322	\$ (10,970)	\$ 136	\$ 2,808	\$ 153.28	\$ (122.04)
Westlands	519,950	\$ 19,206	\$ 59,707	\$ (63,457)	\$ 788	\$ 16,243	\$ 153.28	\$ (122.04)
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	1,796,190	\$ 66,347	\$ 206,259	\$ (219,216)	\$ 2,722	\$ 56,112	\$ 153.28	\$ (122.04)

Supplemental: Fixed Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

Supplemental: Variable Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

CAISO Grid Management & Misc						
Participant	Special Charges			Misc Charges		
	Operating Reserves	IFM Uplift Obligation'	Other	GMC	Residual	
Arvin-Edison	\$ 156	\$ 647	\$ 4,103	\$ 4,946	\$ (116,314)	
Banta-Carbona	\$ 9	\$ 36	\$ 254	\$ 306	\$ (7,197)	
Byron-Bethany	\$ 1	\$ 3	\$ 40	\$ 48	\$ (1,127)	
Cawelo	\$ 11	\$ 44	\$ 266	\$ 321	\$ (7,554)	
Glenn-Colusa	\$ 36	\$ 149	\$ 827	\$ 997	\$ (23,443)	
James	\$ 4	\$ 16	\$ 99	\$ 119	\$ (2,807)	
Lower Tule	\$ 18	\$ 75	\$ 390	\$ 470	\$ (11,050)	
Princeton	\$ 19	\$ 79	\$ 401	\$ 484	\$ (11,375)	
RD108	\$ 4	\$ 18	\$ 108	\$ 131	\$ (3,071)	
Santa Clara	\$ 49	\$ 204	\$ 1,017	\$ 1,226	\$ (28,819)	
Sonoma	\$ 74	\$ 307	\$ 1,560	\$ 1,881	\$ (44,232)	
West Stan	\$ 0	\$ 0	\$ 75	\$ 91	\$ (2,135)	
Westlands	\$ 5	\$ 21	\$ 675	\$ 813	\$ (19,124)	
Zone 7	\$ 11	\$ 46	\$ 227	\$ 274	\$ (6,438)	
PWRPA	\$ 396	\$ 1,646	\$ 10,043	\$ 12,106	\$ (284,687)	

Supplemental: Other				
Participant	RECs	Capacity	Carbon	Total Cost
Arvin-Edison	\$ 360	\$ -	\$ -	\$ 360
Banta-Carbona	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	\$ -	\$ -	\$ -	\$ -
Cawelo	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	\$ -	\$ -	\$ -	\$ -
James	\$ -	\$ -	\$ -	\$ -
Lower Tule	\$ -	\$ -	\$ -	\$ -
Princeton	\$ -	\$ -	\$ -	\$ -
RD108	\$ 6,465	\$ -	\$ -	\$ 6,465
Santa Clara	\$ 4,870	\$ -	\$ -	\$ 4,870
Sonoma	\$ -	\$ -	\$ -	\$ -
West Stan	\$ -	\$ -	\$ -	\$ -
Westlands	\$ -	\$ -	\$ -	\$ -
Zone 7	\$ 6,010	\$ -	\$ -	\$ 6,010
PWRPA	\$ 17,705	\$ -	\$ -	\$ 17,705

**Power Water Resources Pooling Authority**  
December 2023

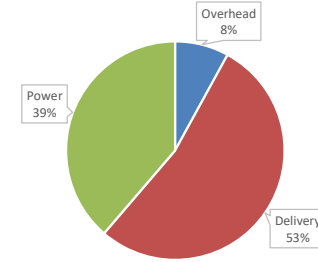
**Operations Reconciliation Summary: December 2023**

Participant	DLF Adjusted Energy (kWh)	Overhead			Delivery			Power				Total Costs	
		JPA Mgmt	Metering	ASA Utility Mgmt & Operations	Distribution	Transmission	Grid Mgmt	Load Cost	District-Specific Projects	Base Resource (w/ DP & Pooling)	Special Project Generation		Supplemental
Arvin-Edison	3,916,151	\$ 598	\$ 5,299	\$ 20,580	\$ 211,559	\$ 131,398	\$ 14,958	\$ 199,144	\$ -	\$ (31,375)	\$ 40,106	\$ 25,503	\$ 617,770
Banta-Carbona	47,763	\$ 598	\$ 82	\$ 4,949	\$ -	\$ 1,535	\$ 176	\$ 2,460	\$ -	\$ (2,490)	\$ 13,302	\$ 106,739	\$ 127,352
Byron-Bethany	43,981	\$ 598	\$ 82	\$ 3,269	\$ 3,012	\$ 1,422	\$ 166	\$ 2,550	\$ -	\$ (1,364)	\$ 2,643	\$ 7,309	\$ 19,686
Cawelo	373,714	\$ 598	\$ 408	\$ 4,773	\$ 18,016	\$ 13,775	\$ 1,433	\$ 19,809	\$ -	\$ (2,089)	\$ 14,157	\$ -	\$ 70,879
Glenn-Colusa	845,488	\$ 598	\$ 1,060	\$ 5,259	\$ 13,421	\$ 27,498	\$ 3,241	\$ 44,170	\$ -	\$ (4,218)	\$ 4,416	\$ 44,495	\$ 139,939
James	52,818	\$ 598	\$ 163	\$ 3,396	\$ 5,009	\$ 1,873	\$ 202	\$ 2,518	\$ -	\$ (535)	\$ 2,462	\$ 1,502	\$ 17,188
Lower Tule	361,626	\$ 598	\$ 82	\$ 4,390	\$ 34,225	\$ 12,887	\$ 1,389	\$ 17,374	\$ -	\$ (1,348)	\$ -	\$ -	\$ 69,597
Princeton	267,151	\$ 598	\$ 82	\$ 3,606	\$ 10,357	\$ 3,877	\$ 1,025	\$ 14,502	\$ -	\$ (1,130)	\$ 2,721	\$ 8,474	\$ 44,112
RD108	171,852	\$ 598	\$ 245	\$ 3,585	\$ 12,748	\$ 5,745	\$ 659	\$ 9,128	\$ -	\$ (801)	\$ 2,831	\$ -	\$ 34,739
Santa Clara	1,431,645	\$ 598	\$ 734	\$ 7,391	\$ 59,779	\$ 29,501	\$ 5,506	\$ 74,412	\$ -	\$ (3,324)	\$ 8,805	\$ 73,440	\$ 256,842
Sonoma	2,189,838	\$ 598	\$ 1,630	\$ 10,067	\$ 41,156	\$ 71,288	\$ 8,420	\$ 112,214	\$ 1,509	\$ (5,423)	\$ 11,839	\$ (346,624)	\$ (93,326)
West Stan	85,485	\$ 598	\$ 82	\$ 4,858	\$ 5,444	\$ 1,162	\$ 316	\$ 4,622	\$ -	\$ (3,887)	\$ 6,546	\$ 56,801	\$ 76,542
Westlands	1,275,667	\$ 598	\$ 41,982	\$ 20,553	\$ 233,686	\$ 42,091	\$ 4,765	\$ 65,821	\$ (1,730)	\$ (39,439)	\$ 52,181	\$ 147,570	\$ 568,077
Zone 7	337,947	\$ 598	\$ 408	\$ 4,183	\$ 39,106	\$ 6,701	\$ 1,300	\$ 17,384	\$ -	\$ (652)	\$ 1,041	\$ -	\$ 78,663
<b>TOTAL</b>	<b>11,401,126</b>	<b>\$ 8,377</b>	<b>\$ 52,334</b>	<b>\$ 100,859</b>	<b>\$ 687,517</b>	<b>\$ 350,753</b>	<b>\$ 43,555</b>	<b>\$ 586,107</b>	<b>\$ (221)</b>	<b>\$ (98,076)</b>	<b>\$ 163,050</b>	<b>\$ 133,804</b>	<b>\$ 2,028,059</b>
Percent of total cost		0.41%	2.58%	4.97%	33.90%	17.30%	2.15%	28.90%	-0.01%	-4.84%	8.04%	6.60%	100.00%
Reference Index	10	11	12	13	14	15	16	17	18	19	20	21	22

**Summary of Costs as a Rate per Metered Energy (Cents per kWh)**

Participant	Metered Energy (kWh)	Cents per kWh							
		Overhead	Distribution	Transmission	Grid Mgmt	Load	Power Resources	Composite Rate	
Arvin-Edison	3,836,016	\$ 0.69	\$ 5.52	\$ 3.43	\$ 0.39	\$ 5.19	\$ 0.89	\$ 16.10	
Banta-Carbona	47,763	\$ 11.79	\$ -	\$ 3.21	\$ 0.37	\$ 5.15	\$ 246.11	\$ 266.63	
Byron-Bethany	43,186	\$ 9.14	\$ 6.97	\$ 3.29	\$ 0.38	\$ 5.90	\$ 19.89	\$ 45.59	
Cawelo	350,533	\$ 1.65	\$ 5.14	\$ 3.93	\$ 0.41	\$ 5.65	\$ 3.44	\$ 20.22	
Glenn-Colusa	837,216	\$ 0.83	\$ 1.60	\$ 3.28	\$ 0.39	\$ 5.28	\$ 5.34	\$ 16.71	
James	51,878	\$ 8.01	\$ 9.66	\$ 3.61	\$ 0.39	\$ 4.85	\$ 6.61	\$ 33.13	
Lower Tule	338,829	\$ 1.50	\$ 10.10	\$ 3.80	\$ 0.41	\$ 5.13	\$ (0.40)	\$ 20.54	
Princeton	262,356	\$ 1.63	\$ 3.95	\$ 1.48	\$ 0.39	\$ 5.53	\$ 3.84	\$ 16.81	
RD108	163,851	\$ 2.70	\$ 7.78	\$ 3.51	\$ 0.40	\$ 5.57	\$ 1.24	\$ 21.20	
Santa Clara	1,404,384	\$ 0.62	\$ 4.26	\$ 2.10	\$ 0.39	\$ 5.30	\$ 5.62	\$ 18.29	
Sonoma	2,165,512	\$ 0.57	\$ 1.90	\$ 3.29	\$ 0.39	\$ 5.18	\$ (15.64)	\$ (4.31)	
West Stan	83,953	\$ 6.60	\$ 6.48	\$ 1.38	\$ 0.38	\$ 5.51	\$ 70.83	\$ 91.17	
Westlands	1,195,402	\$ 5.28	\$ 19.55	\$ 3.52	\$ 0.40	\$ 5.51	\$ 13.27	\$ 47.52	
Zone 7	331,921	\$ 1.56	\$ 11.78	\$ 2.02	\$ 0.39	\$ 5.24	\$ 2.71	\$ 23.70	
<b>PWRPA</b>	<b>11,112,797</b>	<b>\$ 1.45</b>	<b>\$ 6.19</b>	<b>\$ 3.16</b>	<b>\$ 0.39</b>	<b>\$ 5.27</b>	<b>\$ 1.79</b>	<b>\$ 18.25</b>	
Reference Index	24			25			26		

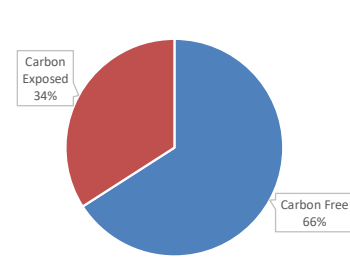
Cost of Service



**Summary of Energy Portfolio**

Participant	DLF Adjusted Energy (kWh)	Hydro	Solar	Lodi	Secured Supplemental	Total Resources	Net Short/(Long)	Carbon Free Load
Arvin-Edison	3,916,151	997,953	1,599,194	922,269	-	3,519,416	396,734	66%
Banta-Carbona	47,763	47,003	178,612	346,845	-	572,461	(524,698)	472%
Byron-Bethany	43,981	22,213	26,494	163,471	-	212,178	(168,197)	111%
Cawelo	373,714	64,467	435,489	291,912	-	791,868	(418,154)	134%
Glenn-Colusa	845,488	148,682	133,666	195,728	-	478,076	367,412	33%
James	52,818	13,450	41,658	154,766	-	209,874	(157,055)	104%
Lower Tule	361,626	48,504	-	-	-	48,504	313,122	13%
Princeton	267,151	40,680	45,385	163,408	-	249,473	17,678	32%
RD108	171,852	28,564	52,942	86,820	-	168,326	3,525	47%
Santa Clara	1,431,645	146,506	257,117	249,465	-	653,088	778,557	28%
Sonoma	2,189,838	231,702	502,543	-	-	734,245	1,455,593	34%
West Stan	85,485	80,779	176,626	195,081	-	452,486	(367,000)	301%
Westlands	1,275,667	1,013,831	1,070,825	1,128,425	-	3,213,081	(1,937,414)	163%
Zone 7	337,947	30,664	82,042	-	-	112,706	225,241	33%
<b>PWRPA</b>	<b>11,401,126</b>	<b>2,915,000</b>	<b>4,602,592</b>	<b>3,898,190</b>	<b>-</b>	<b>11,415,782</b>	<b>(14,656)</b>	<b>66%</b>
Percent of DLF Adjusted Energy:		26%	40%	34%	0%	100%		

Portfolio Content



**Load: Day-ahead Schedule and Realtime Imbalance**

Participant	Metered (kWh)	DLF Adjusted Energy (kWh)	DLF Factor	Peak (kW)	ISO Load Cost (\$)	Rate (\$/MWh)
Arvin-Edison	3,836,016	3,916,151	2.1%	15,944	\$ 199,144	\$ 50.85
Banta-Carbona	47,763	47,763	0.0%	208	\$ 2,460	\$ 51.51
Byron-Bethany	43,186	43,981	1.8%	187	\$ 2,550	\$ 57.97
Cawelo	350,533	373,714	6.6%	1,051	\$ 19,809	\$ 53.01
Glenn-Colusa	837,216	845,488	1.0%	1,890	\$ 44,170	\$ 52.24
James	51,878	52,818	1.8%	312	\$ 2,518	\$ 47.67
Lower Tule	338,829	361,626	6.7%	2,069	\$ 17,374	\$ 48.04
Princeton	262,356	267,151	1.8%	643	\$ 14,502	\$ 54.28
RD108	163,851	171,852	4.9%	775	\$ 9,128	\$ 53.11
Santa Clara	1,404,384	1,431,645	1.9%	3,104	\$ 74,412	\$ 51.98
Sonoma	2,165,512	2,189,838	1.1%	4,946	\$ 112,214	\$ 51.24
West Stan	83,953	85,485	1.8%	338	\$ 4,622	\$ 54.07
Westlands	1,195,402	1,275,667	6.7%	7,256	\$ 65,821	\$ 51.60
Zone 7	331,921	337,947	1.8%	1,480	\$ 17,384	\$ 51.44
PWRPA	11,112,797	11,401,126	2.6%	40,203	\$ 586,107	\$ 51.41

**District-Specific Projects: WSH (100% SCWA) and BOR (100% WWD)**

Participant	Energy (kWh)	Vendor Cost (\$)	ISO Credit (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ 1,509	\$ 1,509	\$ -	\$ -
West Stan	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Westlands	62,000	\$ -	\$ (2,747)	\$ 1,018	\$ (1,730)	\$ 16.41	\$ (44.31)
Zone 7	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
PWRPA	62,000	\$ -	\$ (2,747)	\$ 2,526	\$ (221)	\$ 40.75	\$ (44.31)

**Base Resource - Import, Displacement and Pooling**

Participant	ISO Import			Displacement			Pooling			WAPA Cost (\$)	Overhead (\$)	Resource Net			
	Energy (kWh)	ISO Settlement (\$)		Energy (kWh)	ISO Settlement (\$)	CVP Settlement (\$)	Energy (kWh)	Contract Cost/ (Credit)	ISO Settlement			Energy (kWh)	Cost / (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	827,049	\$ (51,700)	-	\$ -	\$ -	-	170,904	\$ 7,450	\$ (10,394)	\$ 21,804	\$ 1,464	997,953	\$ (31,375)	\$ 30.78	\$ (62.22)
Banta-Carbona	102,002	\$ (6,376)	-	\$ -	\$ -	-	(54,999)	\$ (2,466)	\$ 3,482	\$ 2,689	\$ 181	47,003	\$ (2,490)	\$ 8.59	\$ (61.57)
Byron-Bethany	55,138	\$ (3,447)	-	\$ -	\$ -	-	(32,925)	\$ (1,399)	\$ 1,931	\$ 1,454	\$ 98	22,213	\$ (1,364)	\$ 6.84	\$ (68.24)
Cawelo	48,985	\$ (3,062)	-	\$ -	\$ -	-	15,483	\$ 813	\$ (1,219)	\$ 1,291	\$ 87	64,467	\$ (2,089)	\$ 34.00	\$ (66.40)
Glenn-Colusa	92,161	\$ (5,761)	-	\$ -	\$ -	-	56,522	\$ 2,540	\$ (3,590)	\$ 2,430	\$ 163	148,682	\$ (4,218)	\$ 34.52	\$ (62.89)
James	19,515	\$ (1,220)	-	\$ -	\$ -	-	(6,065)	\$ (296)	\$ 431	\$ 514	\$ 35	13,450	\$ (535)	\$ 18.85	\$ (58.64)
Lower Tule	25,198	\$ (1,575)	-	\$ -	\$ -	-	23,306	\$ 1,096	\$ (1,578)	\$ 664	\$ 45	48,504	\$ (1,348)	\$ 37.22	\$ (65.01)
Princeton	20,675	\$ (1,292)	-	\$ -	\$ -	-	20,005	\$ 947	\$ (1,367)	\$ 545	\$ 37	40,680	\$ (1,130)	\$ 37.58	\$ (65.36)
RD108	16,516	\$ (1,032)	-	\$ -	\$ -	-	12,047	\$ 551	\$ (784)	\$ 435	\$ 29	28,564	\$ (801)	\$ 35.55	\$ (63.59)
Santa Clara	41,651	\$ (2,604)	-	\$ -	\$ -	-	104,855	\$ 4,656	\$ (6,548)	\$ 1,098	\$ 74	146,506	\$ (3,324)	\$ 39.78	\$ (62.47)
Sonoma	76,170	\$ (4,761)	-	\$ -	\$ -	-	155,533	\$ 6,905	\$ (9,710)	\$ 2,008	\$ 135	231,702	\$ (5,423)	\$ 39.05	\$ (62.46)
West Stan	143,356	\$ (8,961)	-	\$ -	\$ -	-	(62,577)	\$ (2,691)	\$ 3,732	\$ 3,779	\$ 254	80,779	\$ (3,887)	\$ 16.62	\$ (64.73)
Westlands	1,378,419	\$ (86,166)	-	\$ -	\$ -	-	(426,588)	\$ (19,193)	\$ 27,139	\$ 36,341	\$ 2,440	951,831	\$ (39,439)	\$ 20.58	\$ (62.01)
Zone 7	6,165	\$ (385)	-	\$ -	\$ -	-	24,499	\$ 1,086	\$ (1,527)	\$ 163	\$ 11	30,664	\$ (652)	\$ 41.08	\$ (62.35)
PWRPA	2,853,000	\$ (178,344)	-	\$ -	\$ -	-	0	\$ -	\$ (0)	\$ 75,217	\$ 5,051	2,853,000	\$ (98,076)	\$ 28.13	\$ (62.51)

Specific Projects: Astoria							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	443,878	\$ 27,963	\$ (10,568)	\$ 689	\$ 18,085	\$ 64.55	\$ (23.81)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	69,338	\$ 4,368	\$ (1,651)	\$ 108	\$ 2,825	\$ 64.55	\$ (23.81)
Glenn-Colusa	36,683	\$ 2,311	\$ (873)	\$ 57	\$ 1,495	\$ 64.55	\$ (23.81)
James	9,330	\$ 588	\$ (222)	\$ 14	\$ 380	\$ 64.55	\$ (23.81)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	13,057	\$ 823	\$ (311)	\$ 20	\$ 532	\$ 64.55	\$ (23.81)
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	46,407	\$ 2,924	\$ (1,105)	\$ 72	\$ 1,891	\$ 64.55	\$ (23.81)
Sonoma	121,254	\$ 7,639	\$ (2,887)	\$ 188	\$ 4,940	\$ 64.55	\$ (23.81)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	400,226	\$ 25,213	\$ (9,528)	\$ 621	\$ 16,306	\$ 64.55	\$ (23.81)
Zone 7	17,387	\$ 1,095	\$ (414)	\$ 27	\$ 708	\$ 64.55	\$ (23.81)
PWRPA	1,157,560	\$ 72,924	\$ (27,559)	\$ 1,797	\$ 47,161	\$ 64.55	\$ (23.81)

Specific Projects: Whitney Point							
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	367,452	\$ 21,588	\$ (12,944)	\$ 447	\$ 9,091	\$ 59.97	\$ (35.23)
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	31,493	\$ 1,850	\$ (1,109)	\$ 38	\$ 779	\$ 59.97	\$ (35.23)
James	10,498	\$ 617	\$ (370)	\$ 13	\$ 260	\$ 59.97	\$ (35.23)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	10,498	\$ 617	\$ (370)	\$ 13	\$ 260	\$ 59.97	\$ (35.23)
RD108	26,250	\$ 1,542	\$ (925)	\$ 32	\$ 649	\$ 59.97	\$ (35.23)
Santa Clara	78,738	\$ 4,626	\$ (2,774)	\$ 96	\$ 1,948	\$ 59.97	\$ (35.23)
Sonoma	293,969	\$ 17,271	\$ (10,356)	\$ 357	\$ 7,273	\$ 59.97	\$ (35.23)
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	314,964	\$ 18,504	\$ (11,095)	\$ 383	\$ 7,792	\$ 59.97	\$ (35.23)
Zone 7	20,995	\$ 1,233	\$ (740)	\$ 26	\$ 519	\$ 59.97	\$ (35.23)
PWRPA	1,154,857	\$ 67,849	\$ (40,682)	\$ 1,404	\$ 28,571	\$ 59.97	\$ (35.23)

Specific Projects: Slate												
Participant	Solar Energy (kWh)	Solar Cost (\$)	Solar ISO Settlement (\$)	Solar Overhead (\$)	Battery Energy (kWh)	Battery Cost (\$)	Battery ISO Settlement (\$)	Battery Overhead (\$)	Net Energy (kWh)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	785,878	\$ 22,965	\$ (29,560)	\$ 3,234	1,986	\$ 6,700	\$ (2,223)	\$ 401	787,864	\$ 1,517	\$ 42.27	\$ (40.34)
Banta-Carbona	174,639	\$ 5,103	\$ (6,569)	\$ 719	3,972	\$ 13,400	\$ (4,445)	\$ 802	178,612	\$ 9,010	\$ 112.11	\$ (61.67)
Byron-Bethany	26,196	\$ 765	\$ (985)	\$ 108	298	\$ 1,005	\$ (333)	\$ 60	26,494	\$ 620	\$ 73.17	\$ (49.78)
Cawelo	362,377	\$ 10,589	\$ (13,631)	\$ 1,491	3,774	\$ 12,730	\$ (4,223)	\$ 762	366,151	\$ 7,719	\$ 69.84	\$ (48.76)
Glenn-Colusa	65,490	\$ 1,914	\$ (2,463)	\$ 270	-	\$ -	\$ -	\$ -	65,490	\$ (280)	\$ 33.34	\$ (37.61)
James	21,830	\$ 638	\$ (821)	\$ 90	-	\$ -	\$ -	\$ -	21,830	\$ (93)	\$ 33.34	\$ (37.61)
Lower Tule	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -
Princeton	21,830	\$ 638	\$ (821)	\$ 90	-	\$ -	\$ -	\$ -	21,830	\$ (93)	\$ 33.34	\$ (37.61)
RD108	26,196	\$ 765	\$ (985)	\$ 108	497	\$ 1,675	\$ (556)	\$ 100	26,692	\$ 1,108	\$ 99.22	\$ (57.73)
Santa Clara	130,980	\$ 3,827	\$ (4,927)	\$ 539	993	\$ 3,350	\$ (1,111)	\$ 201	131,973	\$ 1,879	\$ 59.99	\$ (45.75)
Sonoma	87,320	\$ 2,552	\$ (3,284)	\$ 359	-	\$ -	\$ -	\$ -	87,320	\$ (374)	\$ 33.34	\$ (37.61)
West Stan	174,639	\$ 5,103	\$ (6,569)	\$ 719	1,986	\$ 6,700	\$ (2,223)	\$ 401	176,626	\$ 4,131	\$ 73.17	\$ (49.78)
Westlands	349,279	\$ 10,207	\$ (13,138)	\$ 1,437	6,356	\$ 21,440	\$ (7,113)	\$ 1,283	355,635	\$ 14,117	\$ 96.64	\$ (56.94)
Zone 7	43,660	\$ 1,276	\$ (1,642)	\$ 180	-	\$ -	\$ -	\$ -	43,660	\$ (187)	\$ 33.34	\$ (37.61)
PWRPA	2,270,313	\$ 66,342	\$ (85,396)	\$ 9,343	19,862	\$ 67,000	\$ (22,227)	\$ 4,010	2,290,175	\$ 39,072	\$ 64.05	\$ (46.99)

Specific Projects: Lodi Energy Center								
Participant	Energy (kWh)	Debt Cost (\$)	Energy & GHG Cost (\$)	ISO Settlement (\$)	Overhead (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	922,269	\$ 15,697	\$ 51,404	\$ (56,161)	\$ 475	\$ 11,414	\$ 73.27	\$ (60.89)
Banta-Carbona	346,845	\$ 5,903	\$ 19,332	\$ (21,121)	\$ 178	\$ 4,293	\$ 73.27	\$ (60.89)
Byron-Bethany	163,471	\$ 2,782	\$ 9,111	\$ (9,954)	\$ 84	\$ 2,023	\$ 73.27	\$ (60.89)
Cawelo	291,912	\$ 4,968	\$ 16,270	\$ (17,776)	\$ 150	\$ 3,613	\$ 73.27	\$ (60.89)
Glenn-Colusa	195,728	\$ 3,331	\$ 10,909	\$ (11,919)	\$ 101	\$ 2,422	\$ 73.27	\$ (60.89)
James	154,766	\$ 2,634	\$ 8,626	\$ (9,424)	\$ 80	\$ 1,915	\$ 73.27	\$ (60.89)
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	163,408	\$ 2,781	\$ 9,108	\$ (9,951)	\$ 84	\$ 2,022	\$ 73.27	\$ (60.89)
RD108	86,820	\$ 1,478	\$ 4,839	\$ (5,287)	\$ 45	\$ 1,075	\$ 73.27	\$ (60.89)
Santa Clara	249,465	\$ 4,246	\$ 13,904	\$ (15,191)	\$ 128	\$ 3,087	\$ 73.27	\$ (60.89)
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	195,081	\$ 3,320	\$ 10,873	\$ (11,879)	\$ 100	\$ 2,414	\$ 73.27	\$ (60.89)
Westlands	1,128,425	\$ 19,206	\$ 62,894	\$ (68,714)	\$ 581	\$ 13,966	\$ 73.27	\$ (60.89)
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	3,898,190	\$ 66,347	\$ 217,269	\$ (237,376)	\$ 2,006	\$ 48,246	\$ 73.27	\$ (60.89)

Supplemental: Fixed Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

Supplemental: Variable Contracts						
Participant	Energy (kWh)	Cost (\$)	ISO Settlement (\$)	Net Cost/ (Credit)	Expense Rate (\$/MWh)	Revenue Rate (\$/MWh)
Arvin-Edison	-	\$ -	\$ -	\$ -	\$ -	\$ -
Banta-Carbona	-	\$ -	\$ -	\$ -	\$ -	\$ -
Byron-Bethany	-	\$ -	\$ -	\$ -	\$ -	\$ -
Cawelo	-	\$ -	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	-	\$ -	\$ -	\$ -	\$ -	\$ -
James	-	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Tule	-	\$ -	\$ -	\$ -	\$ -	\$ -
Princeton	-	\$ -	\$ -	\$ -	\$ -	\$ -
RD108	-	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Clara	-	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma	-	\$ -	\$ -	\$ -	\$ -	\$ -
West Stan	-	\$ -	\$ -	\$ -	\$ -	\$ -
Westlands	-	\$ -	\$ -	\$ -	\$ -	\$ -
Zone 7	-	\$ -	\$ -	\$ -	\$ -	\$ -
PWRPA	-	\$ -	\$ -	\$ -	\$ -	\$ -

CAISO Grid Management & Misc						
Participant	Special Charges		Misc Charges			
	Operating Reserves	IFM Uplift Obligation'	Other	GMC	Residual	
Arvin-Edison	\$ 89	\$ 413	\$ 3,450	\$ 3,109	\$ 7,898	
Banta-Carbona	\$ 0	\$ 0	\$ 42	\$ 38	\$ 96	
Byron-Bethany	\$ 1	\$ 3	\$ 39	\$ 35	\$ 89	
Cawelo	\$ 9	\$ 44	\$ 329	\$ 297	\$ 754	
Glenn-Colusa	\$ 21	\$ 99	\$ 745	\$ 671	\$ 1,705	
James	\$ 1	\$ 6	\$ 47	\$ 42	\$ 107	
Lower Tule	\$ 10	\$ 44	\$ 319	\$ 287	\$ 729	
Princeton	\$ 7	\$ 32	\$ 235	\$ 212	\$ 539	
RD108	\$ 4	\$ 20	\$ 151	\$ 136	\$ 347	
Santa Clara	\$ 39	\$ 182	\$ 1,261	\$ 1,136	\$ 2,887	
Sonoma	\$ 59	\$ 277	\$ 1,929	\$ 1,738	\$ 4,416	
West Stan	\$ 0	\$ 1	\$ 75	\$ 68	\$ 172	
Westlands	\$ 10	\$ 46	\$ 1,124	\$ 1,013	\$ 2,573	
Zone 7	\$ 9	\$ 43	\$ 298	\$ 268	\$ 682	
PWRPA	\$ 260	\$ 1,210	\$ 10,043	\$ 9,051	\$ 22,992	

Supplemental: Other				
Participant	RECs	Capacity	Carbon	Total Cost
Arvin-Edison	\$ 25,503	\$ -	\$ -	\$ 25,503
Banta-Carbona	\$ 106,739	\$ -	\$ -	\$ 106,739
Byron-Bethany	\$ 7,309	\$ -	\$ -	\$ 7,309
Cawelo	\$ -	\$ -	\$ -	\$ -
Glenn-Colusa	\$ 44,495	\$ -	\$ -	\$ 44,495
James	\$ 1,502	\$ -	\$ -	\$ 1,502
Lower Tule	\$ -	\$ -	\$ -	\$ -
Princeton	\$ 8,474	\$ -	\$ -	\$ 8,474
RD108	\$ -	\$ -	\$ -	\$ -
Santa Clara	\$ 73,440	\$ -	\$ -	\$ 73,440
Sonoma	\$ (346,624)	\$ -	\$ -	\$ (346,624)
West Stan	\$ 56,801	\$ -	\$ -	\$ 56,801
Westlands	\$ 147,570	\$ -	\$ -	\$ 147,570
Zone 7	\$ 8,594	\$ -	\$ -	\$ 8,594
PWRPA	\$ 133,804	\$ -	\$ -	\$ 133,804

DRAFT

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**APPENDIX B**

**2023 VENDOR CHARGES SUMMARIES**

(THIS APPENDIX HAS THE VENDOR CHARGES SUMMARIZED IN TWO DIFFERENT WAYS;  
ONE BY COST CATEGORY AND THE OTHER BY VENDOR.)

Vendor Charges by Category 2023	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Total
<b>Overhead JPA</b>													
<b>Overhead</b>													
AEWSD	\$1,081.10	\$1,813.82	\$2,337.52	\$1,665.88	\$1,773.48	\$1,388.54	\$1,580.36	\$2,118.74	\$1,225.62	\$1,191.70	\$1,105.42	\$1,004.63	\$18,286.81
Auditors	-	-	\$2,640.00	-	\$2,540.00	-	-	-	-	-	-	-	\$5,180.00
Other	\$544.50	\$44.50	\$984.50	\$807.50	\$544.50	\$544.50	\$544.50	\$544.50	\$544.50	\$2,519.50	\$544.50	\$544.50	\$8,712.00
Cameron-Daniel	\$4,300.00	\$4,785.90	\$5,570.00	\$5,265.10	\$4,475.00	\$5,200.00	\$4,723.40	\$5,090.70	\$4,677.00	\$3,773.00	\$3,573.60	\$4,340.10	\$55,773.80
RBI	\$101.27	\$1,709.87	\$593.72	\$1,362.11	\$2,201.98	\$1,862.23	-	\$3,524.94	\$1,118.66	\$3,577.75	\$1,368.22	\$2,487.61	\$19,908.37
<b>Vendor Total</b>	<b>\$6,026.87</b>	<b>\$8,354.09</b>	<b>\$12,125.73</b>	<b>\$9,100.59</b>	<b>\$11,534.96</b>	<b>\$8,995.27</b>	<b>\$6,848.26</b>	<b>\$11,278.89</b>	<b>\$7,565.79</b>	<b>\$11,061.95</b>	<b>\$6,591.74</b>	<b>\$8,376.84</b>	<b>\$107,860.98</b>
<b>Category Total</b>	<b>\$6,026.87</b>	<b>\$8,354.09</b>	<b>\$12,125.73</b>	<b>\$9,100.59</b>	<b>\$11,534.96</b>	<b>\$8,995.27</b>	<b>\$6,848.26</b>	<b>\$11,278.89</b>	<b>\$7,565.79</b>	<b>\$11,061.95</b>	<b>\$6,591.74</b>	<b>\$8,376.84</b>	<b>\$107,860.98</b>
<b>Overhead ASA</b>													
<b>Utility Management &amp; Operations - Fixed</b>													
ACES	\$9,975.00	\$11,257.50	\$9,975.00	\$9,975.00	\$9,975.00	\$9,975.00	\$9,975.00	\$9,975.00	\$9,975.00	\$9,975.00	\$9,975.00	\$9,975.00	\$120,982.50
AEWSD - Treasurer	\$4,324.38	\$7,255.26	\$9,350.06	\$6,663.52	\$7,093.91	\$5,554.17	\$6,321.44	\$8,474.98	\$4,902.50	\$4,766.81	\$4,421.69	\$4,018.51	\$73,147.23
Auditors	-	-	\$10,560.00	-	\$10,160.00	-	-	-	-	-	-	-	\$20,720.00
Cameron-Daniel	\$28,971.00	\$29,742.00	\$28,650.00	\$27,900.00	\$28,044.45	\$26,370.63	\$26,035.00	\$27,780.00	\$28,450.00	\$29,750.00	\$30,900.00	\$29,800.00	\$342,393.08
McCarthy	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$36,000.00
MCG Software	\$7,079.71	\$7,122.14	\$7,547.14	\$7,122.14	\$7,458.14	\$14,268.15	\$7,214.00	\$7,291.97	\$7,291.97	\$6,030.52	\$4,138.36	\$4,138.36	\$86,702.58
RBI	\$27,759.11	\$30,928.59	\$30,022.34	\$28,016.12	\$30,177.22	\$26,965.23	\$29,944.52	\$34,128.00	\$29,932.14	\$28,925.51	\$27,488.54	\$30,515.30	\$354,802.62
Other	\$115.81	\$484.37	\$670.25	\$219.35	\$520.99	\$525.45	\$5,834.77	\$309.15	\$302.42	\$400.02	\$22,382.63	\$390.51	\$32,155.72
<b>Vendor Total</b>	<b>\$81,225.01</b>	<b>\$89,789.87</b>	<b>\$99,774.79</b>	<b>\$82,896.13</b>	<b>\$96,429.71</b>	<b>\$86,658.63</b>	<b>\$88,324.73</b>	<b>\$90,959.09</b>	<b>\$83,854.03</b>	<b>\$82,847.86</b>	<b>\$102,306.21</b>	<b>\$81,837.68</b>	<b>\$1,066,903.73</b>
<b>Special Projects</b>													
WDT3	\$337.50	\$916.93	\$5,798.47	\$2,235.17	\$4,874.24	\$8,084.68	\$1,975.68	\$1,440.60	\$4,283.68	\$6,253.38	\$4,954.67	\$1,402.80	\$42,557.80
<b>Vendor Total</b>	<b>\$337.50</b>	<b>\$916.93</b>	<b>\$5,798.47</b>	<b>\$2,235.17</b>	<b>\$4,874.24</b>	<b>\$8,084.68</b>	<b>\$1,975.68</b>	<b>\$1,440.60</b>	<b>\$4,283.68</b>	<b>\$6,253.38</b>	<b>\$4,954.67</b>	<b>\$1,402.80</b>	<b>\$42,557.80</b>
<b>Utility Operations - Variable</b>													
ACES	\$7,525.00	\$8,492.50	\$7,525.00	\$7,525.00	\$7,525.00	\$7,525.00	\$7,525.00	\$7,525.00	\$7,525.00	\$7,525.00	\$7,525.00	\$7,525.00	\$91,267.50
Cameron-Daniel	-	-	-	-	-	-	-	-	-	-	-	-	-
MCG software	\$3,067.06	\$3,113.85	\$3,113.85	\$3,113.85	\$3,113.85	\$6,227.69	\$3,113.85	\$3,206.32	\$3,159.07	\$3,159.07	\$3,159.07	\$3,159.07	\$40,706.60
RBI	\$7,185.48	\$6,551.56	\$8,218.75	\$5,619.49	\$4,553.47	\$5,138.61	\$6,649.58	\$7,067.42	\$9,941.37	\$8,943.92	\$6,257.85	\$6,934.62	\$83,062.11
<b>Vendor Total</b>	<b>\$17,777.54</b>	<b>\$18,157.90</b>	<b>\$18,857.59</b>	<b>\$16,258.33</b>	<b>\$15,192.31</b>	<b>\$18,891.30</b>	<b>\$17,288.43</b>	<b>\$17,798.74</b>	<b>\$20,625.45</b>	<b>\$19,628.00</b>	<b>\$16,941.93</b>	<b>\$17,618.69</b>	<b>\$215,036.21</b>
<b>Special Projects</b>													
RBI	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Vendor Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Category Total</b>	<b>\$99,340.06</b>	<b>\$108,864.70</b>	<b>\$124,430.85</b>	<b>\$101,389.64</b>	<b>\$116,496.26</b>	<b>\$113,634.61</b>	<b>\$107,588.84</b>	<b>\$110,198.43</b>	<b>\$108,763.15</b>	<b>\$108,729.24</b>	<b>\$124,202.81</b>	<b>\$100,859.17</b>	<b>\$1,324,497.74</b>
<b>Metering</b>													
<b>MGMT</b>													
Cameron-Daniel	\$1,012.50	\$955.50	\$1,320.00	\$1,450.00	\$1,050.00	\$600.00	\$740.00	\$305.00	\$1,750.00	\$1,100.00	\$650.00	\$1,350.00	\$12,283.00
MCG	\$1,973.27	\$2,020.06	\$2,020.06	\$2,020.06	\$2,020.06	\$4,040.12	\$2,032.47	\$2,032.47	\$2,032.47	\$1,862.01	\$1,606.31	\$1,606.31	\$25,265.67
RBI	\$893.91	\$2,625.22	\$1,365.00	\$5,425.55	\$597.80	\$2,994.62	\$3,114.43	\$1,870.13	\$1,493.15	\$2,069.76	\$4,265.35	\$1,250.98	\$27,965.92
<b>Vendor Total</b>	<b>\$3,879.68</b>	<b>\$5,600.78</b>	<b>\$4,705.06</b>	<b>\$8,895.61</b>	<b>\$3,667.86</b>	<b>\$7,634.74</b>	<b>\$5,886.90</b>	<b>\$4,207.61</b>	<b>\$5,275.62</b>	<b>\$5,031.76</b>	<b>\$6,521.66</b>	<b>\$4,207.29</b>	<b>\$65,514.58</b>
<b>Trimark</b>													
Cell Phone	\$11,176.00	\$11,176.00	\$11,158.40	\$11,158.40	\$11,123.20	\$11,052.80	\$11,105.60	\$11,105.60	\$11,105.60	\$11,105.60	\$11,105.60	\$11,052.80	\$133,425.60
MDMA - Time & Materials	\$4,197.50	\$3,133.75	\$4,628.75	\$4,628.75	\$4,370.00	\$3,996.25	\$3,795.00	\$3,277.50	\$3,565.00	\$5,203.75	\$8,941.25	\$3,622.50	\$53,360.00
Metering	\$33,822.27	\$33,822.27	\$33,769.34	\$33,769.34	\$33,663.48	\$33,451.76	\$33,610.55	\$33,610.55	\$33,610.55	\$33,610.55	\$33,610.55	\$33,451.76	\$403,802.97
<b>Vendor Total</b>	<b>\$49,195.77</b>	<b>\$48,132.02</b>	<b>\$49,556.49</b>	<b>\$49,556.49</b>	<b>\$49,156.68</b>	<b>\$48,500.81</b>	<b>\$48,511.15</b>	<b>\$47,993.65</b>	<b>\$48,281.15</b>	<b>\$49,919.90</b>	<b>\$53,657.40</b>	<b>\$48,127.06</b>	<b>\$590,588.57</b>
<b>Category Total</b>	<b>\$53,075.45</b>	<b>\$53,732.80</b>	<b>\$54,261.55</b>	<b>\$58,452.10</b>	<b>\$52,824.54</b>	<b>\$56,135.55</b>	<b>\$54,398.05</b>	<b>\$52,201.26</b>	<b>\$53,556.77</b>	<b>\$54,951.66</b>	<b>\$60,179.06</b>	<b>\$52,334.35</b>	<b>\$656,103.15</b>
<b>Distribution</b>													
<b>WAPA Exhibit C WDT invoice</b>													
WDT Pass-through	\$502,155.88	\$1,179,355.55	\$799,304.85	\$931,493.35	\$1,029,148.66	\$1,094,552.80	\$1,059,874.68	\$1,038,662.00	\$885,550.30	\$836,145.51	\$704,454.41	\$556,146.67	\$10,616,844.66
Ownership Charges	\$66,517.60	\$67,058.75	\$67,058.75	\$69,053.27	\$68,693.27	\$68,257.64	\$68,257.64	\$68,257.64	\$68,257.64	\$68,257.64	\$68,257.64	\$68,257.64	\$816,185.12
<b>Vendor Total</b>	<b>\$568,673.48</b>	<b>\$1,246,414.30</b>	<b>\$866,363.60</b>	<b>\$1,000,546.62</b>	<b>\$1,097,841.93</b>	<b>\$1,162,810.44</b>	<b>\$1,128,132.32</b>	<b>\$1,106,919.64</b>	<b>\$953,807.94</b>	<b>\$904,403.15</b>	<b>\$772,712.05</b>	<b>\$624,404.31</b>	<b>\$11,433,029.78</b>
<b>PG&amp;E WDT invoice</b>													
Pass-through costs	\$89,184.03	\$97,677.18	\$74,391.14	\$83,930.00	\$84,644.13	\$87,526.20	\$96,912.04	\$101,885.52	\$93,111.79	\$85,791.86	\$71,177.51	\$61,307.07	\$1,027,538.47
Ownership Charges	\$1,805.51	\$1,805.51	\$1,805.51	\$1,805.51	\$1,805.51	\$1,805.51	\$1,805.51	\$1,805.51	\$1,805.51	\$1,805.51	\$1,805.51	\$1,805.51	\$21,666.12
<b>Vendor Total</b>	<b>\$90,989.54</b>	<b>\$99,482.69</b>	<b>\$76,196.65</b>	<b>\$85,735.51</b>	<b>\$86,449.64</b>	<b>\$89,331.71</b>	<b>\$98,717.55</b>	<b>\$103,691.03</b>	<b>\$94,917.30</b>	<b>\$87,597.37</b>	<b>\$72,983.02</b>	<b>\$63,112.58</b>	<b>\$1,049,204.59</b>
<b>Category Total</b>	<b>\$659,663.02</b>	<b>\$1,345,896.99</b>	<b>\$942,560.25</b>	<b>\$1,086,282.13</b>	<b>\$1,184,291.57</b>	<b>\$1,252,142.15</b>	<b>\$1,226,849.87</b>	<b>\$1,210,610.67</b>	<b>\$1,048,725.24</b>	<b>\$992,000.52</b>	<b>\$845,695.07</b>	<b>\$687,516.89</b>	<b>\$12,482,234.37</b>
<b>Transmission</b>													
<b>CAISO</b>													
High Voltage	\$108,341.30	\$333,893.21	\$267,095.15	\$310,772.53	\$471,440.84	\$543,453.08	\$648,355.91	\$533,149.14	\$395,394.06	\$328,426.62	\$218,287.92	\$157,790.82	\$4,316,400.58
Low Voltage	\$125,560.96	\$436,266.11	\$351,973.43	\$401,414.28	\$590,691.51	\$670,302.98	\$807,836.30	\$658,478.87	\$496,119.14	\$405,108.05	\$269,067.78	\$192,962.25	\$5,405,781.66
<b>Vendor Total</b>	<b>\$233,902.27</b>	<b>\$770,159.31</b>	<b>\$619,068.58</b>	<b>\$712,186.81</b>	<b>\$1,062,132.35</b>	<b>\$1,213,756.06</b>	<b>\$1,456,192.21</b>	<b>\$1,191,628.01</b>	<b>\$891,513.20</b>	<b>\$733,534.67</b>	<b>\$487,355.70</b>	<b>\$350,753.07</b>	<b>\$9,722,182.24</b>
<b>Category Total</b>	<b>\$233,902.27</b>	<b>\$770,159.31</b>	<b>\$619,068.58</b>	<b>\$712,186.81</b>	<b>\$1,062,132.35</b>	<b>\$1,213,756.06</b>	<b>\$1,456,192.21</b>	<b>\$1,191,628.01</b>	<b>\$891,513.20</b>	<b>\$733,534.67</b>	<b>\$487,355.70</b>	<b>\$350,753.07</b>	<b>\$9,722,182.24</b>
<b>*Base Resource</b>													
<b>WAPA</b>													
Base Resource Energy	\$185,383.94	\$185,383.94	\$185,383.94	\$442,325.17	\$442,325.17	\$442,325.17	\$442,325.17	\$442,325.17	\$442,325.17	\$152,452.53	\$152,452.53	\$152,452.53	\$3,667,460.43
BR Exchange	\$1,480.81	\$1,335.34	\$360.28	(\$7,968.05)	(\$40,434.82)	\$2,404.77	\$8,795.83	\$3,863.88	\$42.54	\$27.21	\$32.85	\$1,027.69	(\$29,031.67)
Restoration	\$55,598.34	\$55,598.34	\$55,598.34	\$55,598.34	\$55,598.34	\$55,598.34	\$51,359.73	\$55,598.34	\$48,464.34	\$48,464.34	\$48,464.34	\$48,464.34	\$634,405.47
WREGIS	-	\$387.53	\$50.95	\$2.84	-	-	\$312.78	\$306.40	\$244.99	-	\$549.96	\$177.13	\$2,032.58
First Pref True-up	(\$5,958.12)	(\$5,958.12)	(\$5,958.12)	(\$5,958.12)	(\$5,958.12)	(\$5,958.12)	(\$5,958.12)	(\$5,958.12)	(\$5,958.12)	(\$22,976.13)	(\$22,976.13)	(\$23,575.88)	(\$123,151.22)
Overhead	\$4,582.77	\$4,548.40	\$5,197.52	\$5,520.51	\$9,893.21	\$9,121.03	\$9,156.13	\$6,705.34	\$5,764.20	\$6,410.38	\$6,123.58	\$5,050.55	\$78,073.64
<b>Vendor Total</b>	<b>\$241,087.74</b>	<b>\$241,295.43</b>	<b>\$240,632.91</b>	<b>\$489,520.69</b>	<b>\$461,423.78</b>	<b>\$503,491.19</b>	<b>\$505,991.52</b>	<b>\$502,841.01</b>	<b>\$490,883.12</b>	<b>\$184,378.33</b>	<b>\$184,647.13</b>	<b>\$183,596.36</b>	<b>\$4,229,789.23</b>
<b>CVP Corp</b>													
Displacement	-	-	-	(\$53,311.59)	(\$21,509.73)	(\$21,039.36)	(\$35,779.62)	(\$44,094.05)	(\$15,747.21)	(\$42,350.12)	-	-	(\$233,831.68)
<b>Vendor Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>(\$53,311.59)</b>	<b>(\$21,509.73)</b>	<b>(\$21,039.36)</b>	<b>(\$35,779.62)</b>	<b>(\$44,094.05)</b>	<b>(\$15,747.21)</b>	<b>(\$42,350.12)</b>	<b>-</b>	<b>-</b>	<b>(\$233,831.68)</b>
<b>CAISO Settlement</b>													
Import	(\$306,918												



Vendor Charges by Category 2023	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Total
<b>Special Project: Generation</b>													
<b>Lodi Energy Center</b>													
NCPA - Energy	\$723,564.06	\$355,761.30	\$401,519.71	\$116,220.92	\$124,739.25	\$148,051.27	\$266,389.40	\$303,613.66	\$165,660.69	\$296,674.61	\$262,463.63	\$261,602.50	\$3,426,261.00
CAISO Settlement	(\$689,598.06)	(\$297,481.30)	(\$350,360.71)	(\$76.92)	(\$7,917.25)	(\$13,953.27)	(\$208,023.40)	(\$307,387.66)	(\$52,659.69)	(\$262,772.61)	(\$219,215.63)	(\$237,376.50)	(\$2,646,823.00)
GHG Allowance Transfer	\$161,174.85	-	-	-	-	-	-	-	-	-	-	-	\$161,174.85
PWRPA Overhead	\$2,300.76	\$1,611.69	\$1,439.51	\$1,937.24	\$1,699.18	\$1,923.72	\$3,247.15	\$1,551.84	\$1,460.96	\$1,951.14	\$2,721.66	\$2,005.75	\$23,850.58
<b>Vendor Total</b>	<b>\$197,441.61</b>	<b>\$59,891.69</b>	<b>\$52,598.51</b>	<b>\$118,081.24</b>	<b>\$118,521.18</b>	<b>\$136,021.72</b>	<b>\$61,613.15</b>	<b>(\$2,222.16)</b>	<b>\$114,461.96</b>	<b>\$35,853.14</b>	<b>\$45,969.66</b>	<b>\$26,231.75</b>	<b>\$964,463.43</b>
<b>Astoria</b>													
Energy	\$79,489.51	\$103,988.23	\$127,346.03	\$187,031.65	\$196,564.85	\$198,533.75	\$211,544.20	\$181,325.46	\$155,962.93	\$136,787.73	\$92,369.69	\$72,923.77	\$1,743,867.80
CAISO Settlement	(\$110,384.19)	(\$61,857.21)	(\$63,320.86)	(\$22,762.57)	(\$6,035.15)	(\$46,011.97)	(\$178,273.62)	(\$187,993.63)	(\$37,326.23)	(\$30,331.80)	(\$33,591.60)	(\$27,558.90)	(\$805,447.71)
Contract Overhead	-	\$3.98	\$36.17	-	\$158.65	\$863.64	\$3.83	\$17.32	\$123.02	-	\$102.86	\$326.73	\$1,636.20
PWRPA Overhead	\$1,160.90	\$1,459.82	\$1,281.43	\$1,104.62	\$1,617.83	\$1,567.25	\$1,575.33	\$1,122.60	\$1,313.74	\$1,242.31	\$1,424.52	\$1,016.56	\$15,886.91
Market Overhead	\$499.78	\$670.83	\$852.24	\$1,306.09	\$1,336.65	\$1,235.45	\$1,295.94	\$2,356.25	\$704.57	\$732.70	\$562.64	\$453.33	\$12,006.47
<b>Vendor Total</b>	<b>(\$29,234.00)</b>	<b>\$44,265.65</b>	<b>\$66,195.02</b>	<b>\$166,679.79</b>	<b>\$193,642.82</b>	<b>\$156,188.12</b>	<b>\$36,145.68</b>	<b>(\$3,172.00)</b>	<b>\$120,778.04</b>	<b>\$108,430.94</b>	<b>\$60,868.11</b>	<b>\$47,161.49</b>	<b>\$967,949.67</b>
<b>Whitney Point</b>													
Energy	\$61,532.14	\$89,196.51	\$96,286.83	\$147,550.56	\$185,640.00	\$192,276.00	\$205,322.01	\$185,228.76	\$152,979.82	\$134,218.88	\$97,274.30	\$67,848.72	\$1,615,354.53
CAISO Settlement	(\$99,202.62)	(\$61,034.22)	(\$65,635.84)	(\$20,274.77)	(\$27,241.22)	(\$36,001.18)	(\$153,531.87)	(\$130,312.68)	(\$50,600.68)	(\$52,580.43)	(\$43,919.37)	(\$40,681.74)	(\$781,016.61)
PWRPA Overhead	\$1,199.15	\$1,505.07	\$2,917.09	\$1,506.23	\$2,615.97	\$2,230.63	\$1,313.09	\$1,178.71	\$1,516.53	\$1,520.51	\$1,224.62	\$1,396.59	\$20,124.20
Buyer's Agent	\$587.50	\$329.00	\$2,420.50	\$305.00	\$732.00	\$30.50	-	\$122.00	\$732.00	\$701.50	\$671.00	-	\$6,631.00
Contract Overhead	\$14,946.19	\$13,045.68	\$33,035.28	\$41,051.52	\$13,296.32	\$2,806.16	-	-	-	\$691.02	-	\$7.33	\$118,879.50
<b>Vendor Total</b>	<b>(\$20,937.64)</b>	<b>\$43,042.04</b>	<b>\$69,023.86</b>	<b>\$170,138.54</b>	<b>\$175,043.07</b>	<b>\$161,342.12</b>	<b>\$53,103.23</b>	<b>\$56,216.79</b>	<b>\$104,627.67</b>	<b>\$84,551.48</b>	<b>\$55,250.56</b>	<b>\$28,570.90</b>	<b>\$979,972.62</b>
<b>Slate</b>													
RAAIM/FC Fee	-	-	-	-	-	\$0.01	\$0.02	\$0.01	-	\$91.53	\$96.24	\$104.47	\$292.28
Deemed Delivered Energy	\$6,886.04	\$10,396.85	\$26,494.08	\$24,045.09	\$9,334.70	\$12,587.48	\$9,607.18	\$9,999.48	\$14,977.45	\$17,207.37	\$13,901.12	\$5,332.52	\$160,769.36
Solar Energy	\$57,109.75	\$91,507.27	\$103,813.50	\$160,989.07	\$183,927.41	\$193,969.83	\$217,734.24	\$195,373.49	\$160,429.79	\$131,498.67	\$89,295.63	\$66,342.35	\$1,651,991.00
Solar CAISO Settlement	(\$190,192.46)	(\$113,724.39)	(\$133,046.34)	(\$47,297.53)	(\$49,237.96)	(\$72,557.61)	(\$344,321.77)	(\$361,970.32)	(\$115,225.23)	(\$168,722.25)	(\$118,927.79)	(\$85,396.43)	(\$1,800,620.09)
Solar PWRPA Overhead	\$6,649.84	\$4,332.09	\$4,503.63	\$4,429.43	\$4,849.42	\$7,070.79	\$4,545.96	\$3,182.71	\$6,778.62	\$2,869.52	\$4,331.14	\$4,010.36	\$57,553.50
Battery Capacity	\$67,000.00	\$65,999.78	\$64,522.41	\$64,048.25	\$54,970.15	\$53,081.82	\$67,000.00	\$67,000.00	\$67,000.00	\$66,256.77	\$65,917.35	\$67,000.00	\$769,796.53
Battery CAISO Settlement	(\$60,950.75)	(\$61,350.57)	(\$67,559.05)	(\$67,448.55)	(\$1,795.35)	(\$27,422.29)	(\$42,850.60)	(\$78,128.41)	(\$26,893.07)	(\$46,997.85)	(\$29,083.41)	(\$22,227.07)	(\$532,706.96)
Battery PWRPA Overhead	\$6,649.84	\$4,332.09	\$4,503.63	\$4,429.43	\$4,849.42	\$7,070.79	\$4,545.96	\$3,182.71	\$6,778.62	\$2,869.52	\$4,331.14	\$4,010.36	\$57,553.50
<b>Vendor Total</b>	<b>(\$106,847.73)</b>	<b>\$1,493.12</b>	<b>\$3,231.86</b>	<b>\$143,195.20</b>	<b>\$206,897.78</b>	<b>\$173,800.81</b>	<b>(\$83,739.01)</b>	<b>(\$161,360.32)</b>	<b>\$113,846.18</b>	<b>\$5,073.28</b>	<b>\$29,861.41</b>	<b>\$39,176.55</b>	<b>\$364,629.13</b>
<b>Category Total</b>	<b>\$40,422.24</b>	<b>\$148,692.49</b>	<b>\$191,049.25</b>	<b>\$598,094.77</b>	<b>\$694,104.85</b>	<b>\$627,352.77</b>	<b>\$67,123.04</b>	<b>(\$110,537.68)</b>	<b>\$453,713.85</b>	<b>\$233,908.85</b>	<b>\$191,949.74</b>	<b>\$141,140.70</b>	<b>\$3,277,014.85</b>
<b>Supplemental Power</b>													
<b>Other</b>													
ACT RECs	-	-	-	-	-	-	-	-	-	-	-	\$130,175.00	\$130,175.00
RD108 RECs	-	-	-	-	-	-	-	-	-	-	\$6,465.00	-	\$6,465.00
AEWSD RECs	-	-	\$121.70	-	-	-	-	-	-	-	-	\$238.05	\$359.75
Zone 7 RECs	-	-	-	-	-	-	-	-	-	-	\$6,010.00	-	\$6,010.00
White Pine	\$1,466.69	\$1,842.65	\$2,550.75	\$3,531.74	\$3,783.91	\$4,095.30	\$4,277.33	\$3,656.00	\$2,656.10	\$2,180.11	\$1,529.48	\$1,155.26	\$32,725.32
GL Renewables	\$3,475.65	\$3,807.88	\$6,061.29	\$4,955.96	\$7,385.00	\$3,705.55	\$8,116.45	\$6,270.42	\$4,523.02	\$4,455.27	\$3,340.37	\$2,474.06	\$58,570.92
<b>Vendor Total</b>	<b>\$4,942.34</b>	<b>\$5,650.53</b>	<b>\$8,733.74</b>	<b>\$8,487.70</b>	<b>\$11,168.91</b>	<b>\$7,800.85</b>	<b>\$12,393.78</b>	<b>\$9,926.42</b>	<b>\$7,179.12</b>	<b>\$6,635.38</b>	<b>\$17,344.85</b>	<b>\$134,042.37</b>	<b>\$234,305.99</b>
<b>Category Total</b>	<b>\$4,942.34</b>	<b>\$5,650.53</b>	<b>\$8,733.74</b>	<b>\$8,487.70</b>	<b>\$11,168.91</b>	<b>\$7,800.85</b>	<b>\$12,393.78</b>	<b>\$9,926.42</b>	<b>\$7,179.12</b>	<b>\$6,635.38</b>	<b>\$17,344.85</b>	<b>\$134,042.37</b>	<b>\$234,305.99</b>
<b>CAISO</b>													
<b>CAISO</b>													
Load Charges	\$1,056,742.80	\$1,660,197.31	\$1,388,899.98	\$1,120,217.88	\$585,963.35	\$1,063,566.95	\$2,588,293.88	\$2,655,732.15	\$1,128,008.68	\$1,426,955.53	\$926,407.17	\$585,977.04	\$16,186,962.72
Special Charges	\$7,114.26	\$7,928.86	\$4,332.65	\$4,434.46	\$2,313.19	\$2,426.17	\$12,619.30	\$19,953.70	\$3,187.96	\$4,937.71	\$2,041.75	\$1,469.32	\$72,759.33
Grid Management & FERC	\$6,915.36	\$13,809.64	\$12,835.03	\$18,585.96	\$27,805.88	\$28,614.11	\$31,900.33	\$28,254.61	\$20,937.76	\$18,397.57	\$12,106.41	\$9,050.51	\$229,213.17
Misc.	\$19,550.23	\$65,904.15	\$80,331.78	\$147,349.64	\$72,737.24	\$88,756.14	\$62,110.54	\$111,905.93	\$36,180.33	\$13,348.90	\$376,054.48	\$23,688.44	\$1,097,917.80
6799 Reversal	(\$1,923.34)	(\$7,396.85)	(\$21,772.77)	(\$20,065.70)	(\$73,118.55)	(\$22,311.41)	(\$29,243.51)	(\$10,576.44)	(\$1,690.13)	-	(\$660,741.17)	(\$695.98)	(\$849,535.85)
<b>Vendor Total</b>	<b>\$1,088,399.31</b>	<b>\$1,740,443.11</b>	<b>\$1,464,626.67</b>	<b>\$1,270,522.24</b>	<b>\$615,701.11</b>	<b>\$1,161,051.96</b>	<b>\$2,665,680.54</b>	<b>\$2,805,269.95</b>	<b>\$1,186,624.60</b>	<b>\$1,463,639.71</b>	<b>\$655,868.64</b>	<b>\$619,489.33</b>	<b>\$16,737,317.17</b>
<b>Other</b>													
BOE	\$4,044.00	\$4,044.00	\$4,044.00	\$7,140.00	\$7,140.00	\$7,140.00	\$11,677.33	\$11,677.33	\$11,677.33	\$6,400.00	\$6,400.00	\$6,400.00	\$87,784.00
NERC/WECC	\$3,642.86	\$3,642.86	\$3,642.86	\$3,642.86	\$3,642.86	\$3,642.86	\$3,642.86	\$3,642.86	\$3,642.86	\$3,642.86	\$3,642.86	\$3,642.86	\$43,714.34
<b>Vendor Total</b>	<b>\$7,686.86</b>	<b>\$7,686.86</b>	<b>\$7,686.86</b>	<b>\$10,782.86</b>	<b>\$10,782.86</b>	<b>\$10,782.86</b>	<b>\$15,320.20</b>	<b>\$15,320.20</b>	<b>\$15,320.20</b>	<b>\$10,042.86</b>	<b>\$10,042.86</b>	<b>\$10,042.86</b>	<b>\$131,498.34</b>
<b>Category Total</b>	<b>\$1,096,086.17</b>	<b>\$1,748,129.98</b>	<b>\$1,472,313.54</b>	<b>\$1,281,305.10</b>	<b>\$626,483.97</b>	<b>\$1,171,834.82</b>	<b>\$2,681,000.74</b>	<b>\$2,820,590.14</b>	<b>\$1,201,944.80</b>	<b>\$1,473,682.57</b>	<b>\$665,911.50</b>	<b>\$629,532.19</b>	<b>\$16,868,815.51</b>
<b>Power and Operations Invoices</b>	<b>\$2,119,287.74</b>	<b>\$4,346,541.32</b>	<b>\$3,556,007.63</b>	<b>\$3,333,723.91</b>	<b>\$3,644,347.92</b>	<b>\$4,109,940.39</b>	<b>\$4,403,421.00</b>	<b>\$3,759,235.19</b>	<b>\$3,557,495.45</b>	<b>\$2,701,549.09</b>	<b>\$2,165,876.37</b>	<b>\$2,109,587.29</b>	<b>\$39,807,013.32</b>

\* BR will not match reconciliation output on a monthly basis due to annual rate application.

2023 Vendor Charges by Vendor	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Total
<b>ACES Power Marketing</b>													
ASA: Utility Mgmt & Ops	\$25,000.00	\$27,250.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$302,250.00
<b>Vendor Total</b>	<b>\$25,000.00</b>	<b>\$27,250.00</b>	<b>\$25,000.00</b>	<b>\$25,000.00</b>	<b>\$25,000.00</b>	<b>\$25,000.00</b>	<b>\$25,000.00</b>	<b>\$25,000.00</b>	<b>\$25,000.00</b>	<b>\$25,000.00</b>	<b>\$25,000.00</b>	<b>\$25,000.00</b>	<b>\$302,250.00</b>
<b>ACT Commodities</b>													
RECs	-	-	-	-	-	-	-	-	-	-	-	\$130,175.00	\$130,175.00
<b>Vendor Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$130,175.00</b>	<b>\$130,175.00</b>
<b>AEWSD</b>													
JPA	\$1,081.10	\$1,813.82	\$2,337.52	\$1,665.88	\$1,773.48	\$1,388.54	\$1,580.36	\$2,118.74	\$1,225.62	\$1,191.70	\$1,105.42	\$1,004.63	\$18,286.81
ASA: Utility Mgmt	\$4,324.38	\$7,255.26	\$9,350.06	\$6,663.52	\$7,093.91	\$5,554.17	\$6,321.44	\$8,474.98	\$4,902.50	\$4,766.81	\$4,421.69	\$4,018.51	\$73,147.23
<b>Vendor Total</b>	<b>\$5,405.48</b>	<b>\$9,069.08</b>	<b>\$11,687.58</b>	<b>\$8,329.40</b>	<b>\$8,867.39</b>	<b>\$6,942.71</b>	<b>\$7,901.80</b>	<b>\$10,593.72</b>	<b>\$6,128.12</b>	<b>\$5,958.51</b>	<b>\$5,527.11</b>	<b>\$5,023.14</b>	<b>\$91,434.04</b>
<b>APX - Astoria</b>													
2023 Charges - Settlement	(\$109,884.41)	(\$61,186.38)	(\$62,468.61)	(\$21,456.48)	(\$4,698.51)	(\$44,776.52)	(\$176,977.68)	(\$185,637.38)	(\$36,621.65)	(\$29,599.10)	(\$33,028.96)	(\$27,105.57)	(\$793,441.24)
2022 Recon													(\$139,871.02)
2023 Closed Year													\$25.56
2024 (forward year)													(\$56,365.11)
<b>Vendor Total</b>	<b>(\$109,884.41)</b>	<b>(\$61,186.38)</b>	<b>(\$62,468.61)</b>	<b>(\$21,456.48)</b>	<b>(\$4,698.51)</b>	<b>(\$44,776.52)</b>	<b>(\$176,977.68)</b>	<b>(\$185,637.38)</b>	<b>(\$36,621.65)</b>	<b>(\$29,599.10)</b>	<b>(\$33,028.96)</b>	<b>(\$27,105.57)</b>	<b>(\$989,651.82)</b>
<b>BBMS</b>													
Utility Mgmt	\$115.81	\$356.08	\$670.25	\$219.35	\$520.99	\$525.45	\$554.34	\$308.95	\$302.14	\$399.70	\$572.63	\$387.93	\$4,933.62
<b>Vendor Total</b>	<b>\$115.81</b>	<b>\$356.08</b>	<b>\$670.25</b>	<b>\$219.35</b>	<b>\$520.99</b>	<b>\$525.45</b>	<b>\$554.34</b>	<b>\$308.95</b>	<b>\$302.14</b>	<b>\$399.70</b>	<b>\$572.63</b>	<b>\$387.93</b>	<b>\$4,933.62</b>
<b>Board of Equalization</b>													
BOE	\$4,044.00	\$4,044.00	\$4,044.00	\$7,140.00	\$7,140.00	\$7,140.00	\$11,677.33	\$11,677.33	\$11,677.33	\$6,400.00	\$6,400.00	\$6,400.00	\$87,784.00
<b>Vendor Total</b>	<b>\$4,044.00</b>	<b>\$4,044.00</b>	<b>\$4,044.00</b>	<b>\$7,140.00</b>	<b>\$7,140.00</b>	<b>\$7,140.00</b>	<b>\$11,677.33</b>	<b>\$11,677.33</b>	<b>\$11,677.33</b>	<b>\$6,400.00</b>	<b>\$6,400.00</b>	<b>\$6,400.00</b>	<b>\$87,784.00</b>
<b>CAISO</b>													
Grid Mgmt	\$6,228.48	\$11,692.74	\$11,141.09	\$16,615.65	\$24,816.92	\$25,168.36	\$27,789.30	\$24,874.08	\$18,430.70	\$16,119.09	\$10,591.97	\$7,955.82	\$201,424.20
FERC	\$686.89	\$2,116.90	\$1,693.93	\$1,970.31	\$2,988.96	\$3,445.75	\$4,111.03	\$3,380.54	\$2,507.07	\$2,278.49	\$1,514.44	\$1,094.69	\$27,789.00
Market	\$518,387.62	\$1,465,514.25	\$1,140,995.76	\$176,238.93	(\$19,789.61)	\$205,468.17	\$565,144.86	\$339,455.69	\$331,131.15	\$172,113.22	\$75,639.05	\$321,828.81	\$5,292,127.90
Other: TFR, RC West, NERC/WECC	\$3,642.86	\$3,642.86	\$3,642.86	\$3,642.86	\$3,642.86	\$3,642.86	\$3,642.86	\$3,642.86	\$3,642.86	\$3,642.86	\$3,642.86	\$3,642.86	\$43,714.34
Closed Year													(\$164,190.81)
CRR Collateral - 6799	\$1,923.34	\$7,396.85	\$21,772.77	\$20,065.70	\$73,118.55	\$22,311.41	\$29,243.51	\$10,576.44	\$1,690.13	-	\$660,741.17	\$695.98	\$849,535.85
CRR Collateral - 6799 Reversal	(\$1,923.34)	(\$7,396.85)	(\$21,772.77)	(\$20,065.70)	(\$73,118.55)	(\$22,311.41)	(\$29,243.51)	(\$10,576.44)	(\$1,690.13)	-	(\$660,741.17)	(\$695.98)	(\$849,535.85)
Transmission	\$233,902.26	\$770,159.32	\$619,152.41	\$712,186.80	\$1,062,132.35	\$1,213,756.06	\$1,456,192.21	\$1,191,628.01	\$891,513.20	\$733,534.67	\$487,371.51	\$350,753.07	\$9,722,281.87
<b>Vendor Total</b>	<b>\$762,848.11</b>	<b>\$2,253,126.07</b>	<b>\$1,776,626.05</b>	<b>\$910,654.55</b>	<b>\$1,073,791.48</b>	<b>\$1,451,481.20</b>	<b>\$2,056,880.26</b>	<b>\$1,562,981.18</b>	<b>\$1,247,224.98</b>	<b>\$927,688.33</b>	<b>\$578,759.83</b>	<b>\$685,275.25</b>	<b>\$15,123,146.50</b>
<b>Cameron Daniel</b>													
Fixed Fee	\$36,350.00	\$36,350.00	\$36,350.00	\$36,350.00	\$36,350.00	\$36,350.00	\$36,350.00	\$36,350.00	\$36,350.00	\$36,350.00	\$36,350.00	\$36,350.00	\$436,200.00
Special Projects / Expenses	-	\$196.90	\$1,020.00	\$475.60	\$1,100.45	\$642.13	\$23.40	\$140.70	\$27.00	\$267.00	\$23.60	\$140.10	\$4,056.88
WP Buyer Agent	\$587.50	\$329.00	\$2,420.50	\$305.00	\$732.00	\$30.50	-	\$122.00	\$732.00	\$701.50	\$671.00	-	\$6,631.00
Direct Consulting (District Specific)	\$60.00	-	\$61.00	\$305.00	\$213.50	\$61.00	\$1,098.00	\$1,830.00	\$91.50	\$91.50	\$335.50	\$579.50	\$4,726.50
Direct Consulting (Included in fixed fee)	-	-	-	\$230.00	-	-	-	-	-	-	-	-	\$230.00
<b>Vendor Total</b>	<b>\$36,997.50</b>	<b>\$36,875.90</b>	<b>\$39,851.50</b>	<b>\$37,435.60</b>	<b>\$38,395.95</b>	<b>\$37,083.63</b>	<b>\$37,471.40</b>	<b>\$38,442.70</b>	<b>\$37,200.50</b>	<b>\$37,410.00</b>	<b>\$37,380.10</b>	<b>\$37,069.60</b>	<b>\$451,614.38</b>
<b>Canadian Solar - Slate Solar and BESS</b>													
Solar Contract	\$57,109.75	\$91,507.27											\$148,617.02
Battery Contract	\$67,000.00	\$65,999.78											\$132,999.78
DDE	\$6,886.04	\$10,396.85											\$17,282.89
Closed Year													-
<b>Vendor Total</b>	<b>\$130,995.79</b>	<b>\$167,903.90</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$298,899.69</b>
<b>District RECs (invoiced by PWRPA)</b>													
Zone 7, RD108	-	-	-	-	-	-	-	-	-	-	\$12,475.00	-	\$12,475.00
Johnston Farms	-	-	\$108.15	-	-	-	-	-	-	-	-	\$212.30	\$320.45
Central Valley Ag (Moore)	-	-	\$13.55	-	-	-	-	-	-	-	-	\$25.75	\$39.30
<b>Vendor Total</b>	<b>-</b>	<b>-</b>	<b>\$121.70</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$12,475.00</b>	<b>\$238.05</b>	<b>\$12,834.75</b>
<b>GL Renewables</b>													
Santa Teresa and Penitencia	\$3,475.65	\$3,807.88	\$6,061.29	\$4,955.96	\$7,385.00	\$3,705.55	\$8,116.45	\$6,270.42	\$4,523.02	\$4,455.27	\$3,340.37	\$2,474.06	\$58,570.92
<b>Vendor Total</b>	<b>\$3,475.65</b>	<b>\$3,807.88</b>	<b>\$6,061.29</b>	<b>\$4,955.96</b>	<b>\$7,385.00</b>	<b>\$3,705.55</b>	<b>\$8,116.45</b>	<b>\$6,270.42</b>	<b>\$4,523.02</b>	<b>\$4,455.27</b>	<b>\$3,340.37</b>	<b>\$2,474.06</b>	<b>\$58,570.92</b>
<b>Holland &amp; Knight</b>													
WDT3	-	\$385.00	-	-	\$849.24	\$5,774.68	\$1,975.68	\$1,440.60	\$4,283.68	\$6,253.38	\$2,399.67	\$1,402.80	\$24,764.73
<b>Vendor Total</b>	<b>-</b>	<b>\$385.00</b>	<b>-</b>	<b>-</b>	<b>\$849.24</b>	<b>\$5,774.68</b>	<b>\$1,975.68</b>	<b>\$1,440.60</b>	<b>\$4,283.68</b>	<b>\$6,253.38</b>	<b>\$2,399.67</b>	<b>\$1,402.80</b>	<b>\$24,764.73</b>
<b>McCarty</b>													
Retainer	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$36,000.00
WDT3	-	-	\$4,883.47	\$1,780.17	\$4,025.00	\$2,310.00	-	-	-	-	\$2,555.00	-	\$15,553.64
<b>Vendor Total</b>	<b>\$3,000.00</b>	<b>\$3,000.00</b>	<b>\$7,883.47</b>	<b>\$4,780.17</b>	<b>\$7,025.00</b>	<b>\$5,310.00</b>	<b>\$3,000.00</b>	<b>\$3,000.00</b>	<b>\$3,000.00</b>	<b>\$3,000.00</b>	<b>\$5,555.00</b>	<b>\$3,000.00</b>	<b>\$51,553.64</b>
<b>MNB - Slate Solar and BESS</b>													
Solar Contract			\$103,813.50	\$160,989.07	\$183,927.41	\$193,969.83	\$217,734.24	\$195,373.49	\$160,429.79	\$131,498.67	\$89,295.63	\$66,342.35	\$1,503,373.98
Battery Contract			\$64,522.41	\$64,048.25	\$54,970.15	\$53,081.82	\$67,000.00	\$67,000.00	\$67,000.00	\$66,256.77	\$65,917.35	\$67,000.00	\$636,796.75
DDE - Current Year			\$26,494.08	\$24,045.09	\$9,334.70	\$12,587.48	\$9,607.18	\$9,999.48	\$14,977.45	\$17,207.37	\$13,901.12	\$5,332.52	\$143,486.47
RAAIM/FC Fee	(\$5,219.67)	(\$111.35)	(\$898.87)	(\$105.91)	\$127.35	\$318.04	\$351.75	\$121.20	(\$96.80)	-	-	-	(\$5,514.26)
Closed Year									\$48,970.03	\$67,000.00	\$62,373.52	(\$27,295.35)	\$151,048.20
<b>Vendor Total</b>	<b>(\$5,219.67)</b>	<b>(\$111.35)</b>	<b>\$193,931.12</b>	<b>\$248,976.50</b>	<b>\$248,359.61</b>	<b>\$259,957.17</b>	<b>\$294,693.17</b>	<b>\$272,494.17</b>	<b>\$291,280.47</b>	<b>\$281,962.81</b>	<b>\$231,487.62</b>	<b>\$111,379.52</b>	<b>\$2,429,191.14</b>
<b>NCPA</b>													
<b>Lodi Energy Center</b>													
Invoice - Current Year													\$779,438.00
Invoice - 2022 Recon													(\$916,208.00)
Invoice 2023 Closed Year													(\$21,769.00)
Invoice - 2024 (forward year)													\$380,946.00
GHG													\$161,174.85
GHG Forward Year													\$88,508.15
<b>Category Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$472,090.00</b>
<b>Displacement</b>													
Displacement	-	-	-	(\$53,311.59)	(\$21,509.73)	(\$21,039.36)	(\$35,779.62)	(\$44,094.05)	(\$15,747.21)	(\$42,350.12)	-	-	(\$233,831.68)
<b>Vendor Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>(\$53,311.59)</b>	<b>(\$21,509.73)</b>	<b>(\$21,039.36)</b>	<b>(\$35,779.62)</b>	<b>(\$44,094.05)</b>	<b>(\$15,747.21)</b>	<b>(\$42,350.12)</b>	<b>-</b>	<b>-</b>	<b>\$238,258.32</b>
<b>NextEra</b>													
<b>Whitney Point Solar</b>													
CAISO Settlement	(\$96,491.58)	(\$57,964.31)	(\$65,635.84)	(\$20,274.77)	(\$27,241.22)	(\$36,001.18)	(\$153,531.87)	(\$130,312.68)	(\$50,600.68)	(\$52,580.43)	(\$43,919.37)	(\$40,681.74)	(\$775,235.66)
Contract Overhead	\$14,946.19	\$13,045.68	\$33,035.28	\$41,051.52	\$13,296.32	\$2,806.16	-	-	-	\$691.02	-	\$7.33	\$118,879.50
Negative Interval Credits	(\$2,711.04)	(\$3,069.91)	-	-	-	-	-	-	-	-	-	-	(\$5,780.95)
Energy	\$61,532.14	\$89,196.51	\$96,286.83	\$147,550.56	\$185,640.00	\$192,276.00	\$205,322.01	\$185,228.76	\$152,979.82	\$134,218.88	\$97,274.30	\$67,848.72	\$1,615,354.53
<b>Vendor Total</b>	<b>(\$22,724.30)</b>	<b>\$41,207.97</b>	<b>\$63,686.27</b>	<b>\$168,327.31</b>									

2023 Vendor Charges by Vendor	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Total
<b>PG&amp;E</b>													
WDT charges	\$89,184.03	\$97,677.18	\$74,391.14	\$83,930.00	\$84,644.13	\$87,526.20	\$96,912.04	\$101,885.52	\$93,111.79	\$85,791.86	\$71,177.51	\$61,307.07	\$1,027,538.47
Ownership Charges	\$1,805.51	\$1,805.51	\$1,805.51	\$1,805.51	\$1,805.51	\$1,805.51	\$1,805.51	\$1,805.51	\$1,805.51	\$1,805.51	\$1,805.51	\$1,805.51	\$21,666.12
Other charges (late fees)	-	-	-	-	-	-	-	-	-	-	\$19.63	-	\$19.63
<b>Vendor Total</b>	<b>\$90,989.54</b>	<b>\$99,482.69</b>	<b>\$76,196.65</b>	<b>\$85,735.51</b>	<b>\$86,449.64</b>	<b>\$89,331.71</b>	<b>\$98,717.55</b>	<b>\$103,691.03</b>	<b>\$94,917.30</b>	<b>\$87,597.37</b>	<b>\$73,002.65</b>	<b>\$63,112.58</b>	<b>\$1,049,224.22</b>
<b>RBI</b>													
Fixed Fee	\$48,583.00	\$51,012.50	\$51,012.50	\$51,012.50	\$51,012.50	\$51,012.50	\$51,012.50	\$51,012.50	\$51,012.50	\$51,012.50	\$51,012.50	\$51,012.50	\$609,720.50
T&M	\$104.50	\$109.50	\$109.50	\$109.50	\$109.50	\$109.50	\$109.50	\$109.50	\$109.50	\$109.50	\$109.50	\$109.50	\$1,309.00
Expenses	-	-	-	-	-	\$58.95	-	\$1,045.12	-	-	-	-	\$1,104.07
LTRID Hydro	-	-	-	\$2,950.25	\$519.50	\$1,995.25	\$1,039.50	\$756.00	\$3,283.00	\$2,362.50	\$472.50	\$567.00	\$13,945.50
MCG Software	\$14,534.33	\$14,690.28	\$14,690.28	\$14,690.28	\$15,026.28	\$29,380.56	\$14,814.41	\$14,970.36	\$14,970.36	\$13,265.70	\$10,708.72	\$10,708.72	\$182,450.28
MCG Slate Data	-	-	-	-	-	-	-	-	\$5,425.00	-	-	-	\$5,425.00
Amazon Server	\$66.63	\$66.63	\$66.63	\$66.63	\$66.63	\$66.63	\$66.63	\$66.63	\$66.63	\$66.63	\$66.63	\$66.63	\$799.56
OATI/Email/Webex	-	-	\$425.00	-	-	\$200.00	-	-	-	-	-	-	\$625.00
DSGS	\$135.00	-	-	-	-	-	-	\$1,888.50	\$2,408.25	\$307.00	\$425.25	\$567.00	\$5,731.00
Direct Consulting (from Fixed Fee)	-	\$129.43	\$74.63	\$24.43	\$27.77	\$160.56	-	\$42.12	\$70.66	-	-	\$288.61	\$818.22
<b>Vendor Total</b>	<b>\$63,423.46</b>	<b>\$65,878.91</b>	<b>\$66,303.91</b>	<b>\$68,829.16</b>	<b>\$66,734.41</b>	<b>\$82,823.39</b>	<b>\$67,042.54</b>	<b>\$69,848.61</b>	<b>\$77,275.24</b>	<b>\$67,123.83</b>	<b>\$62,795.10</b>	<b>\$63,031.35</b>	<b>\$821,109.91</b>
<b>Recurrent - Astoria</b>													
2023 Contract Energy Cost	\$79,489.51	\$103,992.21	\$127,382.20	\$187,031.65	\$196,723.50	\$199,397.39	\$211,548.03	\$181,342.78	\$156,085.95	\$136,787.73	\$92,472.55	\$73,250.50	\$1,745,504.00
<b>Vendor Total</b>	<b>\$79,489.51</b>	<b>\$103,992.21</b>	<b>\$127,382.20</b>	<b>\$187,031.65</b>	<b>\$196,723.50</b>	<b>\$199,397.39</b>	<b>\$211,548.03</b>	<b>\$181,342.78</b>	<b>\$156,085.95</b>	<b>\$136,787.73</b>	<b>\$92,472.55</b>	<b>\$73,250.50</b>	<b>\$1,745,504.00</b>
<b>Trimark</b>													
Cell Comm	\$11,176.00	\$11,176.00	\$11,158.40	\$11,158.40	\$11,123.20	\$11,052.80	\$11,105.60	\$11,105.60	\$11,105.60	\$11,105.60	\$11,105.60	\$11,052.80	\$133,425.60
T&M	\$4,197.50	\$3,133.75	\$4,628.75	\$4,628.75	\$4,370.00	\$3,996.25	\$3,795.00	\$3,277.50	\$3,565.00	\$5,203.75	\$8,941.25	\$3,622.50	\$53,360.00
Metering Charges	\$33,822.27	\$33,822.27	\$33,769.34	\$33,769.34	\$33,663.48	\$33,451.76	\$33,610.55	\$33,610.55	\$33,610.55	\$33,610.55	\$33,610.55	\$33,451.76	\$403,802.97
<b>Vendor Total</b>	<b>\$49,195.77</b>	<b>\$48,132.02</b>	<b>\$49,556.49</b>	<b>\$49,556.49</b>	<b>\$49,156.68</b>	<b>\$48,500.81</b>	<b>\$48,511.15</b>	<b>\$47,993.65</b>	<b>\$48,281.15</b>	<b>\$49,919.90</b>	<b>\$53,657.40</b>	<b>\$48,127.06</b>	<b>\$590,588.57</b>
<b>WAPA</b>													
<b>Base Resource</b>													
Base Resource Energy	\$185,383.94	\$185,383.94	\$185,383.94	\$442,325.17	\$442,325.17	\$442,325.17	\$442,325.17	\$442,325.17	\$442,325.17	\$152,452.53	\$152,452.53	\$152,452.53	\$3,667,460.43
BR Exchange	\$1,480.81	\$1,335.34	\$360.28	(\$7,968.05)	(\$40,434.82)	\$2,404.77	\$8,795.83	\$3,863.88	\$42.54	\$27.21	\$32.85	\$1,027.69	(\$29,031.67)
First Pref True-up	(\$5,958.12)	(\$5,958.12)	(\$5,958.12)	(\$5,958.12)	(\$5,958.12)	(\$5,958.12)	(\$5,958.12)	(\$5,958.12)	(\$5,958.12)	(\$22,976.13)	(\$22,976.13)	(\$23,575.88)	(\$123,151.22)
Restoration	\$55,598.34	\$55,598.34	\$55,598.34	\$55,598.34	\$55,598.34	\$55,598.34	\$51,359.73	\$55,598.34	\$48,464.34	\$48,464.34	\$48,464.34	\$48,464.34	\$634,405.47
WREGIS	-	\$387.53	\$50.95	\$2.84	-	-	\$312.78	\$306.40	\$244.99	-	\$549.96	\$177.13	\$2,032.58
<b>Category Total</b>	<b>\$236,504.97</b>	<b>\$236,747.03</b>	<b>\$235,435.39</b>	<b>\$484,000.18</b>	<b>\$451,530.57</b>	<b>\$494,370.16</b>	<b>\$496,835.39</b>	<b>\$496,135.67</b>	<b>\$485,118.92</b>	<b>\$177,967.95</b>	<b>\$178,523.55</b>	<b>\$178,545.81</b>	<b>\$4,151,715.59</b>
<b>Exhibit C WDT Invoice</b>													
WDT Pass-through	\$502,155.88	\$1,179,355.55	\$799,304.85	\$931,493.35	\$1,029,148.66	\$1,094,552.80	\$1,059,874.68	\$1,038,662.00	\$885,550.30	\$836,145.51	\$704,454.41	\$556,146.67	\$10,616,844.66
Ownership Charges	\$66,517.60	\$67,058.75	\$67,058.75	\$69,053.27	\$68,693.27	\$68,257.64	\$68,257.64	\$68,257.64	\$68,257.64	\$68,257.64	\$68,257.64	\$68,257.64	\$816,185.12
Prior Period	-	-	-	-	\$69,077.41	-	-	\$48,268.31	(\$9,099.57)	-	(\$131.90)	\$49,368.10	\$157,482.35
<b>Category Total</b>	<b>\$568,673.48</b>	<b>\$1,246,414.30</b>	<b>\$866,363.60</b>	<b>\$1,000,546.62</b>	<b>\$1,166,919.34</b>	<b>\$1,162,810.44</b>	<b>\$1,128,132.32</b>	<b>\$1,155,187.95</b>	<b>\$944,708.37</b>	<b>\$904,403.15</b>	<b>\$772,580.15</b>	<b>\$673,772.41</b>	<b>\$11,590,512.13</b>
<b>Vendor Total</b>	<b>\$805,178.45</b>	<b>\$1,483,161.33</b>	<b>\$1,101,798.99</b>	<b>\$1,484,546.80</b>	<b>\$1,618,449.91</b>	<b>\$1,657,180.60</b>	<b>\$1,624,967.71</b>	<b>\$1,651,323.62</b>	<b>\$1,429,827.29</b>	<b>\$1,082,371.10</b>	<b>\$951,103.70</b>	<b>\$852,318.22</b>	<b>\$15,742,227.72</b>
<b>White Pine/Garlock</b>													
White Pine Solar	\$1,466.69	\$1,842.65	\$2,550.75	\$3,531.74	\$3,783.91	\$4,095.30	\$4,277.33	\$3,656.00	\$2,656.10	\$2,180.11	\$1,529.48	\$1,155.26	\$32,725.32
<b>Vendor Total</b>	<b>\$1,466.69</b>	<b>\$1,842.65</b>	<b>\$2,550.75</b>	<b>\$3,531.74</b>	<b>\$3,783.91</b>	<b>\$4,095.30</b>	<b>\$4,277.33</b>	<b>\$3,656.00</b>	<b>\$2,656.10</b>	<b>\$2,180.11</b>	<b>\$1,529.48</b>	<b>\$1,155.26</b>	<b>\$32,725.32</b>
<b>Power and Operations Invoices</b>	<b>\$1,924,341.89</b>	<b>\$4,288,390.75</b>	<b>\$3,505,068.10</b>	<b>\$3,221,089.62</b>	<b>\$3,597,364.08</b>	<b>\$3,978,059.20</b>	<b>\$4,347,192.51</b>	<b>\$3,815,794.12</b>	<b>\$3,490,218.33</b>	<b>\$2,737,408.11</b>	<b>\$2,186,138.69</b>	<b>\$2,109,436.15</b>	<b>\$39,312,190.18</b>
<i>VC by Cost Category (Reconciliation)</i>	<i>\$2,119,287.74</i>	<i>\$4,346,541.32</i>	<i>\$3,556,007.63</i>	<i>\$3,333,723.91</i>	<i>\$3,644,347.92</i>	<i>\$4,109,940.39</i>	<i>\$4,403,421.00</i>	<i>\$3,759,235.19</i>	<i>\$3,557,495.45</i>	<i>\$2,701,549.09</i>	<i>\$2,165,876.37</i>	<i>\$2,109,587.29</i>	<i>\$39,807,013.32</i>
Direct Consulting	\$60.00	\$129.43	\$135.63	\$559.43	\$241.27	\$221.56	\$1,098.00	\$1,872.12	\$162.16	\$91.50	\$335.50	\$868.11	\$5,774.72
2022 Reconciliation	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	-\$1,056,079.02
2023 Closed Year	\$0.00	\$0.00	\$0.00	\$0.00	\$69,077.41	\$0.00	\$0.00	\$48,268.31	\$39,870.46	\$67,000.00	\$62,241.62	\$22,072.75	\$122,596.30
Reimbursed Costs (DSGS, LTRID Hydro)	\$135.00	\$0.00	\$0.00	\$2,950.25	\$519.50	\$1,995.25	\$1,039.50	\$2,644.50	\$5,691.25	\$2,669.50	\$897.75	\$1,134.00	\$19,676.50
2024 (Next Year Costs)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$413,089.04
Difference in Financials and Cost Allocation:											Difference in Financials and Cost Allocation:		\$119.31
													*\$200 dollars in settlement interval vs invoice rounding

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**APPENDIX C**

ASA EXHIBIT E VERSION 10

**Power & Water Resources Pooling Authority  
Resolution 23-06-05**

**AGGREGATION SERVICES AGREEMENT – EXHIBIT E VERSION 10**

WHEREAS, Aggregation Services Agreement (“ASA”) Exhibit E describes the rate methodology and cost allocation principles associated with PWRPA’s provision of electric services to the Project Participants, and describes a process by which each Project Participant’s actual cost of service is annually reconciled with revenue collected from such Project Participant through pro forma rates (including any inter-period rate adjustment); and

WHEREAS, a comprehensive amendment to the ASA Exhibit E was approved by Resolution 20-10-19, which among other things, included “a consistent cost and benefit allocation methodology across all power resources, both physical and financial” whereby each “Participant shall pay all costs and receive all benefits for each Specific Project according to the Project participation shares in each Project;” and

WHEREAS, in the summer of 2022, PWRPA participated in the Demand Side Grid Support Program implemented by the California Energy Commission whereby certain of PWRPA’s customers provided demand response services to the State of California; and

WHEREAS, PWRPA received compensation from the State participating and also incurred operational costs for scheduling and administrative tasks.

NOW, THEREFORE, BE IT RESOLVED that the PWRPA Board of Directors hereby:

1. Approves the amendment to ASA Exhibit E, Section VI Cost Allocation Algorithms, Subsection I Load Costs, as shown here in italics:
  1. Cost Allocation: Participant hourly Energy.
  2. Costs include all day-ahead and real-time energy, congestion, and loss charges.
  3. *Demand Response programs will use a combination of Participant hourly energy and Participant load forecast for Cost Allocation.*
2. Authorizes this Resolution to have an Effective Date of January 1, 2023, thereby, being applicable to the demand response cost allocations in the 2022 Annual Reconciliation.
3. Directs the General Counsel to prepare a conformed blackline full copy of Exhibit E signified as Version 10 and attach it to the official version of this Resolution.

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**Power & Water Resources Pooling Authority**  
**Resolution 23-06-05**

PASSED AND ADOPTED by the PWRPA this 7<sup>th</sup> day of June 2023, by the following vote on roll call:

AYES	Arvin-Edison WSD, Banta Carbona ID, Byron Bethany ID, Cawelo WD, Glenn-Colusa ID, James ID, Lower Tule River ID, Princeton/Provident ID, RD 108, Santa Clara Valley WD, Sonoma County WA, The West Side ID, West Stanislaus ID, Westlands WD, Zone 7 WA (100.0% voting shares)
NOES	None
ABSENT	None



\_\_\_\_\_  
David Weisenberger  
Chairman



\_\_\_\_\_  
Attest by: Bruce McLaughlin  
Secretary

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**Attachment A  
to  
Resolution 23-06-05**

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Exhibit E  
To the  
Aggregation Services Agreement  
(Version E.10)

**- Rate Methodology and Cost Allocation Principles -**

This Exhibit E is effective as of: January 1, 2023 (Resolution 23-06-05).

The following sets forth the general principles for allocating estimated costs based upon estimated Project Participant power use, in order to derive pro forma power rates to allocate the estimated costs, and for reconciling revenues collected through rates from Project Participants with the actual, after-the-fact costs of service. The objective of these principles is to ensure that sufficient revenue is collected from each Project Participant to recover actual costs incurred by PWRPA on behalf of the Project Participants and to establish and maintain a reserve fund with sufficient margin to address any potential under-collections.

**I. Documents Included**

- A. This Exhibit E consists of this document and the documents appended hereto as Appendix 1, entitled “Policy for Allocation of Power Resources” (“Power Allocation Policy”), Appendix 2 entitled Resource Adequacy Cost of Compliance Rule and Appendix 3 entitled RPS Cost of Compliance Rule. In the event of any conflict between this document and any of the Appendices, the terms and provisions of the Appendices shall control, it being the intent of the Project Participants that the Appendices shall be used to interpret, implement and administer the principles set forth in this document.
- B. Any reference to a policy, agreement, statute or regulation means that document as amended, subject to any restrictions on amendment contained in that document.

**II. Cost of Service Estimate**

- C. Annually, PWRPA shall estimate the cost to serve each Project Participant using the cost allocation algorithms set forth in Section VI, below, Participant-specific estimates, and in conformance with the following principles.
- D. Costs shall be allocated to each Project Participant sufficient to recover its respective proportion of costs of service for acquiring, scheduling, transmitting, distributing, and reconciling its own load and resources portfolios.
- E. The cost of estimated resources to serve PWRPA’s load under this Agreement shall be allocated to Project Participants on a pro rata basis for load or contract share basis for Specific Projects.
- F. Costs for Supplemental Power procured under this Agreement shall be in direct proportion to the respective Project Participant’s estimated residual need for power to supplement its Base Resource Contract (“BRC”) Allocation and Specific Projects.



- G. Costs for Capacity are allocated on a pro rata basis and discussed in more detail in Appendix 2 Resource Adequacy Cost of Compliance Rule.
- H. Costs for Renewable Portfolio Standard (“RPS”) compliance are across multiple years. While most of the required Renewable Energy Certificates (“RECs”) come from PWRPA’s portfolio of resources, PWRPA may need to make short-term REC purchases to fill any gaps. Those purchases will be allocated on an RPS net short basis. RPS procedures are more fully outlined in Appendix 3 RPS Cost of Compliance Rule.
- I. Each Project Participant shall bear account for and pay for it its own, individual, third-party transmission and distribution costs incurred in the implementation of this Agreement.

### **III. Pro Forma Power Rates**

- A. PWRPA shall establish pro forma power rates for each Project Participant based on the fiscal year cost of service estimates for each Project Participant.
- B. The pro forma rates may include an energy component designed to over-collect revenue to reasonably mitigate for uncertainties in marginal pricing, loads and resource volumes.
- C. The Project Participants shall be billed monthly based on the established pro forma rates.

### **IV. Inter-Period Rate Adjustments**

- A. The Board of Directors shall review pro forma power rates biannually to determine whether the pro forma power rates should be adjusted to address shortfalls or over-collections that may occur.
- B. The pro forma power rates may be adjusted by the Board of Directors as may be reasonably required to address shortfalls or over-collections. PWRPA shall provide as much advance notice to Project Participants of adjusted pro forma power rates as reasonably practicable, but in no event less than 15 business days. Without limiting the generality of the foregoing, the Board of Directors may adjust pro forma power rates for specific Project Participants to address changes in power portfolio volumes, costs or revenues.
- C. Adjusted rates shall be based on the principles set forth in Sections II and III, above.

### **V. Annual Reconciliation**

- A. As soon as practicable after the fiscal year, PWRPA shall reconcile, on an accrual basis as of that date, each Project Participant’s collected revenue from invoiced power rates with the Project Participant’s actual cost of service.
- B. Actual cost allocation shall conform to the cost allocation algorithms described in Section VI, below.
- C. Upon approval of the Annual Reconciliation statement by the Board of Directors, over- or under-collection of revenue from Project Participants shall be returned or credited to Project Participants after first satisfying any

requirement to contribute to the reserve fund. Project Participants shall have a 90-day review period to propose amendments to the Board, after which the Annual Reconciliation statement shall become final.

## **VI. Cost Allocation Algorithms**

The following algorithms are the mechanisms that implement the foregoing cost allocation principles and shall be adjusted as directed by the Board of Directors to more accurately reflect those principles. These algorithms shall be used to: (1) allocate estimated costs for purposes of establishing the pro forma power rates; and (2) define actual costs attributable to Project Participants for purposes of the Annual Reconciliation process. A precise list of invoices and algorithms for each category will be detailed in each year's Annual Reconciliation report.

As used in this document and the Appendices, the word "energy" whether capitalized or not, means the electrical energy produced, flowing or supplied by generation, transmission or distribution facilities and procured by the Project Participant, being measured in units of kilowatt-hours or standard multiples thereof.

### **A. Joint Power Authority General Overheads**

1. Cost Allocation: Pro Rata of Parties and Stakeholders found in Joint Powers Agreement Exhibit C, Table 2, Section 3.8.2.3.
2. Costs include, but are not limited to, planning, meetings, supplies, and office equipment.

### **B. Metering and Meter Data Management**

1. Cost Allocation: Pro Rata of Active Meters.
2. Costs include, but are not limited to, meter reading, meter communication, meter validation, grid operator meter data management, and annual audits related to meters and meter data.

**C. Utility Management** are costs incurred for managerial functions required to implement this Aggregation Services Agreement ("ASA"). The basic functions are required regardless of load, however, increased loads may cause commensurate increases in financial risk and the level of managerial services required in this cost category.

1. Cost Allocation: Project Participant Voting Share found in Joint Powers Agreement Exhibit C, Table 1.
2. Costs include staff and contractor costs for treasurer services, annual cost reconciliation, annual audits, power budget and pro forma rate development, operations planning, contractor coordination, meeting implementation, meeting materials development, legal services involving public utility and electricity law, legislative/regulatory policy development and compliance, and legal services involving the PG&E Wholesale Distribution Tariff.

**D. Utility Operations (Fixed)** are costs incurred for operations functions required to implement the ASA. The basic functions are required regardless of load, however, increased loads may cause commensurate increases in financial risk and the level of managerial services required.

1. Cost Allocation: Project Participant Voting Share found in Joint Powers Agreement Exhibit C, Table 1.
2. Costs include staff and contractor costs for certain scheduling coordinator services, load/resource scheduling, regulatory reporting, risk management policy compliance, trading controls, power invoices, quarterly rate analysis, operations reporting, pre-reconciliation reporting, power settlements, and information technology services.

**E. Utility Operations (Variable)** are costs incurred for operations functions required to implement the ASA that are variable in nature. Increased loads may cause commensurate increases in financial risk and the level of operations services required.

1. Cost Allocation: Energy.
2. Costs include staff and contractor costs for daily load-resource optimization (load profiles, resource shaping, congestion revenue rights schedules) and short-term portfolio planning (net short analysis, monthly portfolio management, forward contract purchases).

**F. Distribution**

1. Cost Allocation: Peak Demand for interval meters and Energy for energy meters.
2. Costs include distribution and cost of ownership invoices from the wholesale distribution service provider.

**G. Transmission**

1. Cost Allocation: Distribution Loss Factor Energy.
2. Costs include pro rata share of transmission owner revenue requirement.

**H. Balancing Authority Operator Charges**

1. Cost Allocation:
  - a. Grid Management & Miscellaneous charges: Energy.
  - b. Ancillary Services: Energy less qualifying generation.
2. Costs include all charges from the grid operator and other reliability governing bodies that are not explicitly handled in the load and resource allocation rules.

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**I. Load Costs**

1. Cost Allocation: Participant hourly Energy.
2. Costs include all day-ahead and real-time energy, congestion, and loss charges.
3. Demand Response programs will use a combination of Participant hourly energy and Participant load forecast for Cost Allocation.

**J. Base Resource (“BR”)**

1. Cost Allocation:
  - a. Energy: Annual Contract Share basis.
  - b. Displacement: Net Use of BR energy.
  - c. Pooling: Split the Savings / Revenue (further defined in Appendix 1).
  - d. Overhead: Annual Contract Share.
2. Costs include invoices for Energy, Restoration Fund, WREGIS fees, prior year true-ups, and grid operator revenue or expenses.

**K. Specific Projects (as further described in Appendix 1)**

1. Cost Allocation: Project Share.
2. Costs include, but are not limited to, Energy, grid operator revenue or expenses, plant operator costs, grid management costs, staff overhead for scheduling, settlement, and reporting costs.

**L. Supplemental Power – Energy**

1. Cost Allocation: Net Short energy as determined at time of contract solicitation.
2. Costs include contract energy charges and grid operator revenue or expenses.

**M. Supplemental Power – Other**

1. Cost Allocation: contract share at time of solicitation.
2. Costs may include, but are not limited to, procurement for Resource Adequacy, Renewable Energy Credits, Greenhouse Gas allowances, and other attributes not covered in the Base Resource, Specific Project, or Supplemental Power categories.

## **Appendix 1 to Exhibit E**

### **Policy for Allocation of Power Resources**

**Purpose:** This policy describes the mechanisms employed by PWRPA under the Aggregation Services Agreement to allocate the costs and benefits of power resources between and among Project Participants.

**Background:** Project Participants are moving away from generic Supplemental Power and are procuring more tailored portfolios. Specifically, Project Participants are entering into an increasing number of contracts classified in the Specific Project-Renewable tier. The original process of aggregating all Specific Projects unnecessarily complicated the energy and cost allocation and inhibited capabilities to accurately assess Specific Project performance metrics. Version 9 eliminates resource pooling except for BR from the Central Valley Project. BR pooling is now calculated on a daily basis rather than hourly thereby enabling Project Participants to retain more of their BR contract share and maximize the economic opportunities from the markets.

**Policy Statement:** This Policy Statement shall, together with the specific parameters defined in Table 1, constitute PWRPA's policy for allocating the costs and benefits of physical and financial power sources to Project Participants. As it relates to Renewable Portfolio Standard Compliance ("RPS") and Resource Adequacy ("RA"), this Policy Statement is subject to Appendix 2 (RA Cost of Compliance Rule) and Appendix 3 (RPS Cost of Compliance Rule) to Exhibit E. The Appendices shall be used to further interpret, implement and administer the principles set forth in this Policy Statement as related to allocating all power resources. Relevant technical documentation shall be included as part of, and included in, PWRPA's annual reconciliation process.

- 1) Each Participant should communicate its load estimate on a day-ahead basis. PWRPA will estimate the load based on historical usage in absence of a confirmed Participant forecast (ASA Section 7.2).
- 2) PWRPA will aggregate all Participant load into zonal forecasts as designed by the CAISO. PWRPA or its agent will schedule as accurately as possible into the day-ahead market for each hour (ASA Section 7.3).
- 3) Each Participant's hourly net load will be allocated all load costs associated with energy, congestion, and losses from the CAISO's day-ahead and real-time markets. For avoidance of doubt, this includes all Congestion Revenue Right hedging activity.
- 4) PWRPA shall employ a consistent cost and benefit allocation methodology across all power resources, both physical and financial. Each Participant shall pay all costs and receive all benefits for each Specific Project according to the Project participation shares in each Project.
- 5) All operational decisions in regard to shaping resources (if applicable) and scheduling (physically or financially) shall be defined in the Project contract or at the discretion of the General Manager, subject to BROCC oversight.
- 6) PWRPA categorizes all resources into tiers for the purpose of grouping similarly treated resources together. These tiers are set forth in merit order consistent with the loading order adopted by the State of California. Table 1 identifies tiers and general allocation rules consistent with this Policy Statement. Projects will be classified into one tier only.
- 7) Resources classified in the Specific Project-Offsetting tier are treated similarly to the Energy Efficiency tier. The Participant's full allocation of energy from a Specific

Project-Offsetting is counted as an offset against the Participant’s load before calculating the BR pooling allocation as described below.

- 8) Base Resource is the only resource that is pooled in PWRPA primarily because it is a must-take resource. Pooling applies when there is excess BR energy after serving a Participant’s load. Participants that have excess BR energy contribute their excess to the Pool and Participants that are short receive energy from the pool. Pooling is used to keep BR within PWRPA when it is a benefit over the market alternative.
- 9) When BR energy is pooled, there are two split-the-savings transfers; one for the cost of the energy and the other for the revenue (or expense) from the CAISO. Because all Project Participants receive their allocation share of energy costs and revenues, it is important to transfer both the costs and credits for the pooled energy to the pooled energy recipient.
- 10) Supplemental Power physical or financial forward purchases and sales shall be classified in the Supplemental Power tier. Forward contracts are allocated to Participants based on the net position at the time the forward contract is procured. These net positions are guided by the Risk Management Policy and/or at the discretion of each Participant. For avoidance of doubt, each fixed forward contract can have a separate allocation matrix for Participant participation. Similar to Specific Projects, costs and revenues for Supplemental Power are allocated by Participant allocation with no pooling.
- 11) Day-ahead purchases and sales are done at the discretion of the Scheduling Agent and guided by written scheduling protocols. Day-ahead contracts are allocated based on monthly net long or short positions with no pooling.
- 12) Pursuant to ASA Section 2.3, the Board of Directors may modify the methodologies, procedures and specific parameters of this Policy Statement from time to time as necessary to address the unique attributes of Projects.

**Specific Project-Offsetting:**

- 1) Pursuant to Board Resolution 09-07-11, in determining the “residual load” or net short position of the Sonoma County Water Agency (“SCWA”) for purposes of sharing surplus BR under ASA Section 4.4.2, the full allocation of energy from the Warm Springs Hydroelectric Project (a Specific Project-Offsetting) will first be counted as an offset to SCWA’s load. As such, SCWA’s residual load will be calculated as SCWA’s total load minus: (a) the full allocation of energy from the Warm Springs Hydroelectric Project; and (b) SCWA’s BR contract share.
- 2) Pursuant to Board Resolution 16-02-04, in determining the “residual load” or net short position of the Westlands Water District (“WWD”) for purposes of sharing surplus BR under ASA Section 4.4.2, the full allocation of energy from the Westlands BOR (a Specific Project-Offsetting) will first be counted as an offset to WWD load. As such, WWD’s residual load will be calculated as WWD’s total load minus: (a) the full allocation of energy from the Westlands BOR; and (b) WWD’s BR contract share.

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**Table 1**

<b>Tiers</b>	<b>Loadin g Order</b>	<b>Allocation Percentage</b>	<b>Pooling Access Rule</b>	<b>Pooling Price Formul a</b>	<b>Split Savings %</b>	<b>Pooling Price Limit</b>	<b>Comments</b>
<b>Energy Efficiency</b>	-3	100% Participant	None	None	None	None	Internal to Participant
<b>Demand Response</b>	-2	100% Participant	None	None	None	None	Internal to Participant
<b>Onsite Generation supplied by Participant</b>	-1	100% Participant	None	None	None	None	Load Offset
<b>Retail Sale Load</b>	0	100% Participant	None	None	None	None	Internal to Participant
<b>Specific Project-Offsetting</b>	1	Project Share	None	None	None	None	Warm Springs and WWD BOR
<b>Base Resource (ASA Section 4.4)</b>	2	BRC Allocation %	Sequential Net Short (SNS)	Split-the-Benefit	50%	Minimum of BR Rate	Allocation and Pooling on a Daily basis (not hourly)
<b>Specific Project-Renewable (ASA Section 4.5b and 4.6)</b>	3	Project Share	None	None	None	None	
<b>Specific Project- Other (Section 4.5b and 4.6)</b>	4	Project Share	None	None	None	None	
<b>Supplemental Power – Forward Purchase</b>	5	Supplemental Power Allocation %	None	None	None	None	Allocation % to be based on a Net Short established at time of transaction
<b>Supplemental Power - Forward Sale</b>	6	Supplemental Power Allocation %	None	None	None	None	Allocation % to be established at time of transaction
<b>Supplemental Power – Day-Ahead (Purchase or Sale)</b>	7	Remaining Net Short or Net Long	SNS or SNL	None	None	None	

**Definitions for Table 1:**

- 1) Allocation Percentage –
  - a. Base Resource tier and all Specific Project tiers – the Allocation percentage shall be the pro-rata share of each Participant’s contract rights to the resource, as deliverable to PWRPA load, to the total contract rights to the resource, e.g., the Participants’ proportional rights to PWRPA’s aggregate right to BR.
  - b. Supplemental Power-Forward tiers – the Allocation percentage is contract-specific and based on the net position for each Participant at the time the forward contract is procured. The Risk Management Policy guides the timing and volume of procurement.

- c. Supplemental Power Day-Ahead tier – the Allocation percentage for Supplemental Power Day-Ahead shall be based on the monthly net long or net short position.

## 2) Base Resource Pooling Details

- a. Pooling Price Formula – shall mean some form of a “split-the-benefit” formula (savings or revenue). The split-the-benefit methodology applies when there is some savings or revenue between the pooled BR energy’s price and a market price alternative. The split-the-benefit formula requires a: (a) Unit Price; (b) Splitting Percentage; and (c) Market Price. The two Participants (donor and recipient) will split the benefit according to the splitting percentage. A price limit is optional.
- b. Pooling Price Formula application: When pooling BR resources, there are two pooling rates to derive and use; the rate to pool the BR energy cost, and also the rate to transfer the CAISO revenue.
  - i. Pooling of BR energy cost
    - 1. BR Unit Price: An annual rate derived by taking annual invoices divided by annual invoiced energy (imports and displaced energy). The annual rate will be estimated for purposes of pre-reconciliation reports.
    - 2. BR Market Price: The locational marginal price (“LMP”) most directly associated with the pooled energy’s reasonable market alternative is TH\_NP15. Since BR pooling is done daily, a daily weighted market price is derived from the hourly BR energy scheduled and the hourly LMP at TH\_NP15. In the event a market LMP cannot be calculated, this methodology will revert to using a proxy price such as the Intercontinental Exchange (“ICE”) daily price index or successor.
    - 3. Optional BR Price Limit: Floor set at BR Unit Price
  - ii. Pooling of CAISO revenue
    - 1. CAISO Unit Price: The LMP where energy was imported (or Displaced). BR pooling is done daily, therefore a daily weighted credit is derived from the actual hourly transactions and the hourly CAISO revenue rates applicable to imported and displaced BR.
    - 2. CAISO Market Price: Same as for pooling of the BR energy cost which is a daily weighted market price derived from the hourly BR energy scheduled and the hourly LMP at TH\_NP15.
    - 3. Optional CAISO Price Limit: Floor set at CAISO Unit Price.
- c. Splitting percentage for all split-the-benefit calculations shall be 50%, absent Board action to the contrary.
- d. Price Limits may be used to set a minimum or cap to the split-the-benefit rate derivation.



## **Appendix 2 to Exhibit E**

### **Resource Adequacy Cost of Compliance Rule (“RA Rule”)**

Effective 2013 Operating Year pursuant to Resolution 13-08-10.

**Purpose:** As provided in Section II.E. of Exhibit E, this RA Rule revises and implements mechanisms to be employed by PWRPA under the ASA to forecast and allocate costs associated with RA compliance.

**Applicability:** The PWRPA RA compliance obligations for Operating Year 2013, and thereafter, or until amended.

**Summary:** This RA Rule consists of four components: 1) Compliance Information; 2) Counting Conventions for RA; 3) Allocation of RA Costs; and 4) Additional Charges. Unless otherwise specified, all capitalized terms used in this RA Rule have the meanings given to such terms in the Aggregation Services Agreement.

- 1) Compliance Information:** The GM will provide information to Project Participants. The purpose of this information is to inform Project Participants of PWRPA's current and planned RA compliance activities and positions.

The GM, at a minimum, shall report quarterly to the Board the current and projected RA compliance position of PWRPA based on the best available forecast information of loads and resource performance available at the time of the report.

- 2) Counting Conventions:** The GM shall be responsible for the acquisition of sufficient RA products to assure PWRPA meets its compliance obligations, as described in the ISO tariff. In general, PWRPA's RA compliance obligation is to secure sufficient RA products to cover at least 115% of its peak load. RA products include, but are not limited to, system, local or fast ramp qualified demand response; unit contingent and firm capacity with or without associated energy sourced in California within the CAISO controlled grid, or sourced outside the CAISO controlled grid when accompanied with sufficient firm transmission and associated CAISO import capability allocations. The GM shall also rely on the RA counting conventions adopted by the Board, acting as PWRPA's Local Regulatory Authority ("LRA"), that include other forms of capacity that are accepted for submittal to the CAISO's RA process. In general, annual RA plans are submitted in October of each year, and monthly RA plans are submitted for approval each month.

Finally, the CAISO monitors RA plan performance as defined and described in the CAISO tariff. Actual RA resource performance in the CAISO markets is compared to RA planned performance. Absent a performance waiver, any RA deficiency on an hourly basis is subject to an CAISO RA performance penalty (as described in CAISO tariff).

- 3) Allocation of RA Costs:** For purposes of this RA Rule, each Project Participant shall be assigned responsibility for a share of PWRPA's RA compliance capacity by applying the criteria applicable to PWRPA to each Project Participant individually, where the sum of the individual Project Participant's responsibility shall equal PWRPA's responsibility in total.

On a planned and operational basis, total RA performance for PWRPA is equal to the sum of each Project Participant's share of PWRPA resources counted towards RA compliance. To the extent a specific resource satisfies a CAISO RA requirement for PWRPA, each Project Participant's share of that resource shall likewise satisfy the requirement for the Project Participant.

Any RA shortfall or deficiency that might accrue to PWRPA and require correction or adjustment, shall be allocated, for purposes of this RA Rule and as the case may be: (a) to each Project Participant on a pro-rata basis in relation to the Project Participant's share of the PWRPA RA resource(s) performance that caused the shortfall or deficiency; or (b) to the Project Participant's share of uncovered load (namely, electric load of the Project Participants for which no RA products have been secured to cover).

- 4) **Additional Charges:** PWRPA will endeavor to plan its RA portfolio to cost-effectively minimize the total cost of RA compliance on a planned basis. However, as noted in Section 2, above, the CAISO monitors RA plans and RA performance in real-time where market participants like PWRPA have little means to correct any imbalance that might occur from its RA Plans, which were submitted months in advance of the real time market. Any RA shortfall or deficiency that might accrue to PWRPA may, in certain circumstances, result in an CAISO charge, RA assessment or penalty ("Economic Sanction") applied to PWRPA after the fact without opportunity for cure by PWRPA. Each occurrence of an Economic Sanction depends on the circumstances at hand, and may be the result of resource performance, load volatility, or actions (inactions) by others out of PWRPA's control.

Any Economic Sanction that accrues to PWRPA will be allocated to each Project Participant on a pro-rata basis in relation to the Project Participant's share of the PWRPA RA resource(s) the performance of which caused the shortfall or deficiency or to the Project Participant's share of uncovered load, both of which as described in Section 3, above.

## Appendix 3 to Exhibit E

### RPS Cost of Compliance Rule ("RPS Rule")

Effective January 1, 2014 pursuant to Resolution 14-04-04.

**Purpose:** As provided in Section II.F. of Exhibit E, this RPS Rule revises and implements mechanisms to be employed by PWRPA under the ASA to forecast and allocate costs associated with RPS compliance.

**Applicability:** The PWRPA RPS compliance obligations for Compliance Period 2 (Jan 1, 2014 - Dec 31, 2016) & Period 3 (Jan 1, 2017 - Dec 31, 2020), and thereafter, or until amended.

**Summary:** The PWRPA Renewable Energy Resources Procurement Plan ("Procurement Plan") describes how PWRPA will achieve its RPS procurement requirements in each compliance period. This RPS Rule provides cost allocation rules, as contemplated in the RMP. This RPS Rule consists of six components: 1) Compliance Information; 2) Acquisition of Compliance Instruments; 3) Allocation of Compliance Costs; 4) RPS Funding; 5) Supplemental Power Cost Allocation Methodology Interaction; and 6) Additional Charges.

Unless otherwise specified, all capitalized terms used in this RPS Rule have the meanings given to such terms in the Aggregation Services Agreement.

- 1) Compliance Information:** The GM will provide information to Project Participants. The purpose of this information is to inform Project Participants of PWRPA's current and planned RPS compliance activities and positions.

The GM, at a minimum, shall report quarterly to the Board the current and projected RPS compliance position of PWRPA based on the best available forecast information of loads and resource performance available at the time of the report.

- 2) Acquisition of RPS Compliance Instruments:** The PWRPA Board of Directors shall be responsible for procuring sufficient compliance instruments to assure PWRPA meets its obligations for all compliance periods and thereafter unless amended. For the purpose of this RPS Rule, a Compliance Instrument shall mean an "electricity product" as defined in Section 6 of the Procurement Plan..

In order to facilitate planning and acquisition activities, the GM will develop, and the Board will periodically adopt, hedge guidelines applicable to PWRPA's acquisition of Compliance Instruments. These hedge guidelines will prescribe percentage hedge positions relative to the remaining quarters in a compliance period that will guide PWRPA's RPS acquisition activities. To the extent practical, PWRPA will endeavor to create opportunities pursuant to rate agreements by which Project Participants may be directly assigned costs and rights to specific renewable energy resources sufficient to reliably meet PWRPA's RPS compliance obligations. In the event such opportunities do not materialize, or rate agreements are not executed by Project Participants, the GM shall procure in a cost effective manner sufficient RPS Compliance Instruments and allocate the costs of such compliance activities pursuant to this RPS Rule.

- 3) Allocation of RPS Costs:** For purposes of this RPS Rule, each Project Participant shall be assigned responsibility for a share of PWRPA's RPS compliance obligation costs, by applying the compliance obligation metric applicable to PWRPA to each Project Participant the sum of the individual Project Participant's obligation costs shall equal PWRPA's obligation costs in total. As described in Section 2, Project Participants are expected to be given the opportunity to voluntarily underwrite, subscribe or otherwise execute a rate agreement(s) governing a share of a specific renewable energy project or instrument that satisfies all or a portion of the Individual Participant's RPS compliance obligation. To the extent that the projected sum of all Compliance Instruments from such rate agreements for any Project Participant exceeds that Project Participant's assigned share of PWRPA RPS compliance obligations for any compliance period, the Project Participant may elect to bank those excess Compliance Instruments in a manner consistent with Section 10 of the Procurement Plan. Absent this election, the excess Compliance Instruments shall pro-rata reduce all other Project Participants' assigned responsibility for that period.

For purposes of this RPS Rule, PWRPA's RPS compliance obligation was calculated using a 7-year rolling average of retail sales multiplied by the applicable RPS percentages for each year.

**4) RPS Funding -RPS Rate and the P3-RPS Compliance Account:**

- a. Periodically, but not less than quarterly, the GM shall evaluate PWRPA's RPS position and net short positions relative to the applicable RPS compliance period requirements for PWRPA in total and for each Project Participant, as allocated pursuant to this RPS Rule. The evaluation shall identify three categories: (a) Subscribed Positions (i.e., expected deliveries from agreements under which PWRPA and Project Participants have contracted to procure Compliance Instruments); (b) Allocated Positions (i.e., the RPS obligations of PWRPA and Project Participants allocated as per Section 3); and (c) Net Short Positions (i.e., the difference between (b) and (a)). At least one evaluation shall be coincident with PWRPA's annual budget and rate cycle, which typically occurs at the start of a calendar year.
- b. The GM shall develop, and the Board shall adopt, rates for each Project Participant sufficient to cover the costs of meeting the "Net Short" RPS positions as determined in in Section 4.a., above, plus a reasonable margin for contingencies ("RPS Rates"). (Rates for Subscribed Positions will be as set forth in the applicable rate agreements associated with each subscribed position.) The RPS Rates shall consist of (i) a fixed charge (that may equal zero); and (ii) a per kilowatt-hour charge to be applied to each Project Participant's energy load.
- c. Thereafter, the revenues collected from the RPS Rates shall be deposited in a sub account of the PWRPA Public Purpose Program ("P3") account known as the P3-RPS Compliance Account ("P3- RCA") by Project Participant. The funds deposited in the P3-RCA shall be tracked by Project Participant and reported monthly to the Board.
- d. The costs of any RPS Compliance Instrument not otherwise procured as the result of a rate agreement and directly assigned to a Participant shall be paid out of the P3-RCA. Expenditures from the P3-RCA shall be tracked by Project Participant, and shall

reflect each Project Participant's allocated cost responsibility for such Compliance Instruments.

- e. For the purposes of this section and within any compliance period, the GM may transfer the amount of banked "excess Compliance Instruments" from one or more Participant's Subscribed Positions that have been declared surplus by said Participants ("Surplus Compliance Position") to other Participant's with Net Short Positions, pursuant to notice and transfer rules adopted by the Board. The Board shall establish the transfer price for Surplus Compliance Positions, at least annually, to be equal to the market value of equivalent Compliance Instruments that the GM would otherwise procure the GM to meet the RPS obligations reflected in the Net Short Positions. In the event such a transfer is implemented, those Participants transferring a Surplus Compliance Position shall receive a credit of the applicable transfer price in their P3-RCA from the corresponding transferees whose P3-RCA account is debited. The term "market value of equivalent Compliance Instruments" refers to a transfer of electricity products of the same Portfolio Content Category for a specific compliance period, and are separate and distinct from the term "pool transfer price for energy" which shall continue to apply to hourly pool transfers.
  - f. If a Project Participant(s) enters into a rate agreement relating to a new Compliance Instrument (i.e., a Compliance Instrument not already included in the Project Participant(s)' Subscribed Positions) during any compliance period, then at the request of a Project Participant, all or a portion of the costs of that newly subscribed Compliance Instrument shall be paid out of the P3-RCA in proportion to the Participant(s)'s allocated cost responsibility for such Compliance Instrument, up to the total amount in the P3-RCA attributed to that Participant(s). The GM shall soon thereafter undertake a new evaluation of RPS positions and, if necessary, adjust the RPS Rates as required going forward.
- 5) Additional Charges:** Each Project Participant shall indemnify and hold PWRPA harmless for all damages and costs incurred due to any penalty, fine or other sanction imposed on PWRPA for not meeting its RPS compliance obligation ("Economic Sanctions") as a result of that Project Participant's failure to satisfy its allocated share of PWRPA's RPS compliance obligations. To the extent allowed by law, Economic Sanctions attributed to a non-compliant Project Participant shall be paid out of remaining funds in its respective P3-RCA. Any remaining balance shall be added to the Project Participant's next monthly billing statement of which the full amount shall be subject to Article 9 of the Aggregation Services Agreement.

Version History			
Version 1			
Version 2			
Version 3			
Version 4			
Version 5			
Version 6			
Version 7			
Version 8			
Version 9			
Version 10	6/07/23	R23-06-05	Added Exhibit E, Section VI Cost Allocation Algorithms, Subsection I Load Costs

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**APPENDIX D**

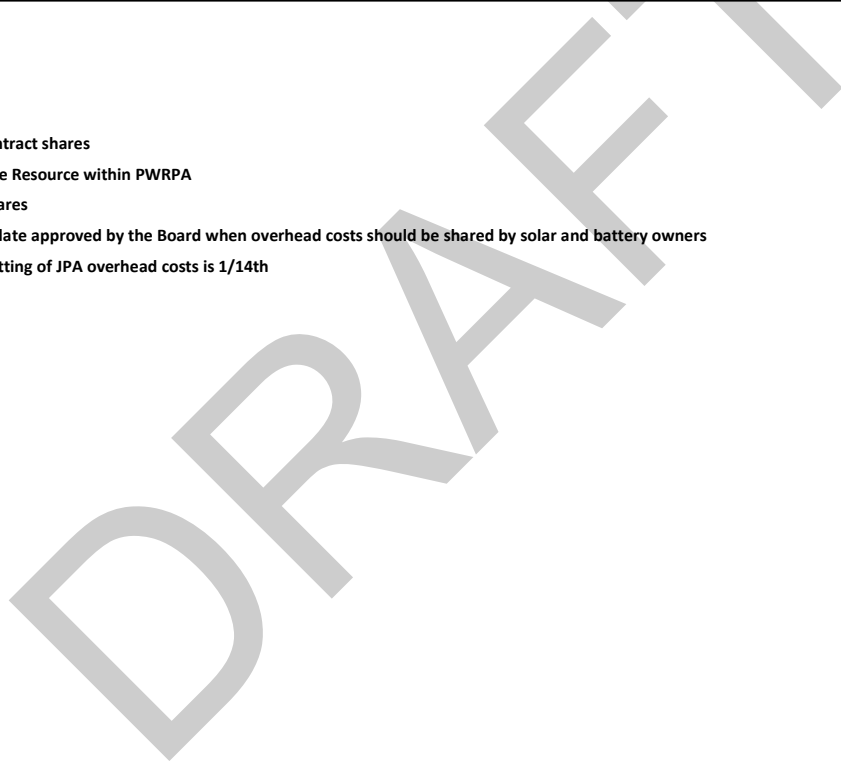
**SUMMARY OF ALLOCATION SHARES**

**ALLOCATION SHARES SUMMARY**

Name	Voting Share	BR - CVP	BR - PWRPA	Lodi Energy Center	Warm Springs	Astoria	Whitney Point	Slate Solar (PV)	Slate Solar (BESS)	Slate Solar (Hybrid)	Per Capita
Arvin-Edison	17.5789	2.1101	28.9887	23.6589	-	38.3467	31.8180	34.6154	10.0000	27.7778	0.0714
Banta Carbona	5.9547	0.2603	3.5753	8.8976	-	-	-	7.6923	20.0000	11.1111	0.0714
Byron-Bethany	3.9087	0.1407	1.9326	4.1935	-	-	-	1.1538	1.5000	1.2500	0.0714
Cawelo	5.1132	0.1250	1.7170	7.4884	-	5.9898	-	15.9615	19.0000	16.8056	0.0714
Glenn-Colusa	4.7943	0.2351	3.2303	5.0210	-	3.1691	2.7270	2.8846	-	2.0833	0.0714
James	4.0452	0.0498	0.6840	3.9702	-	0.8058	0.9090	0.9615	-	0.6944	0.0714
Lower Tule	4.6790	0.0643	0.8832	-	-	-	-	-	-	-	0.0714
Princeton	3.8997	0.0528	0.7247	4.1919	-	1.1275	0.9090	0.9615	-	0.6944	0.0714
RD 108	4.0486	0.0421	0.5789	2.2272	-	-	2.2730	1.1538	2.5000	1.5278	0.0714
Santa Clara	6.3042	0.1063	1.4599	6.3995	-	4.0087	6.8180	5.7692	5.0000	5.5556	0.0714
Sonoma	8.1127	0.1943	2.6698	-	100.0000	10.4747	25.4550	3.8462	-	2.7778	0.0714
West Stan	5.7715	0.3658	5.0247	5.0044	-	-	-	7.6923	10.0000	8.3333	0.0714
Westlands	21.3299	3.5169	48.3147	28.9474	-	34.5755	27.2730	15.3846	32.0000	20.0000	0.0714
Zone7	4.4594	0.0157	0.2161	-	-	1.5021	1.8180	1.9231	-	1.3889	0.0714
<b>TOTAL</b>	<b>100.000</b>	<b>7.279</b>	<b>100.000</b>	<b>100.000</b>	<b>100.000</b>	<b>100.000</b>	<b>100.000</b>	<b>100.000</b>	<b>100.000</b>	<b>100.000</b>	<b>1.000</b>
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>						<b>F</b>	<b>G</b>

**Index:**

- A** Participants
- B** Voting Share
- C** Base Resource contract shares
- D** Percentage of Base Resource within PWRPA
- E** Special Project Shares
- F** Hybrid share for Slate approved by the Board when overhead costs should be shared by solar and battery owners
- G** Per Capita for splitting of JPA overhead costs is 1/14th





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**APPENDIX E**

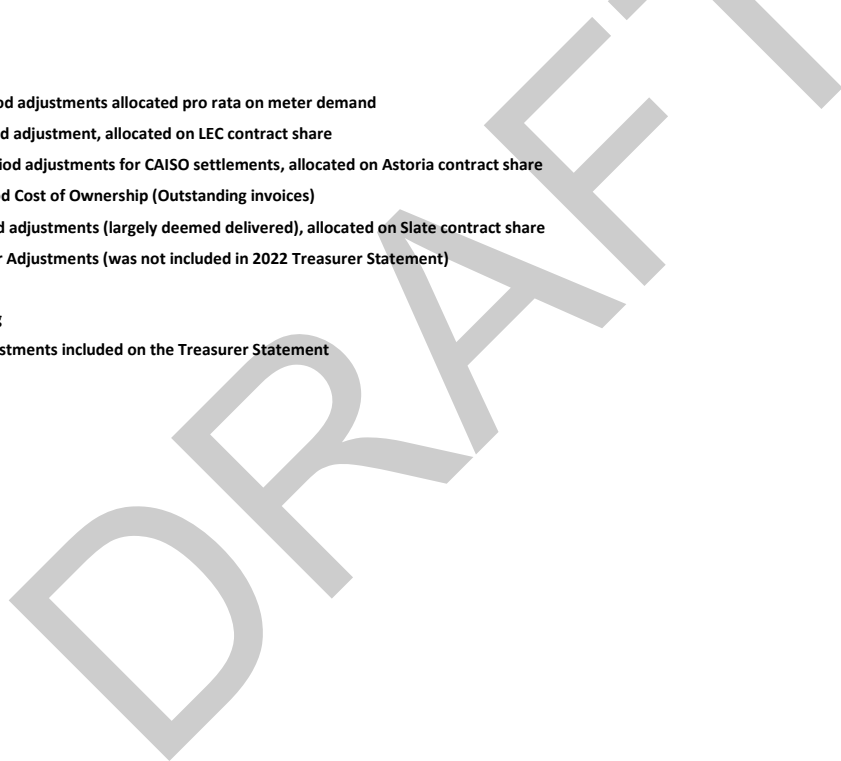
**DETAIL OF ADJUSTMENTS INCLUDED IN TREASURER FINAL  
2023 STATEMENT**

**PARTICIPANT ADJUSTMENTS**

Name	CAISO Prior Period	NCPA - LEC Prior Period	APX - Astoria Prior Period	PG&E Cost of Ownership	Slate Prior Period	2022 Closed Year	Meters	Direct Consulting	Total
Arvin-Edison	\$ (41,707.69)	\$ (5,150.31)	\$ 9.80	\$ 14,580.00	\$ 35,793.61	\$ 25,249.00	\$ 5,488.00	\$ -	\$ 34,262.42
Banta Carbona	\$ (7,051.84)	\$ (1,936.92)	\$ -	\$ -	\$ 19,865.25	\$ 2,578.78		\$ -	\$ 13,455.27
Byron-Bethany	\$ (929.68)	\$ (912.88)	\$ -	\$ -	\$ 1,974.79	\$ 809.44		\$ -	\$ 941.67
Cawelo	\$ (3,482.85)	\$ (1,630.15)	\$ 1.53	\$ 1,011.06	\$ 26,145.39	\$ 3,481.59		\$ -	\$ 25,526.56
Glenn-Colusa	\$ (1,556.86)	\$ (1,093.02)	\$ 0.81	\$ 360.00	\$ 2,424.47	\$ 1,704.18		\$ -	\$ 1,839.58
James	\$ (1,704.65)	\$ (864.27)	\$ 0.21	\$ -	\$ 808.16	\$ 834.91		\$ -	\$ (925.65)
Lower Tule	\$ (2,506.67)	\$ -	\$ -	\$ 900.00	\$ -	\$ 1,191.51		\$ -	\$ (415.17)
Princeton	\$ (209.93)	\$ (912.53)	\$ 0.29	\$ -	\$ 808.16	\$ 778.85		\$ -	\$ 464.83
RD 108	\$ (737.78)	\$ (484.84)	\$ -	\$ -	\$ 2,644.79	\$ 525.37		\$ 20.96	\$ 1,968.49
Santa Clara	\$ (7,518.60)	\$ (1,393.11)	\$ 1.02	\$ -	\$ 8,198.93	\$ 2,132.97		\$ 4,436.39	\$ 5,857.61
Sonoma	\$ (12,300.19)	\$ -	\$ 2.68	\$ 2,340.00	\$ 3,232.62	\$ 3,889.08		\$ 74.73	\$ (2,761.09)
West Stan	\$ (6,970.58)	\$ (1,089.41)	\$ -	\$ -	\$ 13,165.25	\$ 1,979.76		\$ -	\$ 7,085.02
Westlands	\$ (74,573.20)	\$ (6,301.56)	\$ 8.84	\$ 138,291.29	\$ 34,370.49	\$ 81,637.04	\$ 50,176.00	\$ 1,006.50	\$ 224,615.40
Zone7	\$ (2,940.29)	\$ -	\$ 0.38	\$ -	\$ 1,616.31	\$ 445.16		\$ 236.13	\$ (642.31)
<b>TOTAL</b>	\$ (164,190.81)	\$ (21,769.00)	\$ 25.56	\$ 157,482.35	\$ 151,048.20	\$ 127,237.63	\$ 55,664.00	\$ 5,774.71	\$ 311,272.63
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>

**Index:**

- A** Participants
- B** CAISO Prior Period adjustments allocated pro rata on meter demand
- C** NCPA prior period adjustment, allocated on LEC contract share
- D** Astoria prior period adjustments for CAISO settlements, allocated on Astoria contract share
- E** PG&E prior period Cost of Ownership (Outstanding invoices)
- F** Slate prior period adjustments (largely deemed delivered), allocated on Slate contract share
- G** 2022 Closed Year Adjustments (was not included in 2022 Treasurer Statement)
- H** Meter Inventory
- J** Direct Consulting
- I** Net total of Adjustments included on the Treasurer Statement



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**APPENDIX F**

**SUPPLEMENTAL POWER - OTHER CHARGES DETAIL**

**Supplemental Category costs include the cost of Renewable Requirements,  
Resource Adequacy (RA) Capacity contracts, and Carbon allowance transfers.**

**1. Summary of Annual Resource Adequacy Net Short and Procurement for Local and System needs**

**2. Renewable Energy Credits transferred and procured in 2023**

**3. Carbon Transfer is a cost-transference between participants to meet the 100% carbon-free requirements of certain Participants. Transfer cost is approved by the Board, \$6/MWh for 2023.**

Participant	Local RA			System RA			Total Cost
	Net Short, MW	Share of Net Short	Cost	Net Short, MW	Share of Net Short	Cost	
Arvin-Edison	93.00	39.6%	\$ 14,591	76.82	33.8%	\$ -	\$ 14,591
Banta-Carbona	-	0.0%	\$ -	-	0.0%	\$ -	\$ -
Byron Bethany	-	0.0%	\$ -	-	0.0%	\$ -	\$ -
Cawelo	-	0.0%	\$ -	0.50	0.2%	\$ -	\$ -
Glenn-Colusa	12.00	5.1%	\$ 1,883	7.01	3.1%	\$ -	\$ 1,883
James	-	0.0%	\$ -	0.83	0.4%	\$ -	\$ -
Lower Tule	14.00	6.0%	\$ 2,196	26.62	11.7%	\$ -	\$ 2,196
Princeton	-	0.0%	\$ -	1.39	0.6%	\$ -	\$ -
RD108	-	0.0%	\$ -	0.53	0.2%	\$ -	\$ -
Santa Clara	9.00	3.8%	\$ 1,412	26.99	11.9%	\$ -	\$ 1,412
Sonoma	40.00	17.0%	\$ 6,276	65.46	28.8%	\$ -	\$ 6,276
West Stan	6.00	2.6%	\$ 941	-	0.0%	\$ -	\$ 941
Westlands	51.00	21.7%	\$ 8,001	-	0.0%	\$ -	\$ 8,001
Zone 7	10.00	4.3%	\$ 1,569	21.10	9.3%	\$ -	\$ 1,569
<b>Totals</b>	<b>235.00</b>	<b>100.0%</b>	<b>\$ 36,869</b>	<b>227.24</b>	<b>100.0%</b>	<b>\$ -</b>	<b>\$ 36,869</b>

Participant	Net Short		Excess		\$ 36.50		\$ 6.35		District Projects	Total Cost
	PCC1	PCC3	PCC1	PCC3	PCC1 SCWA	PCC3: ACT (3rd Party)				
Arvin-Edison	-	6,980	(11,783)	-	-	\$ -	4,016	\$ 25,503	\$ 360	\$ 25,863
Banta-Carbona	6,402	2,420	-	-	2,682	\$ 97,897	1,392	\$ 8,842		\$ 106,739
Byron Bethany	390	368	-	-	163	\$ 5,964	212	\$ 1,345		\$ 7,309
Cawelo	-	-	(3,170)	(3,527)	-	\$ -	-	\$ -		\$ -
Glenn-Colusa	2,514	1,655	-	-	1,053	\$ 38,448	952	\$ 6,047		\$ 44,495
James	-	411	(79)	-	-	\$ -	236	\$ 1,502		\$ 1,502
Lower Tule	-	-	-	-	-	\$ -	-	\$ -		\$ -
Princeton	432	510	-	-	181	\$ 6,611	293	\$ 1,863		\$ 8,474
RD108	-	-	(569)	(1,094)	-	\$ -	-	\$ -	\$ 6,465	\$ 6,465
Santa Clara	4,012	2,317	-	-	1,681	\$ 61,346	1,333	\$ 8,465	\$ 91,296	\$ 161,107
Sonoma	-	5,029	(28,344)	-	-	\$ (365,000)	2,894	\$ 18,376		\$ (346,624)
West Stan	3,179	2,239	-	-	1,332	\$ 48,619	1,289	\$ 8,182		\$ 56,801
Westlands	6,378	13,697	-	-	2,672	\$ 97,522	7,882	\$ 50,049		\$ 147,570
Zone 7	562	-	-	(1,658)	235	\$ 8,594	-	\$ -	\$ 6,010	\$ 14,604
<b>Totals</b>	<b>23,870</b>	<b>35,627</b>	<b>(43,946)</b>	<b>(6,279)</b>	<b>10,000</b>	<b>\$ 0</b>	<b>20,500</b>	<b>\$ 130,175</b>	<b>\$ 20,500</b>	<b>\$ 234,306</b>

Participant	Carbon Free Need (MWh)	GVP Carbon-Free Hydro (MWh)	Seller Credit (\$)	Buyer Cost (\$)
Arvin	-	7,530	\$ (45,178)	\$ -
Banta Carbona	-	858	\$ (5,146)	\$ -
BB/Westside	-	285	\$ (1,712)	\$ -
Cawelo	-	1,129	\$ (6,776)	\$ -
Glenn-Colusa	-	798	\$ (4,788)	\$ -
James	-	53	\$ (316)	\$ -
Lower Tule	-	546	\$ (3,274)	\$ -
Princeton	-	285	\$ (1,711)	\$ -
RD 108	-	146	\$ (874)	\$ -
Santa Clara	5,654	-	\$ -	\$ 33,922
Sonoma	8,118	-	\$ -	\$ 48,707
West Stan	-	891	\$ (5,346)	\$ -
Westlands	-	2,642	\$ (15,852)	\$ -
Zone 7	1,390	-	\$ -	\$ 8,342
<b>Totals</b>	<b>15,162</b>	<b>15,162</b>	<b>\$ (90,972)</b>	<b>\$ 90,972</b>

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**APPENDIX G**

RESOURCE SUMMARY

### 2023 Annual Resource Summary, kWh

Participant	Warm Springs & WWD BOR	Base Resource	Astoria	Whitney Point	Slate PV+BESS	Lodi Energy Center	Supplemental	CAISO Imbalance	Total Load
Arvin-Edison	-	67,643,534	10,435,864	8,748,481	19,957,265	6,752,331	-	7,359,181	120,896,655
Banta-Carbona	-	7,722,066	-	-	4,874,251	2,539,405	-	(1,092,449)	14,043,272
Cawelo	-	2,617,104	-	-	694,071	1,196,839	-	(1,673,781)	2,834,234
Glenn-Colusa	-	9,973,366	1,630,179	-	9,558,077	2,137,215	-	(4,408,868)	18,889,969
James	-	7,178,581	862,443	749,799	1,642,513	1,433,010	-	(287,729)	11,578,618
Lower Tule	-	504,078	219,353	249,933	547,504	1,133,109	-	(1,769,893)	884,083
Princeton	-	4,822,964	-	-	-	-	-	4,987,005	9,809,970
RD108	-	2,537,480	306,985	249,933	547,504	1,196,383	-	(391,353)	4,446,932
Santa Clara	-	1,310,075	-	624,970	718,782	635,650	-	(928,964)	2,360,513
Sonoma	-	8,497,332	1,091,049	1,874,635	3,408,580	1,826,439	-	4,595,307	21,293,343
West Stan	-	13,635,406	2,850,771	6,998,950	2,190,017	-	-	8,117,879	33,793,023
Westlands	-	8,108,558	-	-	4,627,143	1,428,273	-	(3,244,924)	10,919,050
BB/Westside	5,125,000	21,093,458	9,409,586	7,498,816	9,550,815	8,261,686	-	(27,602,045)	33,337,317
Zone 7	-	1,831,997	408,769	499,866	1,095,009	-	-	1,390,334	5,225,975
PWRPA	5,125,000	157,476,000	27,215,000	27,495,383	59,411,533	28,540,340	-	(14,950,302)	290,312,954

Participant	Warm Springs & WWD BOR	Base Resource	Astoria	Whitney Point	Slate PV+BESS	Lodi Energy Center	Supplemental	CAISO Imbalance	Total Load
Arvin-Edison	0.0%	56.0%	8.6%	7.2%	16.5%	5.6%	0.0%	6.1%	100.0%
Banta-Carbona	0.0%	55.0%	0.0%	0.0%	34.7%	18.1%	0.0%	-7.8%	100.0%
Cawelo	0.0%	92.3%	0.0%	0.0%	24.5%	42.2%	0.0%	-59.1%	100.0%
Glenn-Colusa	0.0%	52.8%	8.6%	0.0%	50.6%	11.3%	0.0%	-23.3%	100.0%
James	0.0%	62.0%	7.4%	6.5%	14.2%	12.4%	0.0%	-2.5%	100.0%
Lower Tule	0.0%	57.0%	24.8%	28.3%	61.9%	128.2%	0.0%	-200.2%	100.0%
Princeton	0.0%	49.2%	0.0%	0.0%	0.0%	0.0%	0.0%	50.8%	100.0%
RD108	0.0%	57.1%	6.9%	5.6%	12.3%	26.9%	0.0%	-8.8%	100.0%
Santa Clara	0.0%	55.5%	0.0%	26.5%	30.5%	26.9%	0.0%	-39.4%	100.0%
Sonoma	0.0%	39.9%	5.1%	8.8%	16.0%	8.6%	0.0%	21.6%	100.0%
West Stan	0.0%	40.3%	8.4%	20.7%	6.5%	0.0%	0.0%	24.0%	100.0%
Westlands	0.0%	74.3%	0.0%	0.0%	42.4%	13.1%	0.0%	-29.7%	100.0%
BB/Westside	15.4%	63.3%	28.2%	22.5%	28.6%	24.8%	0.0%	-82.8%	100.0%
Zone 7	0.0%	35.1%	7.8%	9.6%	21.0%	0.0%	0.0%	26.6%	100.0%
PWRPA	1.8%	54.2%	9.4%	9.5%	20.5%	9.8%	0.0%	-5.1%	100.0%

### 2023 Annual Resource Detail, kWh

Participant	Warm Springs & WWD BOR	Base Resource		Lodi Energy Center	Astoria	Whitney Point	Slate PV+BESS	Net Resources
		Allocation	Pool					
Arvin-Edison	-	45,650,315	21,993,219	67,643,534	10,435,864	8,748,481	19,957,265	113,537,474
Banta-Carbona	-	5,630,193	2,091,873	7,722,066	-	-	4,874,251	15,135,722
Cawelo	-	3,043,441	(426,336)	2,617,104	-	-	694,071	4,508,015
Glenn-Colusa	-	2,703,790	7,269,576	9,973,366	1,630,179	-	9,558,077	23,298,837
James	-	5,086,968	2,091,613	7,178,581	1,433,010	862,443	1,642,513	11,866,347
Lower Tule	-	1,077,146	(573,069)	504,078	1,133,109	219,353	547,504	2,653,977
Princeton	-	1,390,836	3,432,128	4,822,964	-	-	-	4,822,964
RD108	-	1,141,182	1,396,298	2,537,480	1,196,383	306,985	547,504	4,838,285
Santa Clara	-	911,648	398,427	1,310,075	635,650	624,970	718,782	3,289,477
Sonoma	-	2,299,022	6,198,310	8,497,332	1,826,439	1,091,049	3,408,580	16,698,036
West Stan	-	4,204,310	9,431,096	13,635,406	-	2,850,771	6,998,950	25,675,144
Westlands	-	7,912,773	195,785	8,108,558	1,428,273	-	4,627,143	14,163,974
BB/Westside	5,125,000	76,084,075	(54,990,617)	21,093,458	8,261,686	9,409,586	9,550,815	60,939,362
Zone 7	-	340,299	1,491,698	1,831,997	-	408,769	1,095,009	3,835,641
PWRPA	5,125,000	157,476,000	0	157,476,000	28,540,340	27,215,000	59,411,533	305,263,256

Participant	Fixed Forward Contract	Day Ahead Contract	Net Resource	DLF Load / Total Resources	CAISO Imbalance
Arvin-Edison	-	-	113,537,474	120,896,655	7,359,181
Banta-Carbona	-	-	15,135,722	14,043,272	(1,092,449)
Cawelo	-	-	4,508,015	2,834,234	(1,673,781)
Glenn-Colusa	-	-	23,298,837	18,889,969	(4,408,868)
James	-	-	11,866,347	11,578,618	(287,729)
Lower Tule	-	-	2,653,977	884,083	(1,769,893)
Princeton	-	-	4,822,964	9,809,970	4,987,005
RD108	-	-	4,838,285	4,446,932	(391,353)
Santa Clara	-	-	3,289,477	2,360,513	(928,964)
Sonoma	-	-	16,698,036	21,293,343	4,595,307
West Stan	-	-	25,675,144	33,793,023	8,117,879
Westlands	-	-	14,163,974	10,919,050	(3,244,924)
BB/Westside	-	-	60,939,362	33,337,317	(27,602,045)
Zone 7	-	-	3,835,641	5,225,975	1,390,334
PWRPA	-	-	305,263,256	290,312,954	(14,950,302)

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**APPENDIX H**

**RESOURCE ENERGY & COST VALUATION**







Lodi Energy Center						Attributes: \$ - \$ 15.00						Contract Administration (\$)				Net	
Month	Budgeted Generation (MWh)	Max Possible Generation (MWh)	Actual Generation (MWh)	Capacity Factor	Resource Adequacy Capacity (MW)	ISO Energy Revenue (\$)	RPS Avoided Cost (\$/MWh)	RA Avoided Cost (\$/kw-mo)	Ancillary Service Value (\$)	Carbon Cost (\$)	Total Value (\$)	Contract Cost (\$)	Overhead Cost (\$)	Other Cost (\$)	Total Costs	Net Cost / (Revenue) (\$)	Net Valuation (\$ / MWh)
January	4,920	5,952	4,434	74%	8.1	\$ (689,571)	\$ -	\$ (120,900)	\$ (27)	\$ -	\$ (810,498)	\$ 682,269	\$ 2,301	\$ 66,344	\$ 750,914	\$ (59,585)	\$ (13.44)
February	3,016	5,568	3,250	58%	8.1	\$ (297,478)	\$ -	\$ (120,900)	\$ (3)	\$ -	\$ (418,381)	\$ 307,909	\$ 1,612	\$ 66,344	\$ 375,865	\$ (42,517)	\$ (13.08)
March	2,972	5,944	3,742	63%	-	\$ (346,734)	\$ -	\$ -	\$ (3,627)	\$ -	\$ (350,361)	\$ 356,305	\$ 1,440	\$ 66,344	\$ 424,088	\$ 73,728	\$ 19.70
April	-	5,760	1	0%	-	\$ (77)	\$ -	\$ -	\$ -	\$ -	\$ (77)	\$ 49,883	\$ 1,937	\$ 66,344	\$ 118,164	\$ 118,087	\$ 104,502.07
May	2,976	5,952	60	1%	-	\$ (7,908)	\$ -	\$ -	\$ (9)	\$ -	\$ (7,917)	\$ 58,735	\$ 1,699	\$ 66,344	\$ 126,777	\$ 118,860	\$ 1,980.34
June	2,880	5,760	262	5%	-	\$ (13,953)	\$ -	\$ -	\$ -	\$ -	\$ (13,953)	\$ 83,183	\$ 1,924	\$ 66,344	\$ 151,451	\$ 137,498	\$ 525.78
July	5,480	5,952	2,949	50%	8.1	\$ (207,690)	\$ -	\$ (120,900)	\$ (334)	\$ -	\$ (328,923)	\$ 216,697	\$ 3,247	\$ 66,347	\$ 286,292	\$ (42,632)	\$ (14.46)
August	5,592	5,952	3,974	67%	8.1	\$ (305,999)	\$ -	\$ (120,900)	\$ (1,389)	\$ -	\$ (428,288)	\$ 259,711	\$ 1,552	\$ 66,347	\$ 327,610	\$ (100,678)	\$ (25.33)
September	5,278	5,760	853	15%	8.1	\$ (52,610)	\$ -	\$ (120,900)	\$ (50)	\$ -	\$ (173,560)	\$ 104,131	\$ 1,461	\$ 66,347	\$ 171,939	\$ (1,621)	\$ (1.90)
October	4,578	5,952	3,322	56%	8.1	\$ (256,621)	\$ -	\$ (120,900)	\$ (6,152)	\$ -	\$ (383,673)	\$ 249,088	\$ 1,951	\$ 66,347	\$ 317,386	\$ (66,286)	\$ (19.95)
November	4,273	5,768	1,796	31%	8.1	\$ (214,880)	\$ -	\$ (120,900)	\$ (4,335)	\$ -	\$ (340,116)	\$ 206,259	\$ 2,722	\$ 66,347	\$ 275,328	\$ (64,788)	\$ (36.07)
December	4,922	5,952	3,898	65%	8.1	\$ (233,207)	\$ -	\$ (120,900)	\$ (4,169)	\$ -	\$ (358,276)	\$ 217,269	\$ 2,006	\$ 66,347	\$ 285,622	\$ (72,654)	\$ (18.64)
<b>Annual</b>	<b>46,889</b>	<b>70,272</b>	<b>28,540</b>	<b>40%</b>	<b>64.5</b>	<b>\$ (2,626,728)</b>	<b>\$ -</b>	<b>\$ (967,200)</b>	<b>\$ (20,095)</b>	<b>\$ -</b>	<b>\$ (3,614,023)</b>	<b>\$ 2,791,441</b>	<b>\$ 23,851</b>	<b>\$ 796,145</b>	<b>\$ 3,611,436</b>	<b>\$ (2,587)</b>	<b>\$ (0.09)</b>
<b>Rate/Value (\$/MWh):</b>						<b>\$ (92.04)</b>	<b>\$ -</b>	<b>\$ (33.89)</b>	<b>\$ (0.70)</b>	<b>\$ -</b>	<b>\$ (126.63)</b>	<b>\$ 97.81</b>	<b>\$ 0.84</b>	<b>\$ 27.90</b>	<b>\$ 126.54</b>		

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**APPENDIX I**

**DISPLACEMENT DETAIL**

The Central Valley Project Displacement Program ran April through October 2023.

Table 1 shows the energy revenue from the CAISO for both the volume imported and displaced.

Displacement saved PWRPA \$203,351 in avoided charges in 2023, detailed in Table 2.

PWRPA received \$233,832 in settlements credits from displacement in 2023, detailed in Table 3.

The Savings are a shadow calculation of the charges from CAISO avoided by participating in Displacement. In actuality, these Savings only materialize in the DCC participants market settlements.

The Settlement is the savings-sharing mechanism by which those savings are split between the DCC and NDCC groups, resulting in a payout to the NDCC group (which includes PWRPA).

**Base Resource Import and Displacement Credits**

**Table 1. 2023 Monthly Base Resource Credits**

Month	Imported BR (MWh)	Displaced BR (MWh)	Displaced BR (%)	Import Credit @ CaptJack	Displacement Credit @ TH NP15	Net Revenue
Jan	1,858	-	0%	\$ 306,919	\$ -	\$ 306,918.70
Feb	613	-	0%	\$ 70,222	\$ -	\$ 70,221.83
Mar	1,051	-	0%	\$ 99,171	\$ -	\$ 99,171.45
Apr	10,507	4,806	31%	\$ 701,760	\$ 236,305	\$ 938,065.48
May	25,681	3,181	11%	\$ 503,623	\$ 40,326	\$ 543,949.90
Jun	21,407	2,700	11%	\$ 725,782	\$ 78,491	\$ 804,272.92
Jul	20,892	4,165	17%	\$ 1,370,607	\$ 252,165	\$ 1,622,772.16
Aug	19,166	4,658	20%	\$ 1,615,188	\$ 334,129	\$ 1,949,317.22
Sep	11,987	2,135	15%	\$ 584,962	\$ 90,068	\$ 675,030.33
Oct	9,670	4,602	32%	\$ 710,941	\$ 318,818	\$ 1,029,759.18
Nov	5,544	-	0%	\$ 414,111	\$ -	\$ 414,110.91
Dec	2,853	-	0%	\$ 178,344	\$ -	\$ 178,343.69
<b>Annual</b>	<b>131,229</b>	<b>26,247</b>	<b>17%</b>	<b>\$ 7,281,630</b>	<b>\$ 1,350,303</b>	<b>\$ 8,631,933.78</b>

**Table 2. 2023 Monthly Displacement Savings**

Month	Shared Energy Savings	Fixed Avoided Cost Savings	Variable Avoided Charges	IST Charges	Admin Charges	Net Savings
January	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
February	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
March	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
April	\$ 1,868	\$ 35,816	\$ 7,316	\$ (1,026)	\$ (1,922)	\$ 42,051
May	\$ (639)	\$ 23,678	\$ 1,107	\$ (1,224)	\$ (1,272)	\$ 21,649
June	\$ (189)	\$ 20,096	\$ 1,727	\$ (972)	\$ (1,080)	\$ 19,582
July	\$ (2,208)	\$ 30,999	\$ 3,928	\$ (867)	\$ (1,666)	\$ 30,185
August	\$ 3,186	\$ 34,668	\$ 1,892	\$ (968)	\$ (1,863)	\$ 36,915
September	\$ 268	\$ 15,890	\$ 457	\$ (904)	\$ (854)	\$ 14,858
October	\$ 2,155	\$ 34,252	\$ 4,775	\$ (1,229)	\$ (1,841)	\$ 38,112
November	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
December	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Annual</b>	<b>\$ 4,439</b>	<b>\$ 195,399</b>	<b>\$ 21,201</b>	<b>\$ (7,189)</b>	<b>\$ (10,499)</b>	<b>\$ 203,351</b>

**Table 3. 2023 Monthly Displacement Settlements**

Month	Settlement According to Statements	Adjustments	Net Settlement Credits
January	\$ -	\$ -	\$ -
February	\$ -	\$ -	\$ -
March	\$ -	\$ -	\$ -
April	\$ (53,312)	\$ -	\$ (53,312)
May	\$ (21,510)	\$ -	\$ (21,510)
June	\$ (21,039)	\$ -	\$ (21,039)
July	\$ (35,780)	\$ -	\$ (35,780)
August	\$ (44,094)	\$ -	\$ (44,094)
September	\$ (15,747)	\$ -	\$ (15,747)
October	\$ (42,350)	\$ -	\$ (42,350)
November	\$ -	\$ -	\$ -
December	\$ -	\$ -	\$ -
<b>Annual</b>	<b>\$ (233,832)</b>	<b>\$ -</b>	<b>\$ (233,832)</b>

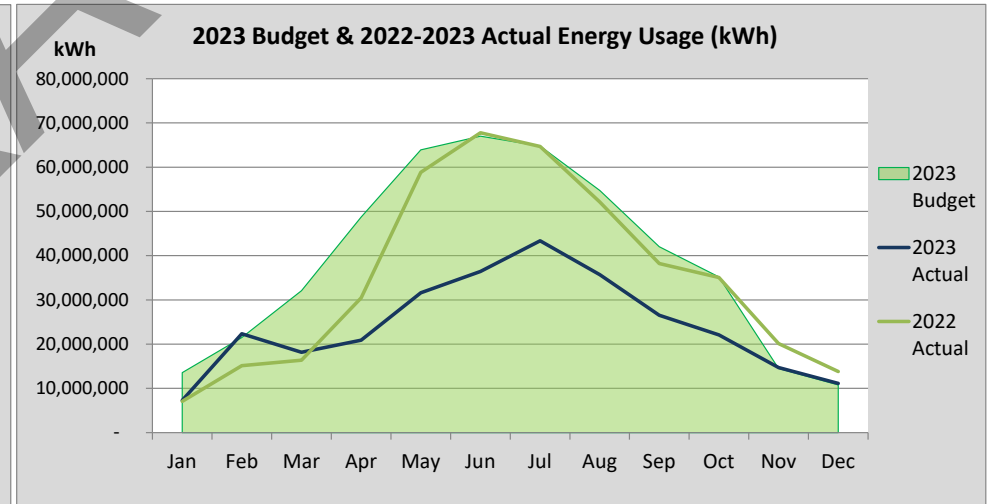
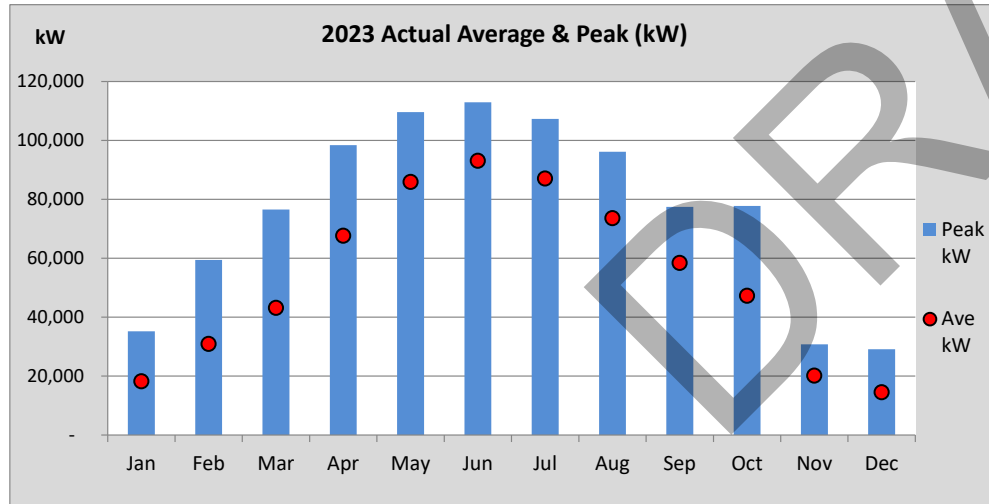
# Power and Water Resources Pooling Authority

## Energy Summary, Metered kWh

## PWRPA

## 2023 Reconciliation Summary

	2023 Budget			2023 Actual			2022 Actual			Year-Over-Year Comparison, 2023 v 2022		
	Peak kW	Ave kW	Load kWh	Peak kW	Ave kW	Load kWh	Peak kW	Ave kW	Load kWh	Peak kW	Ave kW	Load kWh
Jan	35,199	18,227	13,561,085	33,512	9,804	7,294,180	18,707	9,505	7,071,540	79%	3%	3%
Feb	59,464	30,898	21,504,872	79,642	32,114	22,351,223	41,761	21,732	15,125,502	91%	48%	48%
Mar	76,559	43,154	32,063,402	61,263	24,426	18,148,277	39,949	22,005	16,371,729	53%	11%	11%
Apr	98,405	67,653	48,710,026	72,472	29,045	20,912,073	82,180	42,289	30,448,125	-12%	-31%	-31%
May	109,633	85,882	63,896,154	81,119	42,492	31,614,145	101,769	79,091	58,843,436	-20%	-46%	-46%
Jun	112,976	93,075	67,014,134	87,665	50,629	36,452,938	108,152	94,137	67,778,542	-19%	-46%	-46%
Jul	107,283	87,047	64,763,321	89,423	58,283	43,362,656	100,081	86,947	64,688,215	-11%	-33%	-33%
Aug	96,125	73,573	54,738,638	85,930	47,983	35,699,120	84,826	70,090	52,146,869	1%	-32%	-32%
Sep	77,417	58,390	42,041,091	71,936	36,859	26,538,766	71,176	53,113	38,241,281	1%	-31%	-31%
Oct	77,760	47,280	35,176,211	66,717	29,712	22,105,819	61,723	47,161	35,087,941	8%	-37%	-37%
Nov	30,810	20,138	14,519,253	64,187	20,417	14,720,961	46,709	27,958	20,129,733	37%	-27%	-27%
Dec	29,095	14,516	10,799,918	40,203	14,937	11,112,797	27,729	18,562	13,809,847	45%	-20%	-20%
<b>2023</b>			<b>468,788,103</b>			<b>290,312,954</b>			<b>419,742,760</b>			<b>-31%</b>



# Power and Water Resources Pooling Authority

## Annual Cost Summary

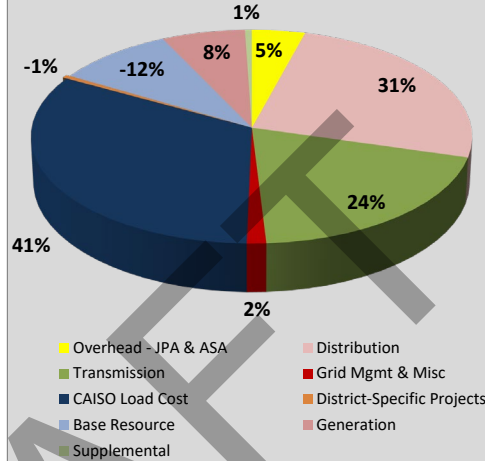
	2023 Budget	2023 Actual	Compare	Cents/kWh
Total Metered kWh	468,788,103	290,312,954	-38%	
Overhead - JPA & ASA	\$ 2,230,415	\$ 2,088,462	-6%	0.72
Distribution	\$ 24,193,539	\$ 12,482,234	-48%	4.30
Transmission	\$ 16,725,092	\$ 9,722,182	-42%	3.35
Grid Mgmt & Misc	\$ 2,109,546	\$ 644,984	-69%	0.22
CAISO Load Cost	\$ 38,014,147	\$ 16,187,163	-57%	5.58
District-Specific Projects	\$ (390,232)	\$ (230,025)	-41%	(0.08)
Base Resource	\$ (5,468,864)	\$ (4,635,976)	-15%	(1.60)
Generation	\$ 1,005,090	\$ 3,276,872	226%	1.13
Supplemental	\$ 3,720,452	\$ 271,175	-93%	0.09
Total Costs	\$ 82,139,185	\$ 39,807,071	-52%	13.71

3% Loss Adjustment

	2023 Budget	2023 Actual	Compare
Total Metered kWh	468,788,103	290,312,954	-38%
Overhead	0.48	0.72	51%
Delivery	9.18	7.87	-14%
Energy	7.87	5.12	-35%
Total Costs	17.52	13.71	-22%

\*\*Please note Table 1 & 2 do not include any P3 or direct consulting revenue/expenses.

### Actual District Cost Components



### Overhead, Delivery, & Energy Rates Cents per Metered kWh

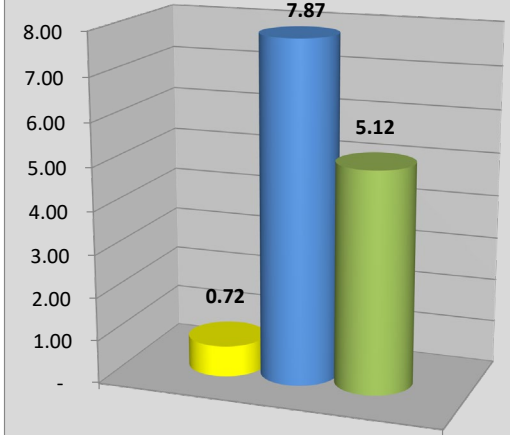


Table 2. Cents per kWh

Overhead Delivery Energy

## 2023 Annual Resource Portfolio

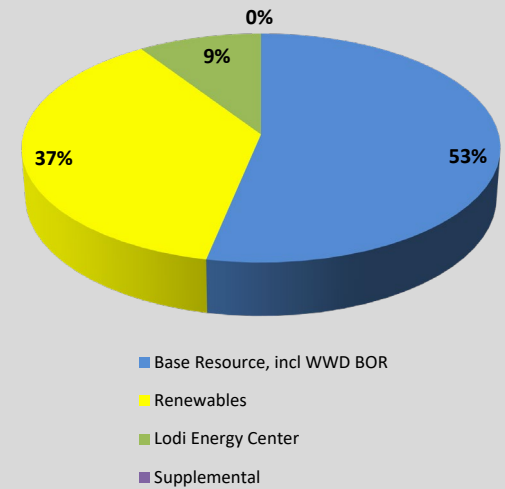
	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load	299,091,470	\$ 16,187,163	5.41	-	-	\$ 16,187,163	5.41
District Specific - Warm Springs	-	\$ -	-	\$ -	-	\$ -	-
District Specific - BOR Payback	5,125,000	\$ -	-	\$ (256,522)	(5.01)	\$ (256,522)	(5.01)
Base Resource	157,476,000	\$ 3,917,884	2.49	\$ (8,631,934)	(5.48)	\$ (4,714,050)	(2.99)
Base Resource Pooling	0	\$ 0	-	\$ (0)	-	\$ 0	-
Generation - LEC	28,540,340	\$ 2,791,441	9.78	\$ (2,646,823)	(9.27)	\$ 144,618	0.51
Generation - Astoria	27,215,000	\$ 1,743,868	6.41	\$ (805,448)	(2.96)	\$ 938,420	3.45
Generation - Whitney	27,495,383	\$ 1,615,355	5.88	\$ (781,017)	(2.84)	\$ 834,338	3.03
Generation - Slate PV & BESS	59,411,533	\$ 2,421,788	4.08	\$ (2,333,327)	(3.93)	\$ 88,460	0.15
Supplemental - Fixed	-	\$ -	-	\$ -	-	\$ -	-
CAISO Real-time Imbalance	(6,171,786)	\$ -	-	\$ -	-	\$ -	-
<b>Total Loss Adjusted kWh</b>	<b>299,091,470</b>	<b>\$ 28,677,497</b>	<b>9.59</b>	<b>\$ (15,455,070)</b>	<b>(5.17)</b>	<b>\$ 13,222,427</b>	<b>4.42</b>

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load (DLF adj)	299,091,470	\$ 16,187,163	5.41	-	-	\$ 16,187,163	5.41
Base Resource, incl WWD BOR	162,601,000	\$ 4,009,283	2.47	\$ (8,888,456)	(5.47)	\$ (4,879,172)	(3.00)
Renewables	114,121,916	\$ 5,969,345	5.23	\$ (3,919,791)	(3.43)	\$ 2,049,553	1.80
Lodi Energy Center	28,540,340	\$ 3,611,436	12.65	\$ (2,646,823)	(9.27)	\$ 964,613	3.38
Supplemental	-	\$ -	-	\$ -	-	\$ -	-
RA, RECs & Carbon	-	\$ 271,175	-	\$ -	-	\$ 271,175	-
Resource Subtotal	305,263,256	\$ 13,861,239	4.54	\$ (15,455,070)	(5.06)	\$ (1,593,831)	(0.52)
<b>Net Portfolio</b>	<b>299,091,470</b>	<b>\$ 30,048,402</b>	<b>10.05</b>	<b>\$ (15,455,070)</b>	<b>(5.17)</b>	<b>\$ 14,593,332</b>	<b>4.88</b>

Percent of Load Covered

102%

### Energy Resources - kWh



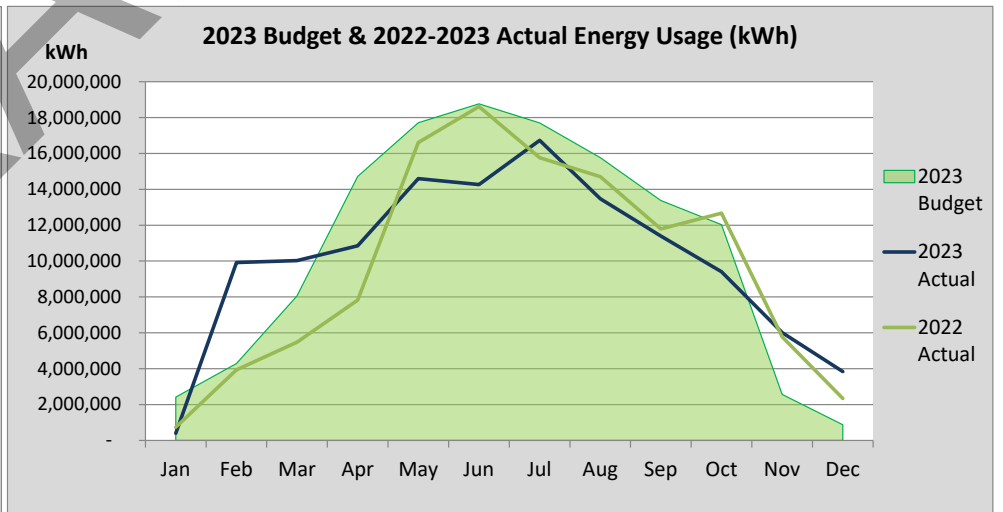
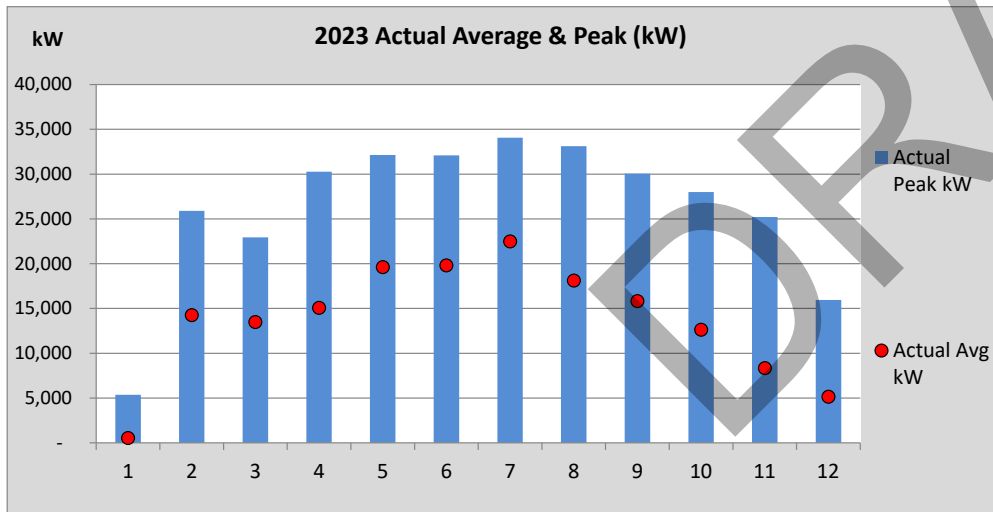
# Arvin-Edison Water Storage District

## Energy Summary, Metered kWh

## Arvin-Edison

## 2023 Reconciliation Summary

	2023 Budget			2023 Actual			2022 Actual			Year-Over-Year Comparison, 2022 v 2021		
	Budget Peak kW	Budget Avg kW	Budget Load kWh	Actual Peak kW	Actual Avg kW	Actual Load kWh	Peak kW	Average kW	Load kWh	Peak kW	Average kW	Load kWh
Jan	9,390	3,239	2,409,772	5,370	535	398,369	3,978	992	737,894	35%	-46%	-46%
Feb	20,572	6,154	4,283,154	25,891	14,255	9,921,632	19,342	5,651	3,932,982	34%	152%	152%
Mar	23,967	10,837	8,051,638	22,933	13,488	10,021,390	18,226	7,359	5,474,874	26%	83%	83%
Apr	32,647	20,432	14,711,394	30,268	15,073	10,852,349	27,943	10,856	7,816,262	8%	39%	39%
May	33,608	23,804	17,710,122	32,128	19,617	14,594,784	31,299	22,327	16,611,270	3%	-12%	-12%
Jun	33,322	26,064	18,766,381	32,086	19,813	14,265,125	31,308	25,851	18,612,962	2%	-23%	-23%
Jul	30,553	23,791	17,700,789	34,058	22,486	16,729,393	26,148	21,186	15,762,427	30%	6%	6%
Aug	28,377	21,183	15,760,389	33,125	18,110	13,474,094	25,882	19,764	14,704,708	28%	-8%	-8%
Sep	25,279	18,580	13,377,541	30,066	15,823	11,392,349	21,898	16,380	11,793,810	37%	-3%	-3%
Oct	30,188	16,162	12,024,856	27,988	12,637	9,402,092	23,973	17,026	12,667,583	17%	-26%	-26%
Nov	9,099	3,562	2,567,931	25,207	8,334	6,009,063	20,728	8,020	5,774,518	22%	4%	4%
Dec	7,109	1,174	873,545	15,944	5,156	3,836,016	8,037	3,145	2,339,889	98%	64%	64%
<b>2023</b>			<b>128,237,511</b>			<b>120,896,655</b>			<b>116,229,180</b>			<b>4%</b>



# Arvin-Edison Water Storage District

## Annual Cost Summary

	2023 Budget	2023 Actual	Compare	Cents/kWh
Total Metered kWh	128,237,511	120,896,655	-6%	
Overhead - JPA & ASA	\$ 349,874	\$ 351,431	0%	0.29
Distribution	\$ 5,889,033	\$ 3,284,623	-44%	2.72
Transmission	\$ 4,764,764	\$ 4,317,215	-9%	3.57
Grid Mgmt & Misc	\$ 577,069	\$ 272,508	-53%	0.23
CAISO Load Cost	\$ 10,649,215	\$ 6,482,740	-39%	5.36
District-Specific Projects	\$ -	\$ -	0%	-
Base Resource	\$ (1,585,355)	\$ (1,637,373)	3%	(1.35)
Generation	\$ 275,379	\$ 964,784	250%	0.80
Supplemental	\$ 506,101	\$ (4,724)	-101%	(0.00)
<b>Total Costs</b>	<b>\$ 21,426,080</b>	<b>\$ 14,031,203</b>	<b>-35%</b>	<b>11.61</b>

3% Loss Adjustment

	2023 Budget	2023 Actual	Compare
Total Metered kWh	128,237,511	120,896,655	-6%
Overhead	0.27	0.29	7%
Delivery	8.76	6.51	-26%
Energy	7.68	4.80	-37%
<b>Total Costs</b>	<b>16.71</b>	<b>11.61</b>	<b>-31%</b>

\*\*Please note Table 1 & 2 do not include any P3 or direct consulting revenue/expenses.

## 2023 Annual Resource Portfolio

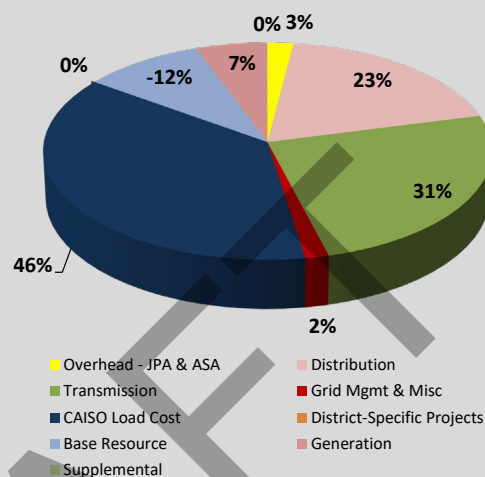
	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load	124,003,278	\$ 6,482,740	5.23	-	-	\$ 6,482,740	5.23
District Specific - Warm Springs	-	-	-	-	-	\$ -	-
District Specific - BOR Payback	-	-	-	-	-	\$ -	-
Base Resource	45,650,315	\$ 1,099,831	2.41	\$ (2,502,289)	(5.48)	\$ (1,402,458)	(3.07)
Base Resource Pooling	21,993,219	\$ 872,936	3.97	\$ (1,130,483)	(5.14)	\$ (257,547)	(1.17)
Generation - LEC	6,752,331	\$ 660,424	9.78	\$ (626,209)	(9.27)	\$ 34,215	0.51
Generation - Astoria	10,435,864	\$ 668,704	6.41	\$ (308,857)	(2.96)	\$ 359,847	3.45
Generation - Whitney	8,748,481	\$ 513,974	5.88	\$ (248,504)	(2.84)	\$ 265,470	3.03
Generation - Slate PV & BESS	19,957,265	\$ 648,823	3.25	\$ (676,562)	(3.39)	\$ (27,740)	(0.14)
Supplemental - Fixed	-	\$ -	-	\$ -	-	\$ -	-
Supplemental - Variable	-	\$ -	-	\$ -	-	\$ -	-
CAISO Real-time Imbalance	10,465,803	-	-	-	-	-	-
<b>Total Loss Adjusted kWh</b>	<b>124,003,278</b>	<b>\$ 10,947,431</b>	<b>8.83</b>	<b>\$ (5,492,905)</b>	<b>(4.43)</b>	<b>\$ 5,454,526</b>	<b>4.40</b>

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load (DLF adj)	124,003,278	\$ 6,482,740	5.23	-	-	\$ 6,482,740	5.23
Base Resource	67,643,534	\$ 1,995,400	2.95	\$ (3,632,772)	(5.37)	\$ (1,637,373)	(2.42)
Renewables	39,141,610	\$ 1,889,161	4.83	\$ (1,233,923)	(3.15)	\$ 655,238	1.67
Lodi Energy Center	6,752,331	\$ 854,426	12.65	\$ (626,209)	(9.27)	\$ 228,217	3.38
Supplemental	-	\$ -	-	\$ -	-	\$ -	-
RA, RECs & Carbon	-	\$ (4,724)	-	-	-	\$ (4,724)	-
<b>Resource Subtotal</b>	<b>113,537,474</b>	<b>\$ 4,734,263</b>	<b>4.17</b>	<b>\$ (5,492,905)</b>	<b>(4.84)</b>	<b>\$ (758,642)</b>	<b>(0.67)</b>
<b>Net Portfolio</b>	<b>124,003,278</b>	<b>\$ 11,217,003</b>	<b>9.05</b>	<b>\$ (5,492,905)</b>	<b>(4.43)</b>	<b>\$ 5,724,098</b>	<b>4.62</b>

Percent of Load Covered

92%

## Actual District Cost Components



## Overhead, Delivery, & Energy Rates Cents per Metered kWh

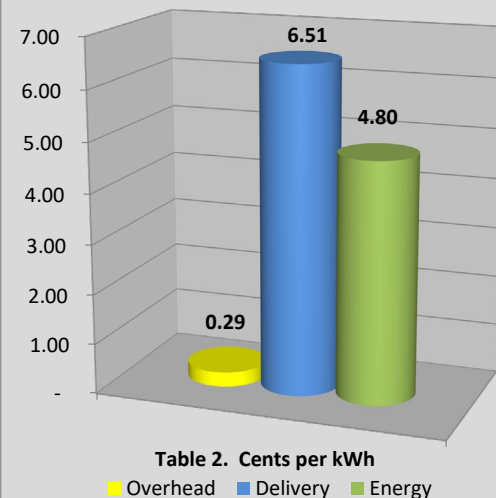
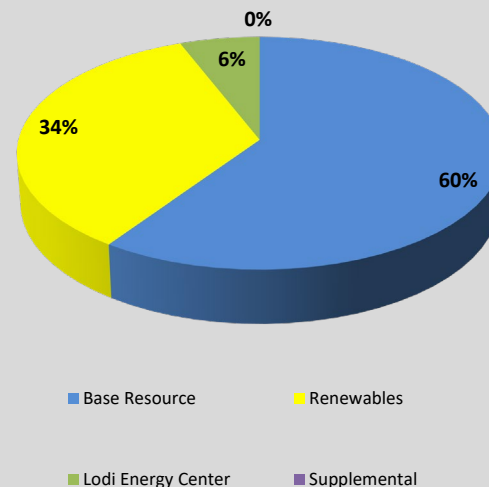


Table 2. Cents per kWh

Overhead Delivery Energy

## Energy Resources - kWh





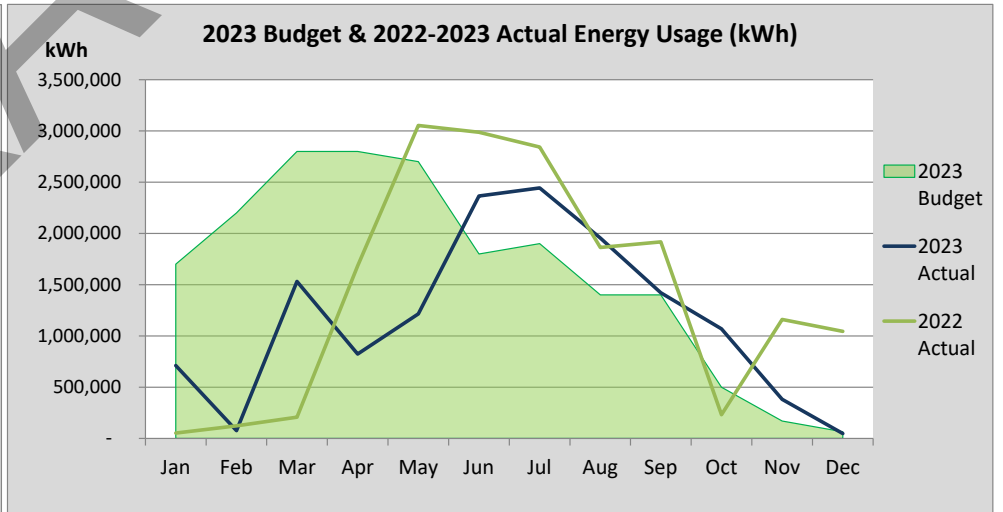
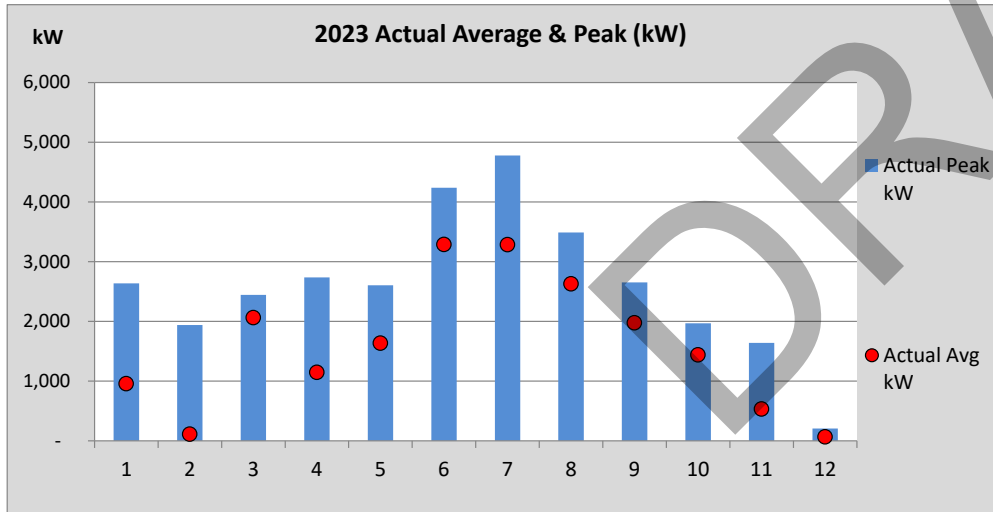
# Banta-Carbona Irrigation District

## Energy Summary, Metered kWh

## Banta-Carbona

## 2023 Reconciliation Summary

	2023 Budget			2023 Actual			2022 Actual			Year-Over-Year Comparison, 2022 v 2021		
	Budget Peak kW	Budget Avg kW	Budget Load kWh	Actual Peak kW	Actual Avg kW	Actual Load kWh	Peak kW	Average kW	Load kWh	Peak kW	Average kW	Load kWh
Jan	3,361	2,285	1,700,000	2,636	955	710,726	159	70	52,318	1554%	1258%	1258%
Feb	4,229	3,161	2,200,000	1,940	109	75,603	719	176	122,644	170%	-38%	-38%
Mar	5,948	3,769	2,800,000	2,445	2,062	1,531,763	663	278	207,009	269%	641%	640%
Apr	5,406	3,889	2,800,000	2,737	1,145	824,162	4,259	2,337	1,682,720	-36%	-51%	-51%
May	4,942	3,629	2,700,000	2,606	1,634	1,215,980	4,784	4,104	3,053,503	-46%	-60%	-60%
Jun	3,431	2,500	1,800,000	4,238	3,285	2,365,359	4,752	4,148	2,986,465	-11%	-21%	-21%
Jul	3,758	2,554	1,900,000	4,779	3,285	2,444,048	4,605	3,822	2,843,759	4%	-14%	-14%
Aug	3,184	1,882	1,400,000	3,490	2,628	1,955,402	3,668	2,503	1,862,346	-5%	5%	5%
Sep	3,898	1,944	1,400,000	2,653	1,975	1,421,943	3,923	2,663	1,917,043	-32%	-26%	-26%
Oct	1,329	672	500,000	1,968	1,436	1,068,728	660	312	232,025	198%	361%	361%
Nov	1,001	236	170,000	1,639	530	381,795	4,158	1,613	1,161,188	-61%	-67%	-67%
Dec	556	87	65,000	208	64	47,763	4,120	1,405	1,045,258	-95%	-95%	-95%
<b>2023</b>			<b>19,435,000</b>			<b>14,043,272</b>			<b>17,166,278</b>			<b>-18%</b>



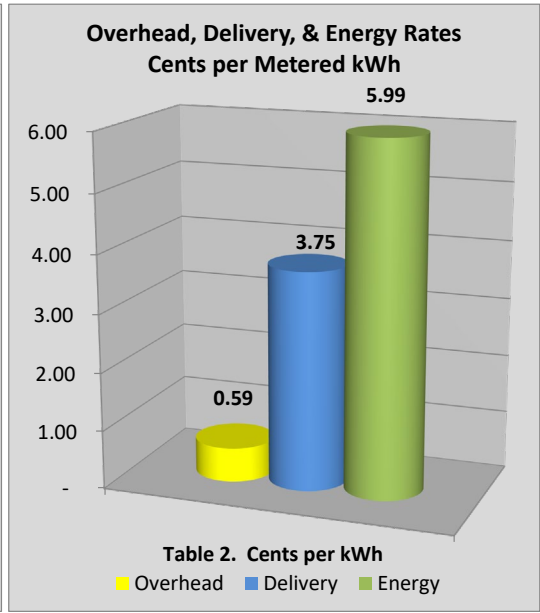
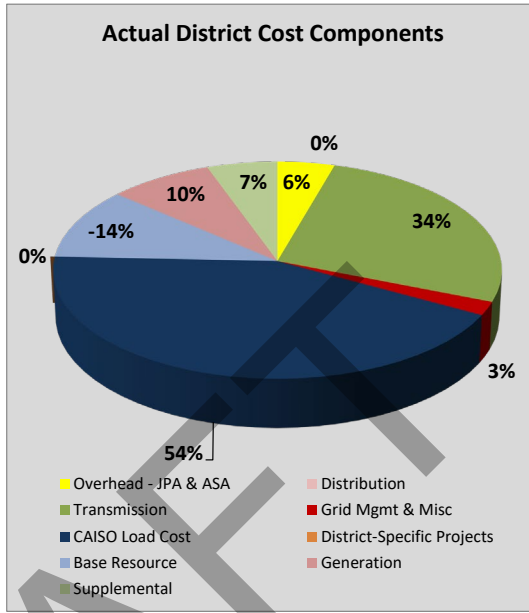
# Banta-Carbona Irrigation District

## Annual Cost Summary

	2023 Budget	2023 Actual	Compare	Cents/kWh
Total Metered kWh	19,435,000	14,043,272	-28%	
Overhead - JPA & ASA	\$ 91,203	\$ 82,392	-10%	0.59
Distribution	\$ -	\$ -	0%	-
Transmission	\$ 696,354	\$ 489,369	-30%	3.48
Grid Mgmt & Misc	\$ 87,458	\$ 36,883	-58%	0.26
CAISO Load Cost	\$ 1,426,166	\$ 787,029	-45%	5.60
District-Specific Projects	\$ -	\$ -	0%	-
Base Resource	\$ (195,527)	\$ (197,279)	1%	(1.40)
Generation	\$ (3,268)	\$ 150,117	-4694%	1.07
Supplemental	\$ 405,840	\$ 101,594	-75%	0.72
<b>Total Costs</b>	<b>\$ 2,508,226</b>	<b>\$ 1,450,105</b>	<b>-42%</b>	<b>10.33</b>

	2023 Budget	2023 Actual	Compare	
Total Metered kWh	19,435,000	14,043,272	-28%	
Overhead	0.47	0.59	25%	
Delivery	4.03	3.75	-7%	
Energy	8.40	5.99	-29%	
<b>Total Costs</b>	<b>12.91</b>	<b>10.33</b>	<b>-20%</b>	

\*\*Please note Table 1 & 2 do not include any P3 or direct consulting revenue/expenses.

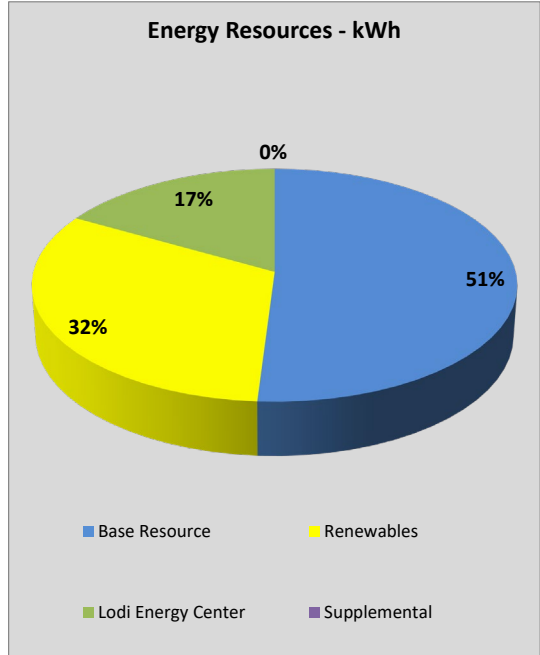


## 2023 Annual Resource Portfolio

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load	14,043,272	\$ 787,029	5.60	-	-	\$ 787,029	5.60
District Specific - Warm Springs	-	-	-	-	-	-	-
District Specific - BOR Payback	-	-	-	-	-	-	-
Base Resource	5,630,193	\$ 136,911	2.43	\$ (308,615)	(5.48)	\$ (171,704)	(3.05)
Base Resource Pooling	2,091,873	\$ 84,597	4.04	\$ (112,964)	(5.40)	\$ (28,367)	(1.36)
Generation - LEC	2,539,405	\$ 248,371	9.78	\$ (235,504)	(9.27)	\$ 12,868	0.51
Generation - Astoria	-	\$ -	-	\$ -	-	\$ -	-
Generation - Whitney	-	\$ -	-	\$ -	-	\$ -	-
Generation - Slate PV & BESS	4,874,251	\$ 281,036	5.77	\$ (245,051)	(5.03)	\$ 35,985	0.74
Supplemental - Fixed	-	\$ -	-	\$ -	-	\$ -	-
Supplemental - Variable	-	\$ -	-	\$ -	-	\$ -	-
CAISO Real-time Imbalance	(1,092,449)	-	-	-	-	-	-
<b>Total Loss Adjusted kWh</b>	<b>14,043,272</b>	<b>\$ 1,537,944</b>	<b>10.95</b>	<b>\$ (902,133)</b>	<b>(6.42)</b>	<b>\$ 635,811</b>	<b>4.53</b>

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load (DLF adj)	14,043,272	\$ 787,029	5.60	-	-	\$ 787,029	5.60
Base Resource	7,722,066	\$ 224,299	2.90	\$ (421,579)	(5.46)	\$ (197,279)	(2.55)
Renewables	4,874,251	\$ 281,036	5.77	\$ (245,051)	(5.03)	\$ 35,985	0.74
Lodi Energy Center	2,539,405	\$ 321,331	12.65	\$ (235,504)	(9.27)	\$ 85,827	3.38
Supplemental	-	\$ -	-	\$ -	-	\$ -	-
RA, RECs & Carbon	-	\$ 101,594	-	-	-	\$ 101,594	-
<b>Resource Subtotal</b>	<b>15,135,722</b>	<b>\$ 928,260</b>	<b>6.13</b>	<b>\$ (902,133)</b>	<b>(5.96)</b>	<b>\$ 26,127</b>	<b>0.17</b>
<b>Net Portfolio</b>	<b>14,043,272</b>	<b>\$ 1,715,289</b>	<b>12.21</b>	<b>\$ (902,133)</b>	<b>(6.42)</b>	<b>\$ 813,156</b>	<b>5.79</b>

Percent of Load Covered 108%



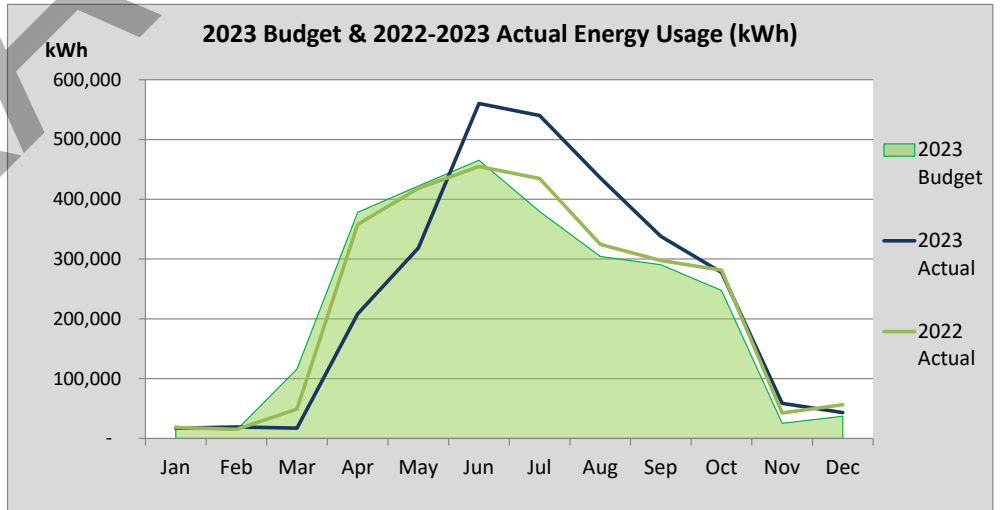
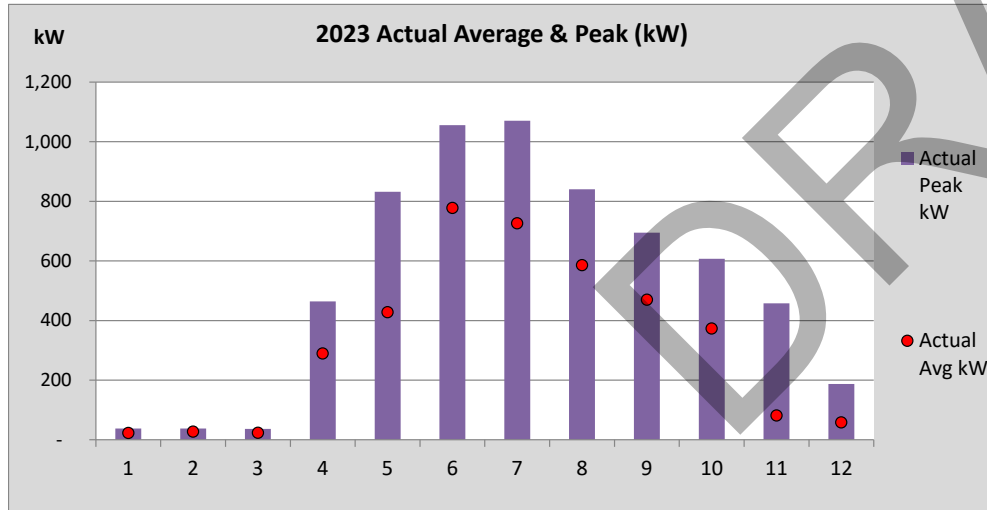
# Byron Bethany Irrigation District

## Energy Summary, Metered kWh

## Byron Bethany

## 2023 Reconciliation Summary

	2023 Budget			2023 Actual			2022 Actual			Year-Over-Year Comparison, 2022 v 2021		
	Budget Peak kW	Budget Avg kW	Budget Load kWh	Actual Peak kW	Actual Avg kW	Actual Load kWh	Peak kW	Average kW	Load kWh	Peak kW	Average kW	Load kWh
Jan	44	23	17,374	37	23	17,110	36	25	18,516	4%	-8%	-8%
Feb	38	20	13,950	38	28	19,181	35	22	15,125	8%	27%	27%
Mar	614	156	116,230	37	23	17,257	812	66	48,918	-96%	-65%	-65%
Apr	898	525	378,205	464	289	208,368	955	497	357,910	-51%	-42%	-42%
May	1,002	568	422,284	832	428	318,489	867	562	418,303	-4%	-24%	-24%
Jun	924	646	465,340	1,055	778	560,234	946	632	454,856	12%	23%	23%
Jul	890	510	379,615	1,070	726	540,176	1,028	584	434,598	4%	24%	24%
Aug	718	409	304,225	841	586	435,738	744	436	324,517	13%	34%	34%
Sep	662	404	290,635	695	470	338,162	672	413	297,588	3%	14%	14%
Oct	748	333	247,625	607	373	277,609	624	378	281,416	-3%	-1%	-1%
Nov	106	35	25,159	458	81	58,725	296	59	42,509	55%	38%	38%
Dec	82	50	37,117	187	58	43,186	310	76	56,401	-40%	-23%	-23%
<b>2023</b>			<b>2,697,758</b>			<b>2,834,234</b>			<b>2,750,658</b>			<b>3%</b>



# Byron Bethany Irrigation District

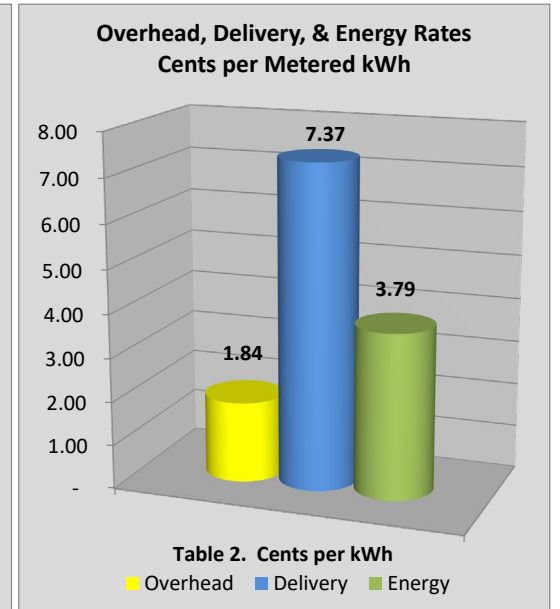
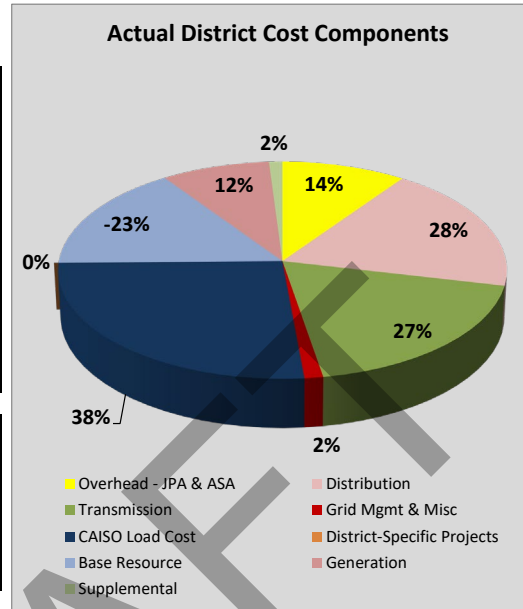
## Annual Cost Summary

	2023 Budget	2023 Actual	Compare	Cents/kWh
Total Metered kWh	2,697,758	2,834,234	5%	
Overhead - JPA & ASA	\$ 58,734	\$ 52,233	-11%	1.84
Distribution	\$ 98,824	\$ 101,689	3%	3.59
Transmission	\$ 98,530	\$ 100,590	2%	3.55
Grid Mgmt & Misc	\$ 12,140	\$ 6,675	-45%	0.24
CAISO Load Cost	\$ 227,923	\$ 140,783	-38%	4.97
District-Specific Projects	\$ -	\$ -	0%	-
Base Resource	\$ (105,693)	\$ (84,654)	-20%	(2.99)
Generation	\$ 27,072	\$ 45,675	69%	1.61
Supplemental	\$ 29,932	\$ 5,598	-81%	0.20
<b>Total Costs</b>	<b>\$ 447,462</b>	<b>\$ 368,588</b>	<b>-18%</b>	<b>13.00</b>

2% Loss Adjustment

	2023 Budget	2023 Actual	Compare
Total Metered kWh	2,697,758	2,834,234	5%
Overhead	2.18	1.84	-15%
Delivery	7.77	7.37	-5%
Energy	6.64	3.79	-43%
<b>Total Costs</b>	<b>16.59</b>	<b>13.00</b>	<b>-22%</b>

\*\*Please note Table 1 & 2 do not include any P3 or direct consulting revenue/expenses.

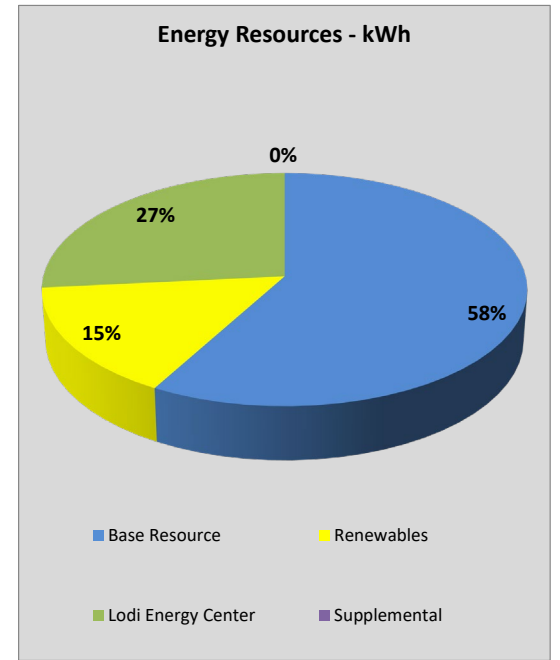


## 2023 Annual Resource Portfolio

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load	2,889,029	\$ 140,783	4.87	-	-	\$ 140,783	4.87
District Specific - Warm Springs	-	-	-	-	-	-	-
District Specific - BOR Payback	-	-	-	-	-	-	-
Base Resource	3,043,441	\$ 76,228	2.50	\$ (166,824)	(5.48)	\$ (90,596)	(2.98)
Base Resource Pooling	(426,336)	\$ (17,494)	4.10	\$ 21,927	(5.14)	\$ 4,433	(1.04)
Generation - LEC	1,196,839	\$ 117,059	9.78	\$ (110,995)	(9.27)	\$ 6,065	0.51
Generation - Astoria	-	\$ -	-	\$ -	-	\$ -	-
Generation - Whitney	-	\$ -	-	\$ -	-	\$ -	-
Generation - Slate PV & BESS	694,071	\$ 30,608	4.41	\$ (28,767)	(4.14)	\$ 1,841	0.27
Supplemental - Fixed	-	\$ -	-	\$ -	-	\$ -	-
Supplemental - Variable	-	\$ -	-	\$ -	-	\$ -	-
CAISO Real-time Imbalance	(1,618,986)	-	-	-	-	-	-
<b>Total Loss Adjusted kWh</b>	<b>2,889,029</b>	<b>\$ 347,185</b>	<b>12.02</b>	<b>\$ (284,659)</b>	<b>(9.85)</b>	<b>\$ 62,526</b>	<b>2.16</b>

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load (DLF adj)	2,889,029	\$ 140,783	4.87	-	-	\$ 140,783	4.87
Base Resource	2,617,104	\$ 60,243	2.30	\$ (144,897)	(5.54)	\$ (84,654)	(3.23)
Renewables	694,071	\$ 30,608	4.41	\$ (28,767)	(4.14)	\$ 1,841	0.27
Lodi Energy Center	1,196,839	\$ 151,446	12.65	\$ (110,995)	(9.27)	\$ 40,451	3.38
Supplemental	-	\$ -	-	\$ -	-	\$ -	-
RA, RECs & Carbon	-	\$ 5,598	-	-	-	\$ 5,598	-
<b>Resource Subtotal</b>	<b>4,508,015</b>	<b>\$ 247,895</b>	<b>5.50</b>	<b>\$ (284,659)</b>	<b>(6.31)</b>	<b>\$ (36,764)</b>	<b>(0.82)</b>
<b>Net Portfolio</b>	<b>2,889,029</b>	<b>\$ 388,677</b>	<b>13.45</b>	<b>\$ (284,659)</b>	<b>(9.85)</b>	<b>\$ 104,019</b>	<b>3.60</b>

Percent of Load Covered 156%



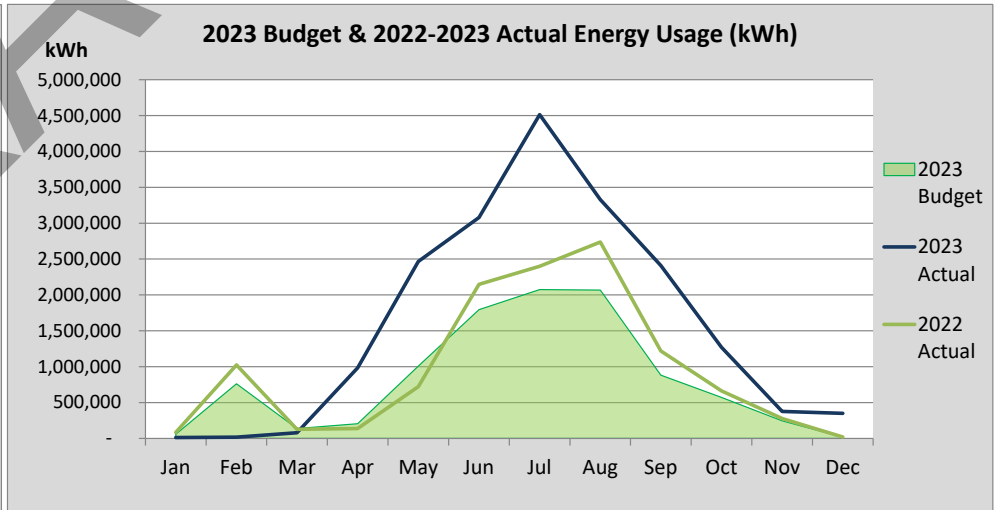
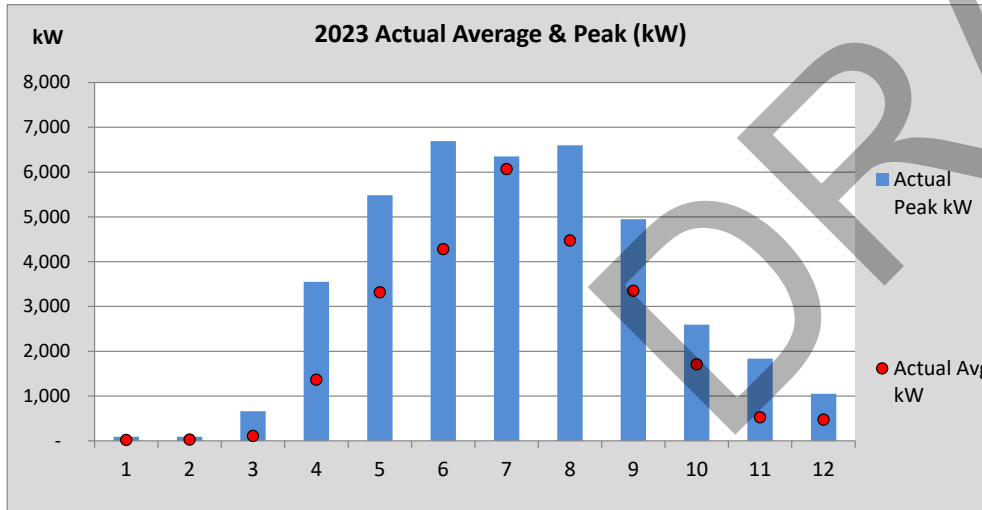
# Cawelo Water District

## Energy Summary, Metered kWh

## Cawelo

## 2023 Reconciliation Summary

	2023 Budget			2023 Actual			2022 Actual			Year-Over-Year Comparison, 2022 v 2021		
	Budget Peak kW	Budget Avg kW	Budget Load kWh	Actual Peak kW	Actual Avg kW	Actual Load kWh	Peak kW	Average kW	Load kWh	Peak kW	Average kW	Load kWh
Jan	796	78	58,277	89	17	12,499	1,656	113	84,417	-95%	-85%	-85%
Feb	3,568	1,095	762,307	90	27	18,552	3,833	1,472	1,024,424	-98%	-98%	-98%
Mar	1,697	187	138,908	661	106	78,853	629	172	128,246	5%	-38%	-39%
Apr	689	284	204,733	3,549	1,366	983,413	631	191	137,615	462%	615%	615%
May	2,376	1,354	1,007,232	5,482	3,316	2,466,841	2,447	971	722,292	124%	242%	242%
Jun	4,112	2,494	1,795,538	6,694	4,278	3,080,040	4,770	2,984	2,148,233	40%	43%	43%
Jul	5,747	2,789	2,074,695	6,350	6,066	4,513,306	4,711	3,224	2,398,390	35%	88%	88%
Aug	5,130	2,778	2,066,836	6,598	4,473	3,327,646	4,550	3,679	2,737,483	45%	22%	22%
Sep	3,399	1,226	882,700	4,947	3,348	2,410,358	4,522	1,694	1,219,510	9%	98%	98%
Oct	2,280	768	571,484	2,593	1,709	1,271,448	2,551	891	662,558	2%	92%	92%
Nov	800	342	246,394	1,835	522	376,482	1,584	386	278,026	16%	35%	35%
Dec	110	24	18,153	1,051	471	350,533	470	27	19,899	124%	1662%	1662%
<b>2023</b>			<b>9,827,257</b>			<b>18,889,969</b>			<b>11,561,093</b>			<b>63%</b>



# Cawelo Water District

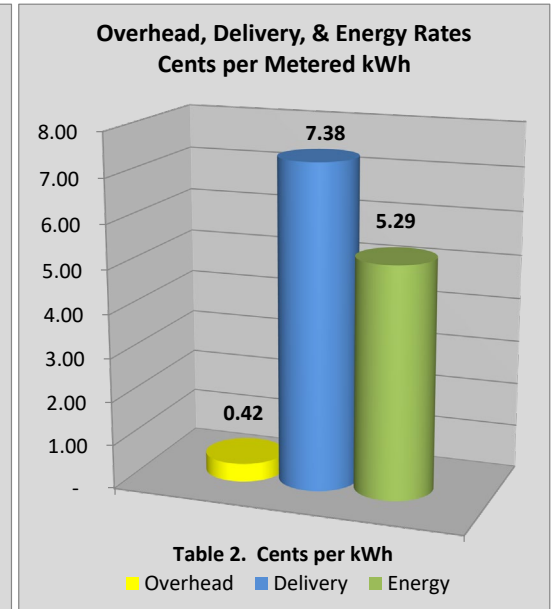
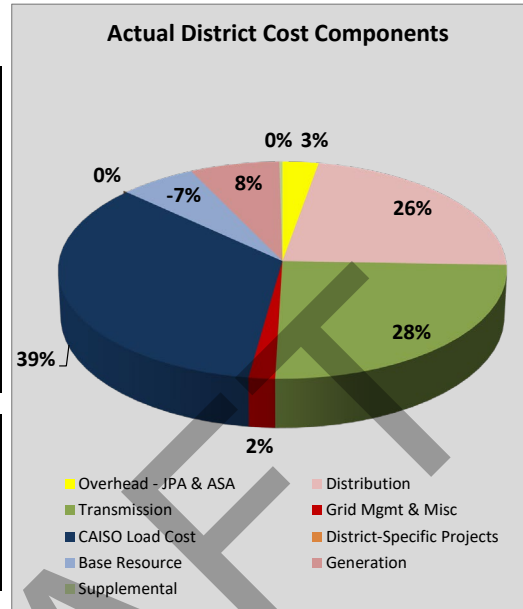
## Annual Cost Summary

	2023 Budget	2023 Actual	Compare	Cents/kWh
Total Metered kWh	9,827,257	18,889,969	92%	
Overhead - JPA & ASA	\$ 80,877	\$ 79,190	-2%	0.42
Distribution	\$ 436,143	\$ 641,919	47%	3.40
Transmission	\$ 359,925	\$ 702,417	95%	3.72
Grid Mgmt & Misc	\$ 44,223	\$ 49,306	11%	0.26
CAISO Load Cost	\$ 861,230	\$ 975,723	13%	5.17
District-Specific Projects	\$ -	\$ -	0%	-
Base Resource	\$ (93,898)	\$ (167,683)	79%	(0.89)
Generation	\$ (48,528)	\$ 197,321	-507%	1.04
Supplemental	\$ 304,020	\$ (6,776)	-102%	(0.04)
<b>Total Costs</b>	<b>\$ 1,943,992</b>	<b>\$ 2,471,417</b>	<b>27%</b>	<b>13.08</b>

7% Loss Adjustment

	2023 Budget	2023 Actual	Compare
Total Metered kWh	9,827,257	18,889,969	92%
Overhead	0.82	0.42	-49%
Delivery	8.55	7.38	-14%
Energy	10.41	5.29	-49%
<b>Total Costs</b>	<b>19.78</b>	<b>13.08</b>	<b>-34%</b>

\*\*Please note Table 1 & 2 do not include any P3 or direct consulting revenue/expenses.



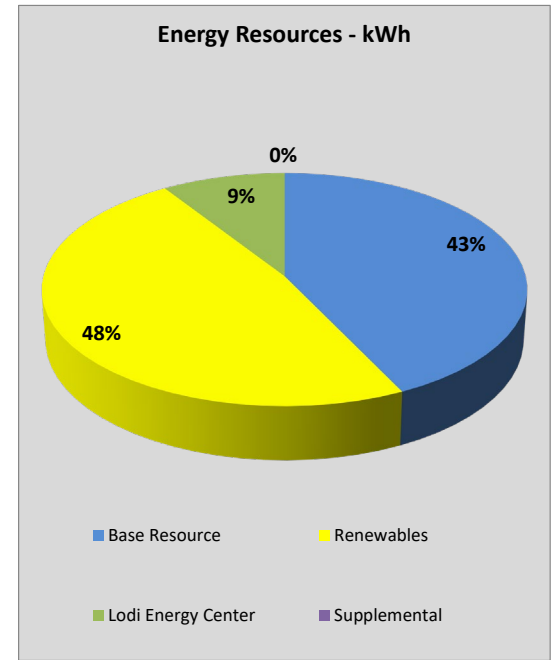
## 2023 Annual Resource Portfolio

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load	20,129,892	\$ 975,723	4.85	-	-	\$ 975,723	4.85
District Specific - Warm Springs	-	-	-	-	-	-	-
District Specific - BOR Payback	-	-	-	-	-	-	-
Base Resource	2,703,790	\$ 56,643	2.09	\$ (148,206)	(5.48)	\$ (91,563)	(3.39)
Base Resource Pooling	7,269,576	\$ 285,312	3.92	\$ (362,771)	(4.99)	\$ (77,460)	(1.07)
Generation - LEC	2,137,215	\$ 209,034	9.78	\$ (198,205)	(9.27)	\$ 10,830	0.51
Generation - Astoria	1,630,179	\$ 104,458	6.41	\$ (48,246)	(2.96)	\$ 56,211	3.45
Generation - Whitney	-	-	-	-	-	-	-
Generation - Slate PV & BESS	9,558,077	\$ 409,945	4.29	\$ (388,621)	(4.07)	\$ 21,324	0.22
Supplemental - Fixed	-	-	-	-	-	-	-
Supplemental - Variable	-	-	-	-	-	-	-
CAISO Real-time Imbalance	(3,168,945)	-	-	-	-	-	-
<b>Total Loss Adjusted kWh</b>	<b>20,129,892</b>	<b>\$ 2,041,113</b>	<b>10.14</b>	<b>\$ (1,146,050)</b>	<b>(5.69)</b>	<b>\$ 895,064</b>	<b>4.45</b>

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load (DLF adj)	20,129,892	\$ 975,723	4.85	-	-	\$ 975,723	4.85
Base Resource	9,973,366	\$ 343,295	3.44	\$ (510,978)	(5.12)	\$ (167,683)	(1.68)
Renewables	11,188,256	\$ 516,171	4.61	\$ (436,867)	(3.90)	\$ 79,304	0.71
Lodi Energy Center	2,137,215	\$ 270,439	12.65	\$ (198,205)	(9.27)	\$ 72,234	3.38
Supplemental	-	\$ -	-	\$ -	-	\$ -	-
RA, RECs & Carbon	-	\$ (6,776)	-	-	-	\$ (6,776)	-
<b>Resource Subtotal</b>	<b>23,298,837</b>	<b>\$ 1,123,129</b>	<b>4.82</b>	<b>\$ (1,146,050)</b>	<b>(4.92)</b>	<b>\$ (22,921)</b>	<b>(0.10)</b>
<b>Net Portfolio</b>	<b>20,129,892</b>	<b>\$ 2,098,852</b>	<b>10.43</b>	<b>\$ (1,146,050)</b>	<b>(5.69)</b>	<b>\$ 952,802</b>	<b>4.73</b>

Percent of Load Covered

116%



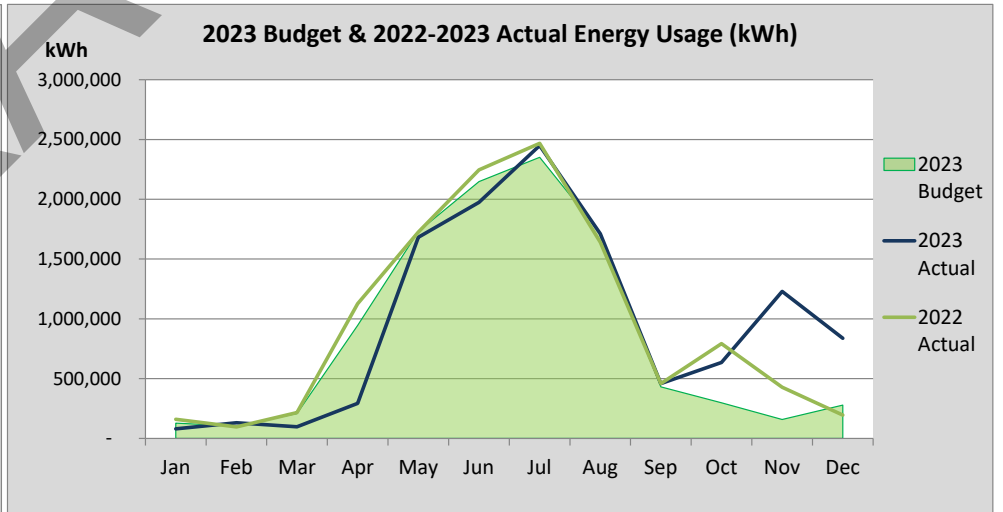
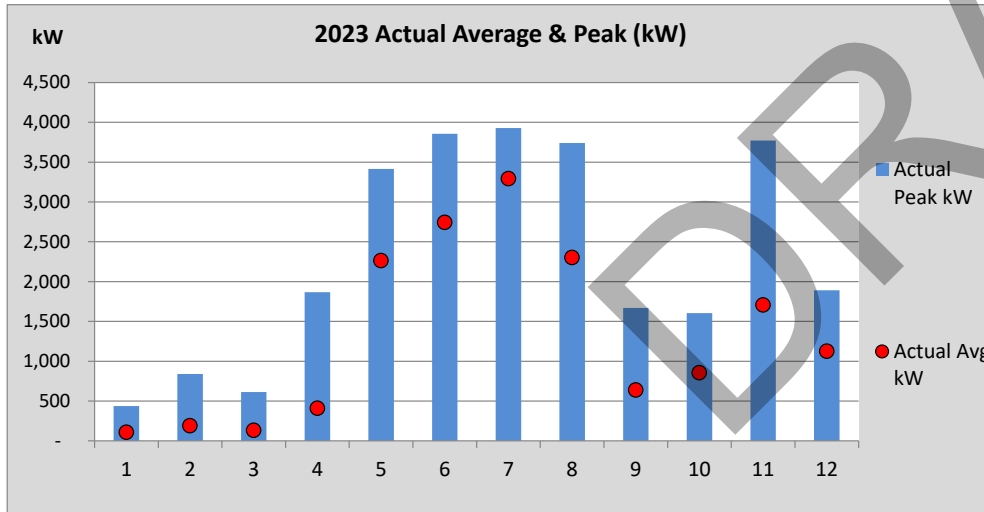
# Glenn-Colusa Irrigation District

## Energy Summary, Metered kWh

## Glenn-Colusa

## 2023 Reconciliation Summary

	2023 Budget			2023 Actual			2022 Actual			Year-Over-Year Comparison, 2022 v 2021		
	Budget Peak kW	Budget Avg kW	Budget Load kWh	Actual Peak kW	Actual Avg kW	Actual Load kWh	Peak kW	Average kW	Load kWh	Peak kW	Average kW	Load kWh
Jan	641	173	128,493	438	108	80,037	1,048	216	160,483	-58%	-50%	-50%
Feb	751	149	103,608	839	188	130,574	660	139	96,436	27%	35%	35%
Mar	690	280	208,009	613	131	96,996	479	291	216,144	28%	-55%	-55%
Apr	3,231	1,312	944,663	1,866	407	293,141	4,069	1,565	1,127,130	-54%	-74%	-74%
May	3,404	2,325	1,729,636	3,415	2,261	1,682,519	3,925	2,319	1,725,145	-13%	-2%	-2%
Jun	4,049	2,982	2,147,302	3,856	2,742	1,973,968	3,922	3,118	2,245,216	-2%	-12%	-12%
Jul	3,970	3,160	2,351,132	3,929	3,292	2,449,576	3,793	3,317	2,467,777	4%	-1%	-1%
Aug	3,459	2,311	1,719,318	3,742	2,300	1,711,179	3,327	2,204	1,639,914	12%	4%	4%
Sep	1,233	599	431,407	1,668	637	458,648	1,309	638	459,279	27%	0%	0%
Oct	718	401	298,482	1,603	855	635,970	1,707	1,065	792,148	-6%	-20%	-20%
Nov	553	221	159,065	3,772	1,704	1,228,794	1,075	594	427,392	251%	187%	188%
Dec	949	375	278,885	1,890	1,125	837,216	1,175	263	195,468	61%	328%	328%
<b>2023</b>			<b>10,500,000</b>			<b>11,578,618</b>			<b>11,552,532</b>			<b>0%</b>



# Glenn-Colusa Irrigation District

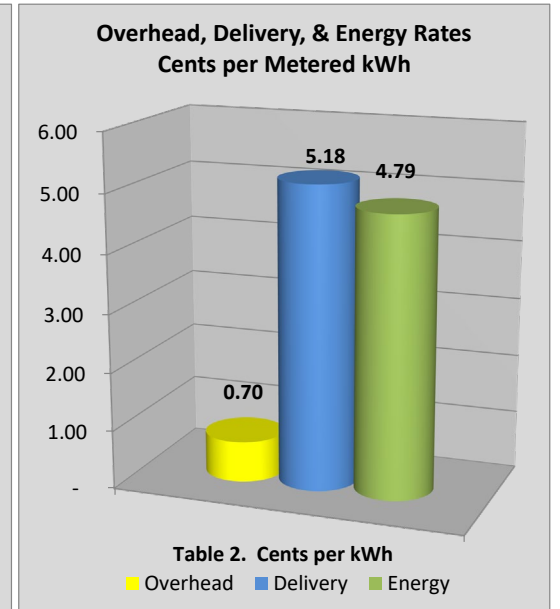
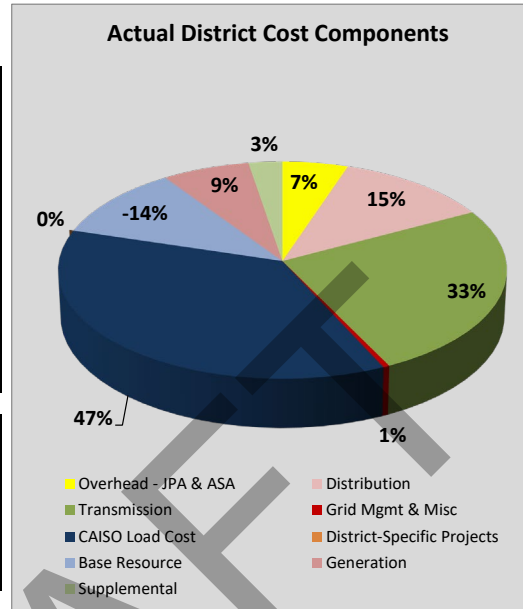
## Annual Cost Summary

	2023 Budget	2023 Actual	Compare	Cents/kWh
Total Metered kWh	10,500,000	11,578,618	10%	
Overhead - JPA & ASA	\$ 85,604	\$ 80,798	-6%	0.70
Distribution	\$ 230,666	\$ 190,426	-17%	1.64
Transmission	\$ 379,264	\$ 402,209	6%	3.47
Grid Mgmt & Misc	\$ 47,250	\$ 6,628	-86%	0.06
CAISO Load Cost	\$ 884,128	\$ 575,939	-35%	4.97
District-Specific Projects	\$ -	\$ -	0%	-
Base Resource	\$ (176,661)	\$ (170,948)	-3%	(1.48)
Generation	\$ 43,045	\$ 107,842	151%	0.93
Supplemental	\$ 54,405	\$ 41,590	-24%	0.36
<b>Total Costs</b>	<b>\$ 1,547,701</b>	<b>\$ 1,234,485</b>	<b>-20%</b>	<b>10.66</b>

1% Loss Adjustment

	2023 Budget	2023 Actual	Compare
Total Metered kWh	10,500,000	11,578,618	10%
Overhead	0.82	0.70	-14%
Delivery	6.26	5.18	-17%
Energy	7.67	4.79	-38%
<b>Total Costs</b>	<b>14.74</b>	<b>10.66</b>	<b>-28%</b>

\*\*Please note Table 1 & 2 do not include any P3 or direct consulting revenue/expenses.

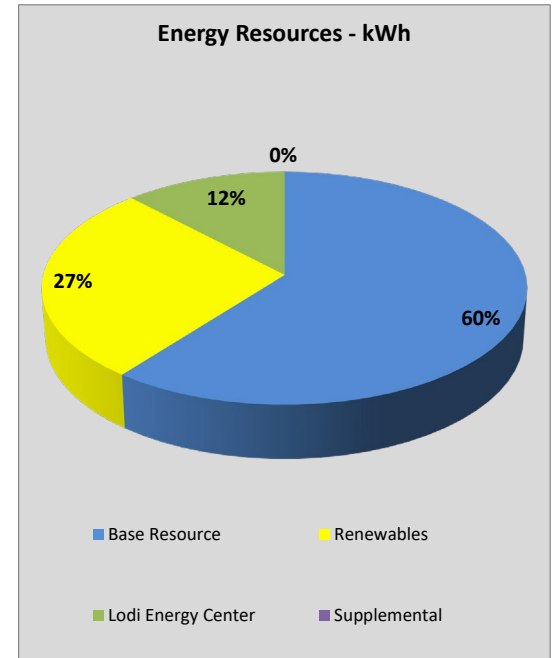


## 2023 Annual Resource Portfolio

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load	11,697,763	\$ 575,939	4.92	-	-	\$ 575,939	4.92
District Specific - Warm Springs	-	-	-	-	-	-	-
District Specific - BOR Payback	-	-	-	-	-	-	-
Base Resource	5,086,968	\$ 124,629	2.45	\$ (278,839)	(5.48)	\$ (154,210)	(3.03)
Base Resource Pooling	2,091,613	\$ 79,598	3.81	\$ (98,858)	(4.73)	\$ (19,260)	(0.92)
Generation - LEC	1,433,010	\$ 140,158	9.78	\$ (132,897)	(9.27)	\$ 7,261	0.51
Generation - Astoria	862,443	\$ 55,263	6.41	\$ (25,525)	(2.96)	\$ 29,739	3.45
Generation - Whitney	749,799	\$ 44,051	5.88	\$ (21,298)	(2.84)	\$ 22,752	3.03
Generation - Slate PV & BESS	1,642,513	\$ 47,654	2.90	\$ (51,941)	(3.16)	\$ (4,287)	(0.26)
Supplemental - Fixed	-	\$ -	-	\$ -	-	\$ -	-
Supplemental - Variable	-	\$ -	-	\$ -	-	\$ -	-
CAISO Real-time Imbalance	(168,584)	-	-	-	-	-	-
<b>Total Loss Adjusted kWh</b>	<b>11,697,763</b>	<b>\$ 1,067,291</b>	<b>9.12</b>	<b>\$ (609,357)</b>	<b>(5.21)</b>	<b>\$ 457,934</b>	<b>3.91</b>

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load (DLF adj)	11,697,763	\$ 575,939	4.92	-	-	\$ 575,939	4.92
Base Resource	7,178,581	\$ 206,749	2.88	\$ (377,696)	(5.26)	\$ (170,948)	(2.38)
Renewables	3,254,756	\$ 151,875	4.67	\$ (98,764)	(3.03)	\$ 53,111	1.63
Lodi Energy Center	1,433,010	\$ 181,330	12.65	\$ (132,897)	(9.27)	\$ 48,433	3.38
Supplemental	-	\$ -	-	\$ -	-	\$ -	-
RA, RECs & Carbon	-	\$ 41,590	-	-	-	\$ 41,590	-
<b>Resource Subtotal</b>	<b>11,866,347</b>	<b>\$ 581,544</b>	<b>4.90</b>	<b>\$ (609,357)</b>	<b>(5.14)</b>	<b>\$ (27,814)</b>	<b>(0.23)</b>
<b>Net Portfolio</b>	<b>11,697,763</b>	<b>\$ 1,157,483</b>	<b>9.89</b>	<b>\$ (609,357)</b>	<b>(5.21)</b>	<b>\$ 548,126</b>	<b>4.69</b>

Percent of Load Covered 101%





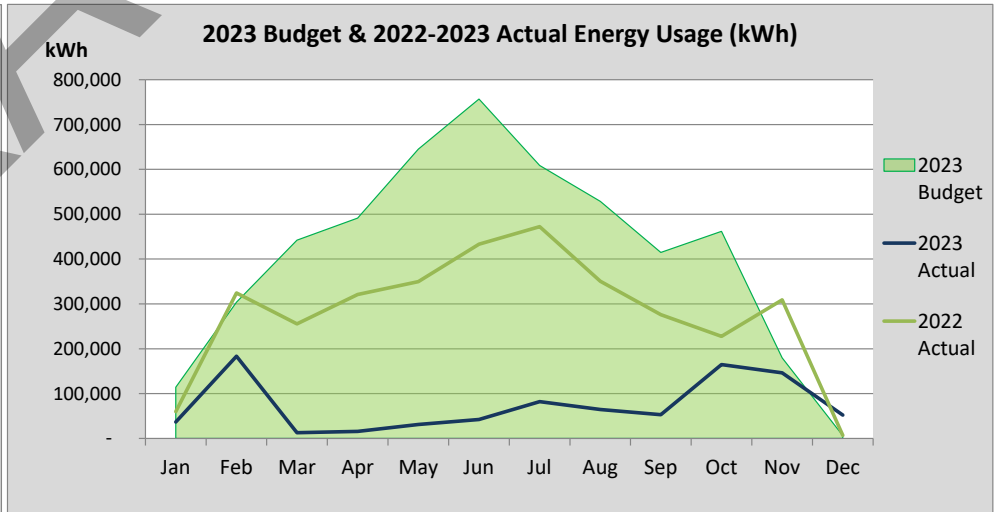
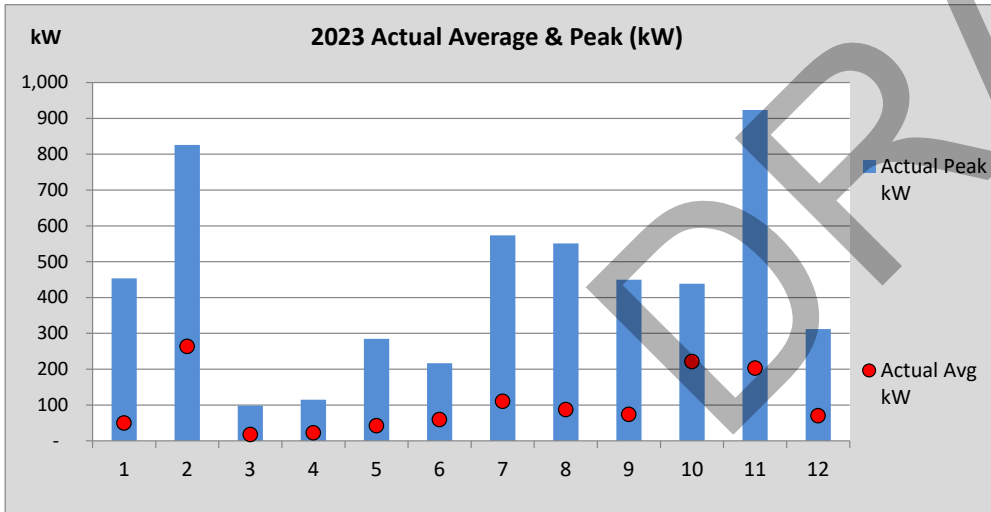
# James Irrigation District

## Energy Summary, Metered kWh

James

## 2023 Reconciliation Summary

	2023 Budget			2023 Actual			2022 Actual			Year-Over-Year Comparison, 2022 v 2021		
	Budget Peak kW	Budget Avg kW	Budget Load kWh	Actual Peak kW	Actual Avg kW	Actual Load kWh	Peak kW	Average kW	Load kWh	Peak kW	Average kW	Load kWh
Jan	456	153	114,007	454	49	36,632	244	80	59,605	86%	-39%	-39%
Feb	720	437	303,874	826	263	183,317	918	466	324,573	-10%	-44%	-44%
Mar	805	595	442,249	98	17	12,764	679	343	255,474	-86%	-95%	-95%
Apr	956	682	491,232	115	22	15,751	570	446	321,105	-80%	-95%	-95%
May	1,212	867	645,284	284	42	31,099	654	470	349,515	-57%	-91%	-91%
Jun	1,433	1,051	756,900	216	59	42,434	838	602	433,329	-74%	-90%	-90%
Jul	1,193	818	608,883	574	110	81,997	940	635	472,294	-39%	-83%	-83%
Aug	1,018	710	528,598	551	87	64,596	583	471	350,627	-5%	-82%	-82%
Sep	756	576	414,660	450	73	52,823	625	384	276,160	-28%	-81%	-81%
Oct	1,334	621	461,697	438	221	164,517	479	306	227,552	-9%	-28%	-28%
Nov	864	249	179,473	923	203	146,276	478	429	309,099	93%	-53%	-53%
Dec	10	9	6,325	312	70	51,878	34	9	6,791	827%	664%	664%
<b>2023</b>			<b>4,953,181</b>			<b>884,083</b>			<b>3,386,124</b>			<b>-74%</b>



# James Irrigation District

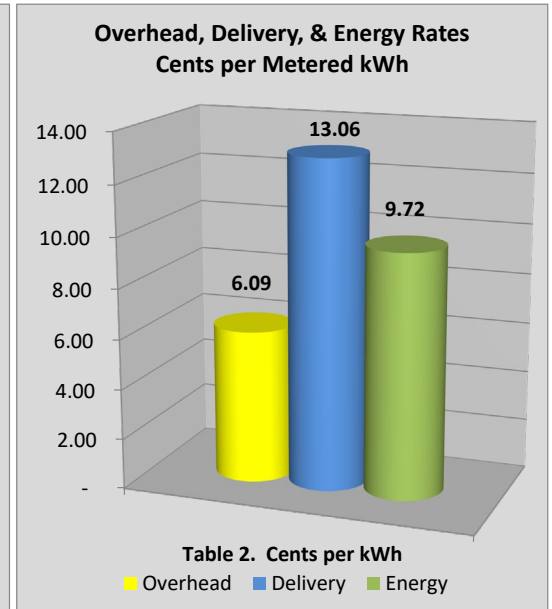
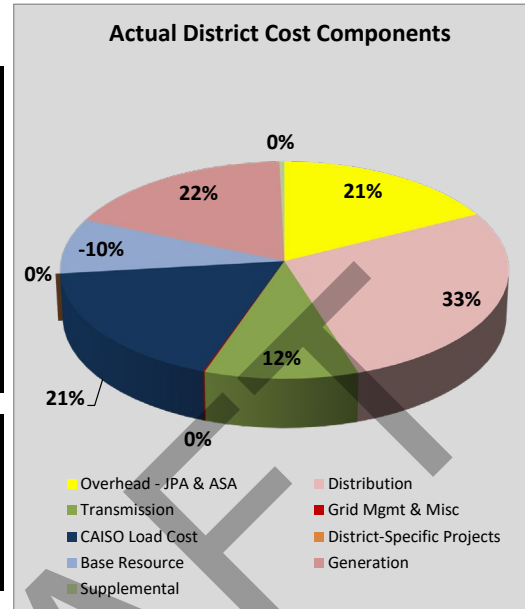
## Annual Cost Summary

	2023 Budget	2023 Actual	Compare	Cents/kWh
Total Metered kWh	4,953,181	884,083	-82%	
Overhead - JPA & ASA	\$ 62,413	\$ 53,832	-14%	6.09
Distribution	\$ 153,435	\$ 84,351	-45%	9.54
Transmission	\$ 180,879	\$ 31,422	-83%	3.55
Grid Mgmt & Misc	\$ 22,289	\$ (307)	-101%	(0.03)
CAISO Load Cost	\$ 395,193	\$ 54,415	-86%	6.15
District-Specific Projects	\$ -	\$ -	0%	-
Base Resource	\$ (37,407)	\$ (25,370)	-32%	(2.87)
Generation	\$ 27,879	\$ 55,677	100%	6.30
Supplemental	\$ 8,381	\$ 1,186	-86%	0.13
<b>Total Costs</b>	<b>\$ 813,062</b>	<b>\$ 255,205</b>	<b>-69%</b>	<b>28.87</b>

2% Loss Adjustment

	2023 Budget	2023 Actual	Compare
Total Metered kWh	4,953,181	884,083	-82%
Overhead	1.26	6.09	383%
Delivery	7.20	13.06	81%
Energy	7.96	9.72	22%
<b>Total Costs</b>	<b>16.41</b>	<b>28.87</b>	<b>76%</b>

\*\*Please note Table 1 & 2 do not include any P3 or direct consulting revenue/expenses.



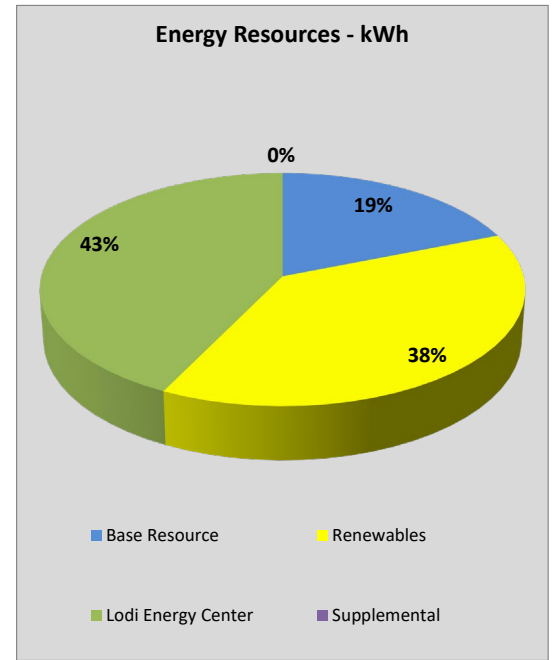
## 2023 Annual Resource Portfolio

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load	900,588	\$ 54,415	6.04	-	-	\$ 54,415	6.04
District Specific - Warm Springs	-	-	-	-	-	-	-
District Specific - BOR Payback	-	-	-	-	-	-	-
Base Resource	1,077,146	\$ 27,620	2.56	\$ (59,043)	(5.48)	\$ (31,423)	(2.92)
Base Resource Pooling	(573,069)	\$ (21,970)	3.83	\$ 27,488	(4.80)	\$ 5,519	(0.96)
Generation - LEC	1,133,109	\$ 110,826	9.78	\$ (105,084)	(9.27)	\$ 5,742	0.51
Generation - Astoria	219,353	\$ 14,056	6.41	\$ (6,492)	(2.96)	\$ 7,564	3.45
Generation - Whitney	249,933	\$ 14,684	5.88	\$ (7,099)	(2.84)	\$ 7,584	3.03
Generation - Slate PV & BESS	547,504	\$ 15,885	2.90	\$ (17,314)	(3.16)	\$ (1,429)	(0.26)
Supplemental - Fixed	-	\$ -	-	\$ -	-	\$ -	-
Supplemental - Variable	-	\$ -	-	\$ -	-	\$ -	-
CAISO Real-time Imbalance	(1,753,388)	-	-	-	-	-	-
<b>Total Loss Adjusted kWh</b>	<b>900,588</b>	<b>\$ 215,515</b>	<b>23.93</b>	<b>\$ (167,544)</b>	<b>(18.60)</b>	<b>\$ 47,971</b>	<b>5.33</b>

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load (DLF adj)	900,588	\$ 54,415	6.04	-	-	\$ 54,415	6.04
Base Resource	504,078	\$ 6,184	1.23	\$ (31,555)	(6.26)	\$ (25,370)	(5.03)
Renewables	1,016,790	\$ 46,185	4.54	\$ (30,905)	(3.04)	\$ 15,280	1.50
Lodi Energy Center	1,133,109	\$ 143,381	12.65	\$ (105,084)	(9.27)	\$ 38,297	3.38
Supplemental	-	\$ -	-	\$ -	-	\$ -	-
RA, RECs & Carbon	-	\$ 1,186	-	-	-	\$ 1,186	-
<b>Resource Subtotal</b>	<b>2,653,977</b>	<b>\$ 196,937</b>	<b>7.42</b>	<b>\$ (167,544)</b>	<b>(6.31)</b>	<b>\$ 29,393</b>	<b>1.11</b>
<b>Net Portfolio</b>	<b>900,588</b>	<b>\$ 251,352</b>	<b>27.91</b>	<b>\$ (167,544)</b>	<b>(18.60)</b>	<b>\$ 83,808</b>	<b>9.31</b>

Percent of Load Covered

295%



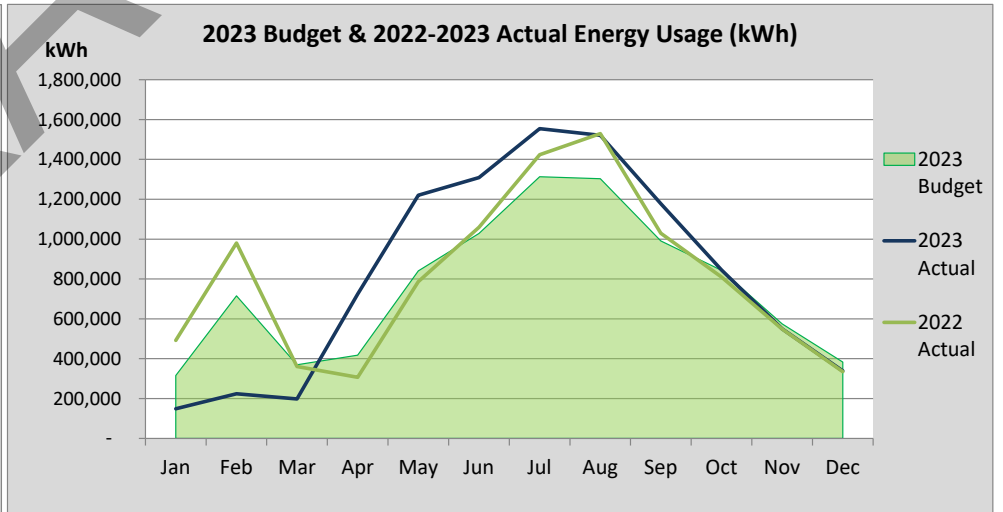
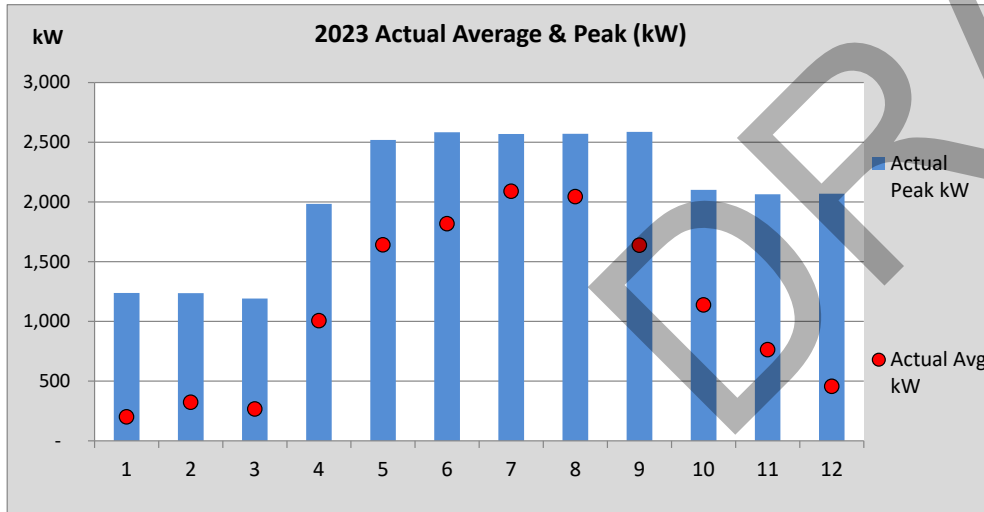
# Lower Tule River Irrigation District

## Energy Summary, Metered kWh

## Lower Tule

## 2023 Reconciliation Summary

	2023 Budget			2023 Actual			2022 Actual			Year-Over-Year Comparison, 2022 v 2021		
	Budget Peak kW	Budget Avg kW	Budget Load kWh	Actual Peak kW	Actual Avg kW	Actual Load kWh	Peak kW	Average kW	Load kWh	Peak kW	Average kW	Load kWh
Jan	4,193	425	315,964	1,239	200	148,828	2,454	661	491,568	-50%	-70%	-70%
Feb	3,204	1,028	715,224	1,236	322	224,267	2,629	1,409	980,807	-53%	-77%	-77%
Mar	2,663	498	369,871	1,192	266	197,635	2,015	485	360,502	-41%	-45%	-45%
Apr	2,138	580	417,810	1,984	1,005	723,850	1,912	426	306,804	4%	136%	136%
May	2,748	1,131	841,193	2,520	1,640	1,219,861	2,624	1,058	786,898	-4%	55%	55%
Jun	2,994	1,428	1,028,194	2,584	1,818	1,308,676	2,637	1,471	1,059,343	-2%	24%	24%
Jul	3,166	1,765	1,313,185	2,570	2,089	1,554,399	2,674	1,914	1,423,724	-4%	9%	9%
Aug	3,524	1,751	1,302,814	2,572	2,044	1,520,481	2,700	2,056	1,529,488	-5%	-1%	-1%
Sep	2,448	1,377	991,163	2,587	1,636	1,178,153	2,661	1,429	1,029,186	-3%	14%	14%
Oct	2,580	1,134	843,803	2,102	1,136	845,278	2,120	1,089	809,915	-1%	4%	4%
Nov	2,765	797	574,332	2,064	762	549,713	2,478	763	549,259	-17%	0%	0%
Dec	1,988	515	382,959	2,069	455	338,829	1,859	451	335,335	11%	1%	1%
<b>2023</b>			<b>9,096,512</b>			<b>9,809,970</b>			<b>9,662,829</b>			<b>2%</b>



# Lower Tule River Irrigation District

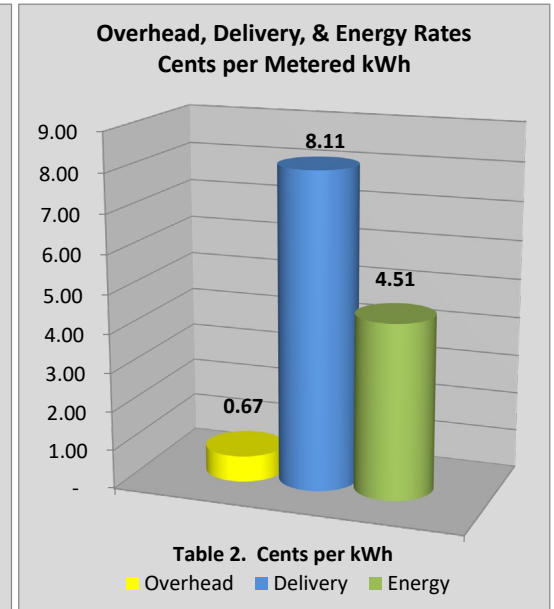
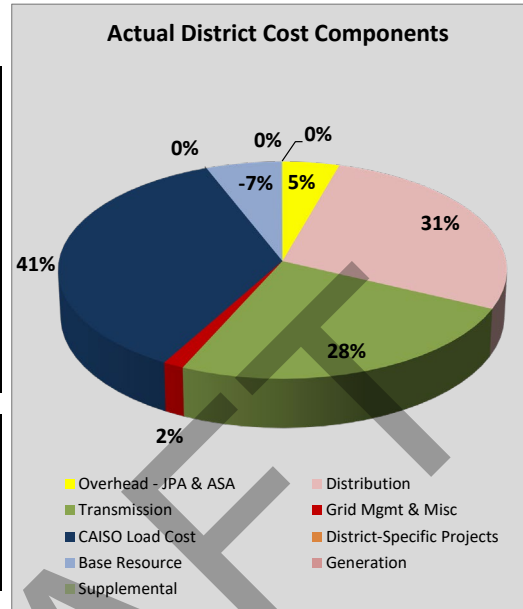
## Annual Cost Summary

	2023 Budget	2023 Actual	Compare	Cents/kWh
Total Metered kWh	9,096,512	9,809,970	8%	
Overhead - JPA & ASA	\$ 71,197	\$ 65,760	-8%	0.67
Distribution	\$ 469,366	\$ 408,657	-13%	4.17
Transmission	\$ 348,609	\$ 365,890	5%	3.73
Grid Mgmt & Misc	\$ 40,934	\$ 20,619	-50%	0.21
CAISO Load Cost	\$ 748,654	\$ 531,229	-29%	5.42
District-Specific Projects	\$ -	\$ -	0%	-
Base Resource	\$ (48,301)	\$ (87,364)	81%	(0.89)
Generation	\$ -	\$ -	0%	-
Supplemental	\$ 177,430	\$ (1,078)	-101%	(0.01)
<b>Total Costs</b>	<b>\$ 1,807,889</b>	<b>\$ 1,303,714</b>	<b>-28%</b>	<b>13.29</b>

7% Loss Adjustment

	2023 Budget	2023 Actual	Compare
Total Metered kWh	9,096,512	9,809,970	8%
Overhead	0.78	0.67	-14%
Delivery	9.44	8.11	-14%
Energy	9.65	4.51	-53%
<b>Total Costs</b>	<b>19.87</b>	<b>13.29</b>	<b>-33%</b>

\*\*Please note Table 1 & 2 do not include any P3 or direct consulting revenue/expenses.

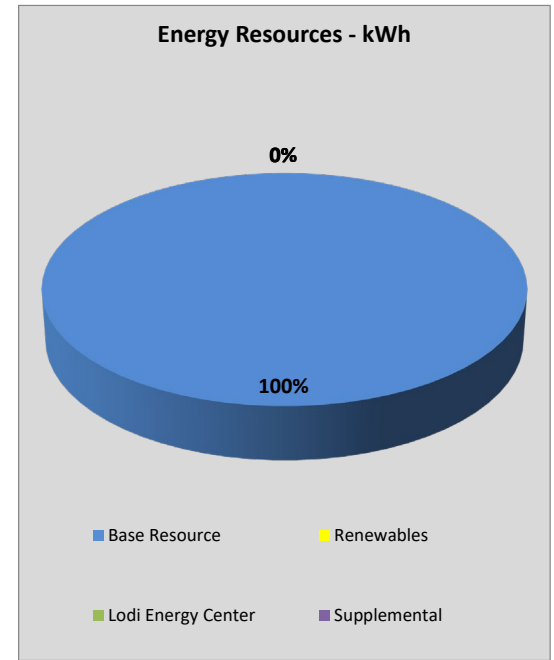


## 2023 Annual Resource Portfolio

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load	10,488,921	\$ 531,229	5.06	-	-	\$ 531,229	5.06
District Specific - Warm Springs	-	-	-	-	-	-	-
District Specific - BOR Payback	-	-	-	-	-	-	-
Base Resource	1,390,836	\$ 29,384	2.11	\$ (76,238)	(5.48)	\$ (46,854)	(3.37)
Base Resource Pooling	3,432,128	\$ 138,288	4.03	\$ (179,488)	(5.23)	\$ (41,200)	(1.20)
Generation - LEC	-	-	-	-	-	-	-
Generation - Astoria	-	-	-	-	-	-	-
Generation - Whitney	-	-	-	-	-	-	-
Generation - Slate PV & BESS	-	-	-	-	-	-	-
Supplemental - Fixed	-	-	-	-	-	-	-
Supplemental - Variable	-	-	-	-	-	-	-
CAISO Real-time Imbalance	5,665,957	-	-	-	-	-	-
<b>Total Loss Adjusted kWh</b>	<b>10,488,921</b>	<b>\$ 698,901</b>	<b>6.66</b>	<b>\$ (255,725)</b>	<b>(2.44)</b>	<b>\$ 443,175</b>	<b>4.23</b>

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load (DLF adj)	10,488,921	\$ 531,229	5.06	-	-	\$ 531,229	5.06
Base Resource	4,822,964	\$ 168,362	3.49	\$ (255,725)	(5.30)	\$ (87,364)	(1.81)
Renewables	-	-	-	-	-	-	-
Lodi Energy Center	-	-	-	-	-	-	-
Supplemental	-	-	-	-	-	-	-
RA, RECs & Carbon	-	\$ (1,078)	-	-	-	\$ (1,078)	-
<b>Resource Subtotal</b>	<b>4,822,964</b>	<b>\$ 167,284</b>	<b>3.47</b>	<b>\$ (255,725)</b>	<b>(5.30)</b>	<b>\$ (88,442)</b>	<b>(1.83)</b>
<b>Net Portfolio</b>	<b>10,488,921</b>	<b>\$ 698,513</b>	<b>6.66</b>	<b>\$ (255,725)</b>	<b>(2.44)</b>	<b>\$ 442,787</b>	<b>4.22</b>

Percent of Load Covered 46%



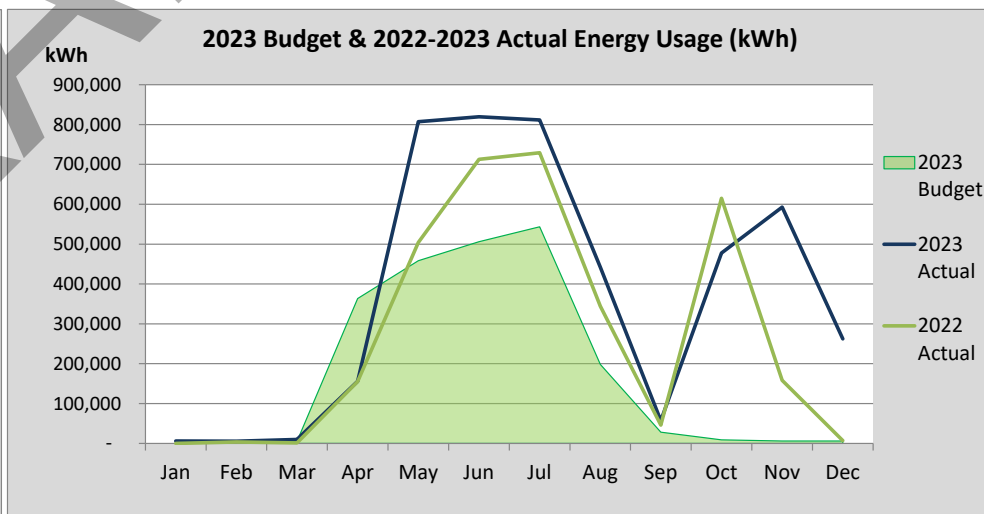
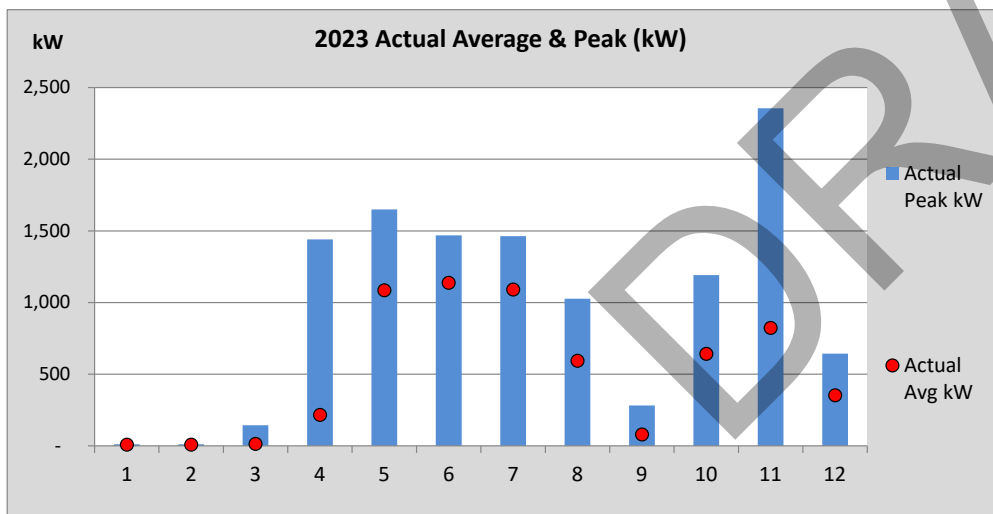
# Princeton-Codora-Glenn ID - Provident ID

## Energy Summary, Metered kWh

## Princeton

## 2023 Reconciliation Summary

	2023 Budget			2023 Actual			2022 Actual			Year-Over-Year Comparison, 2022 v 2021		
	Budget Peak kW	Budget Avg kW	Budget Load kWh	Actual Peak kW	Actual Avg kW	Actual Load kWh	Peak kW	Average kW	Load kWh	Peak kW	Average kW	Load kWh
Jan	106	8	6,024	11	8	5,857	-	-	-	0%	0%	0%
Feb	8	6	4,484	11	8	5,532	6	5	3,510	74%	58%	58%
Mar	11	7	4,939	144	13	9,741	21	2	1,288	594%	657%	656%
Apr	1,421	505	363,580	1,441	217	155,906	534	216	155,576	170%	0%	0%
May	1,453	616	458,400	1,650	1,085	807,073	1,463	678	504,168	13%	60%	60%
Jun	930	703	506,296	1,468	1,138	819,550	1,291	990	712,721	14%	15%	15%
Jul	939	731	543,547	1,464	1,091	811,480	1,115	980	729,268	31%	11%	11%
Aug	714	267	198,396	1,027	594	441,905	991	463	344,318	4%	28%	28%
Sep	161	39	28,052	282	79	56,925	356	64	46,130	-21%	23%	23%
Oct	17	12	8,734	1,191	642	477,792	1,299	826	614,779	-8%	-22%	-22%
Nov	14	8	5,929	2,356	822	592,816	643	220	158,381	266%	274%	274%
Dec	12	8	6,263	643	353	262,356	12	9	7,060	5376%	3616%	3616%
<b>2023</b>			<b>2,134,646</b>			<b>4,446,932</b>			<b>3,277,199</b>			<b>36%</b>



# Princeton-Codora-Glenn ID - Provident ID

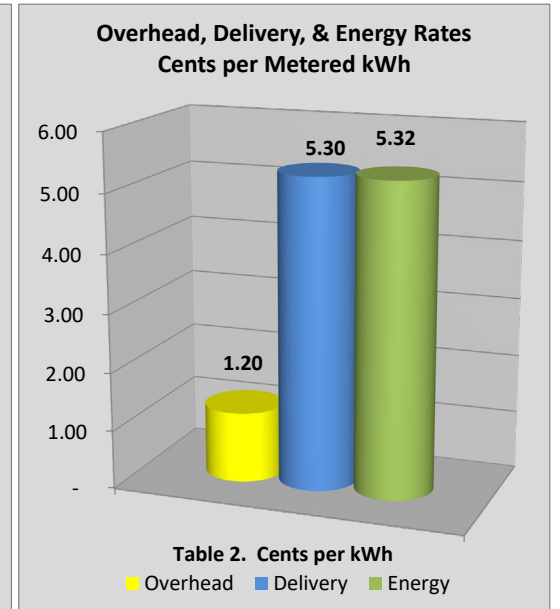
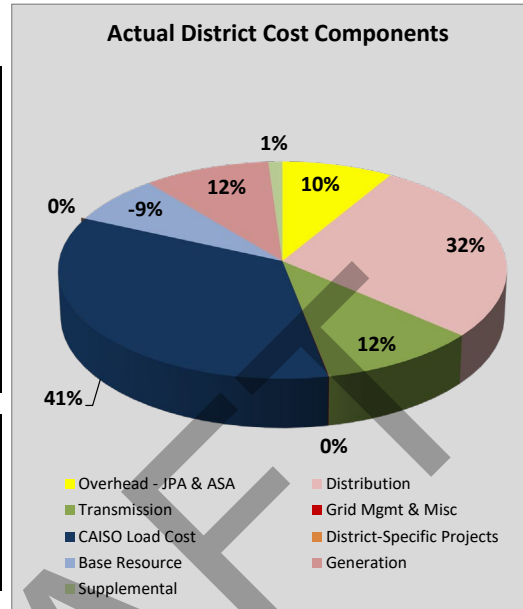
## Annual Cost Summary

	2023 Budget	2023 Actual	Compare	Cents/kWh
Total Metered kWh	2,134,646	4,446,932	108%	
Overhead - JPA & ASA	\$ 58,405	\$ 53,439	-9%	1.20
Distribution	\$ 88,517	\$ 170,222	92%	3.83
Transmission	\$ 37,946	\$ 65,515	73%	1.47
Grid Mgmt & Misc	\$ 9,606	\$ (175)	-102%	(0.00)
CAISO Load Cost	\$ 173,716	\$ 213,941	23%	4.81
District-Specific Projects	\$ -	\$ -	0%	-
Base Resource	\$ (39,631)	\$ (45,176)	14%	(1.02)
Generation	\$ 31,331	\$ 60,932	94%	1.37
Supplemental	\$ 1,506	\$ 6,763	349%	0.15
<b>Total Costs</b>	<b>\$ 361,396</b>	<b>\$ 525,463</b>	<b>45%</b>	<b>11.82</b>

2% Loss Adjustment

	2023 Budget	2023 Actual	Compare
Total Metered kWh	2,134,646	4,446,932	108%
Overhead	2.74	1.20	-56%
Delivery	6.37	5.30	-17%
Energy	7.82	5.32	-32%
<b>Total Costs</b>	<b>16.93</b>	<b>11.82</b>	<b>-30%</b>

\*\*Please note Table 1 & 2 do not include any P3 or direct consulting revenue/expenses.



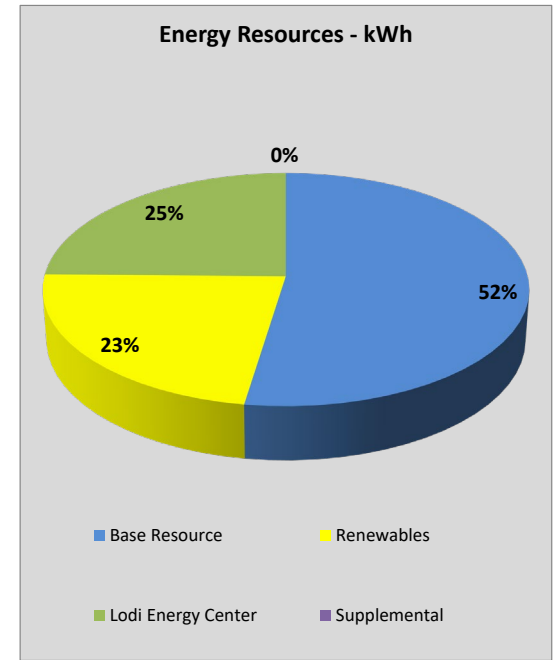
## 2023 Annual Resource Portfolio

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load	4,531,349	\$ 213,941	4.72	-	-	\$ 213,941	4.72
District Specific - Warm Springs			-				-
District Specific - BOR Payback			-				-
Base Resource	1,141,182	\$ 26,590	2.33	\$ (62,553)	(5.48)	\$ (35,963)	(3.15)
Base Resource Pooling	1,396,298	\$ 51,267	3.67	\$ (61,046)	(4.37)	\$ (9,778)	(0.70)
Generation - LEC	1,196,383	\$ 117,014	9.78	\$ (110,952)	(9.27)	\$ 6,062	0.51
Generation - Astoria	306,985	\$ 19,671	6.41	\$ (9,085)	(2.96)	\$ 10,585	3.45
Generation - Whitney	249,933	\$ 14,684	5.88	\$ (7,099)	(2.84)	\$ 7,584	3.03
Generation - Slate PV & BESS	547,504	\$ 15,885	2.90	\$ (17,314)	(3.16)	\$ (1,429)	(0.26)
Supplemental - Fixed	-	\$ -	-	\$ -	-	\$ -	-
Supplemental - Variable	-	\$ -	-	\$ -	-	\$ -	-
CAISO Real-time Imbalance	(306,936)						
<b>Total Loss Adjusted kWh</b>	<b>4,531,349</b>	<b>\$ 459,052</b>	<b>10.13</b>	<b>\$ (268,050)</b>	<b>(5.92)</b>	<b>\$ 191,003</b>	<b>4.22</b>

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load (DLF adj)	4,531,349	\$ 213,941	4.72			\$ 213,941	4.72
Base Resource	2,537,480	\$ 78,423	3.09	\$ (123,599)	(4.87)	\$ (45,176)	(1.78)
Renewables	1,104,423	\$ 51,896	4.70	\$ (33,499)	(3.03)	\$ 18,397	1.67
Lodi Energy Center	1,196,383	\$ 151,388	12.65	\$ (110,952)	(9.27)	\$ 40,436	3.38
Supplemental	-	\$ -	-	\$ -	-	\$ -	-
RA, RECs & Carbon		\$ 6,763				\$ 6,763	
<b>Resource Subtotal</b>	<b>4,838,285</b>	<b>\$ 288,470</b>	<b>5.96</b>	<b>\$ (268,050)</b>	<b>(5.54)</b>	<b>\$ 20,420</b>	<b>0.42</b>
<b>Net Portfolio</b>	<b>4,531,349</b>	<b>\$ 502,411</b>	<b>11.09</b>	<b>\$ (268,050)</b>	<b>(5.92)</b>	<b>\$ 234,362</b>	<b>5.17</b>

Percent of Load Covered

107%



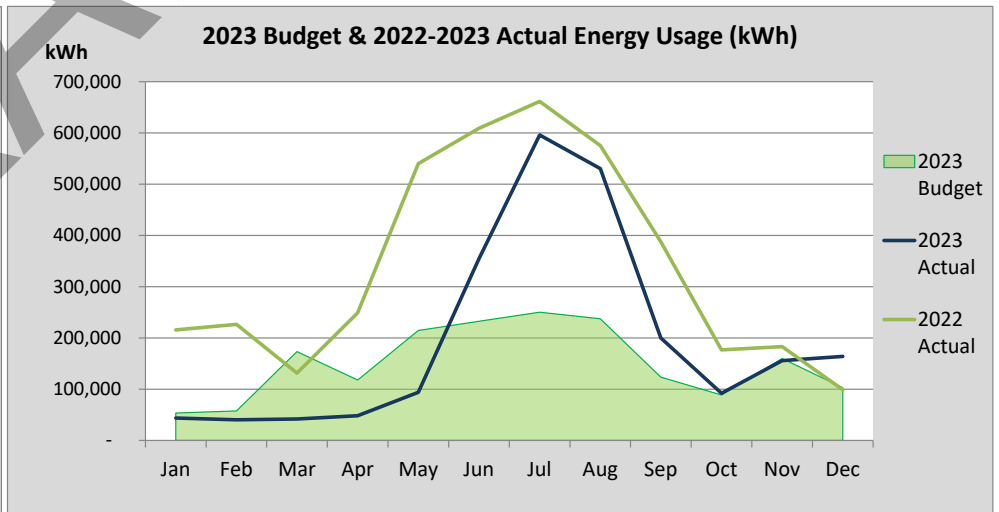
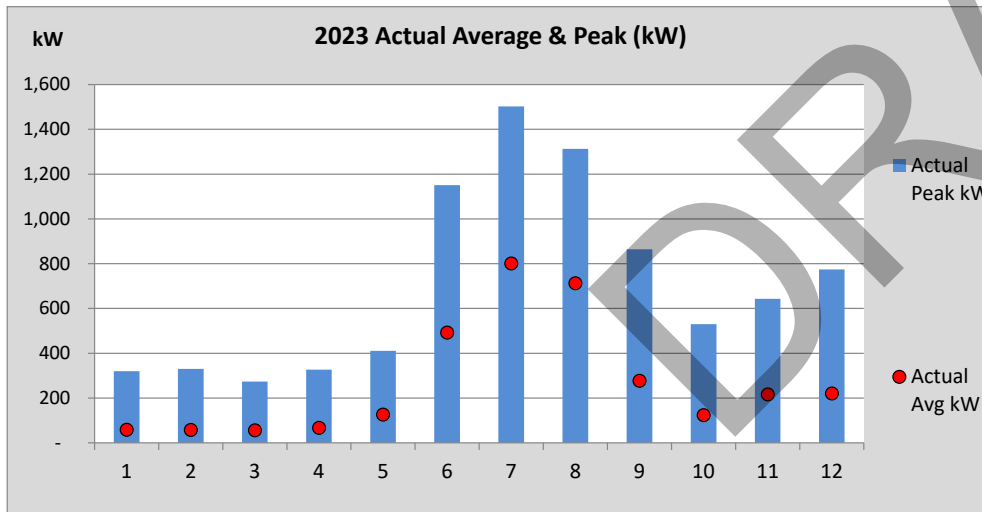
# Reclamation District 108

## Energy Summary, Metered kWh

RD108

## 2023 Reconciliation Summary

	2023 Budget			2023 Actual			2022 Actual			Year-Over-Year Comparison, 2022 v 2021		
	Budget Peak kW	Budget Avg kW	Budget Load kWh	Actual Peak kW	Actual Avg kW	Actual Load kWh	Peak kW	Average kW	Load kWh	Peak kW	Average kW	Load kWh
Jan	244	72	53,396	320	59	43,607	892	290	215,479	-64%	-80%	-80%
Feb	441	83	57,513	330	58	40,271	781	325	226,460	-58%	-82%	-82%
Mar	638	233	173,163	273	56	41,764	663	176	131,230	-59%	-68%	-68%
Apr	406	164	117,972	327	67	48,057	1,175	346	249,165	-72%	-81%	-81%
May	571	288	214,388	411	126	93,988	1,450	726	540,148	-72%	-83%	-83%
Jun	519	323	232,509	1,151	493	354,754	1,315	846	608,894	-12%	-42%	-42%
Jul	489	336	250,203	1,502	801	596,023	1,166	889	661,546	29%	-10%	-10%
Aug	534	319	237,270	1,313	713	530,464	1,145	773	575,433	15%	-8%	-8%
Sep	363	172	123,598	864	277	199,781	1,350	538	387,519	-36%	-48%	-48%
Oct	544	119	88,687	530	124	92,097	525	238	176,881	1%	-48%	-48%
Nov	816	222	159,981	643	216	155,856	511	254	182,965	26%	-15%	-15%
Dec	656	138	102,792	775	220	163,851	350	133	98,952	122%	66%	66%
<b>2023</b>			<b>1,811,473</b>			<b>2,360,513</b>			<b>4,054,673</b>			<b>-42%</b>



# Reclamation District 108

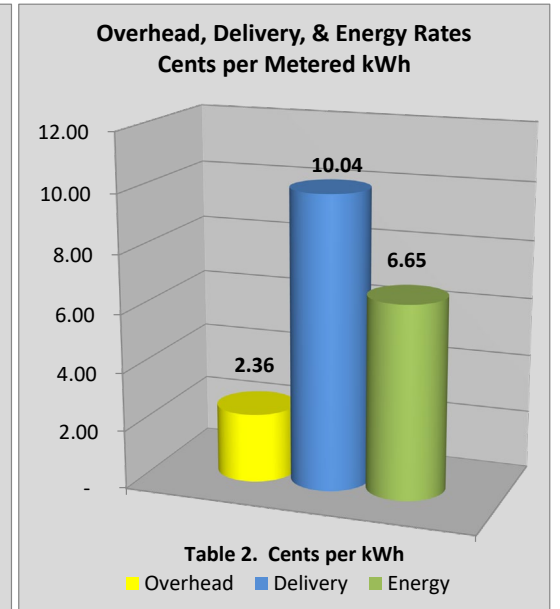
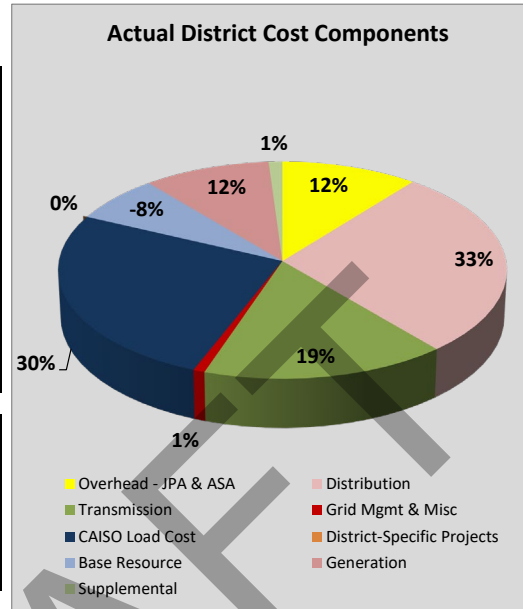
## Annual Cost Summary

	2023 Budget	2023 Actual	Compare	Cents/kWh
Total Metered kWh	1,811,473	2,360,513	30%	
Overhead - JPA & ASA	\$ 62,131	\$ 55,811	-10%	2.36
Distribution	\$ 182,206	\$ 147,334	-19%	6.24
Transmission	\$ 67,035	\$ 85,663	28%	3.63
Grid Mgmt & Misc	\$ 8,152	\$ 4,026	-51%	0.17
CAISO Load Cost	\$ 143,569	\$ 136,101	-5%	5.77
District-Specific Projects	\$ -	\$ -	0%	-
Base Resource	\$ (31,660)	\$ (36,723)	16%	(1.56)
Generation	\$ 18,404	\$ 51,929	182%	2.20
Supplemental	\$ 39,700	\$ 5,591	-86%	0.24
<b>Total Costs</b>	<b>\$ 489,537</b>	<b>\$ 449,731</b>	<b>-8%</b>	<b>19.05</b>

4% Loss Adjustment

	2023 Budget	2023 Actual	Compare
Total Metered kWh	1,811,473	2,360,513	30%
Overhead	3.43	2.36	-31%
Delivery	14.21	10.04	-29%
Energy	9.39	6.65	-29%
<b>Total Costs</b>	<b>27.02</b>	<b>19.05</b>	<b>-29%</b>

\*\*Please note Table 1 & 2 do not include any P3 or direct consulting revenue/expenses.

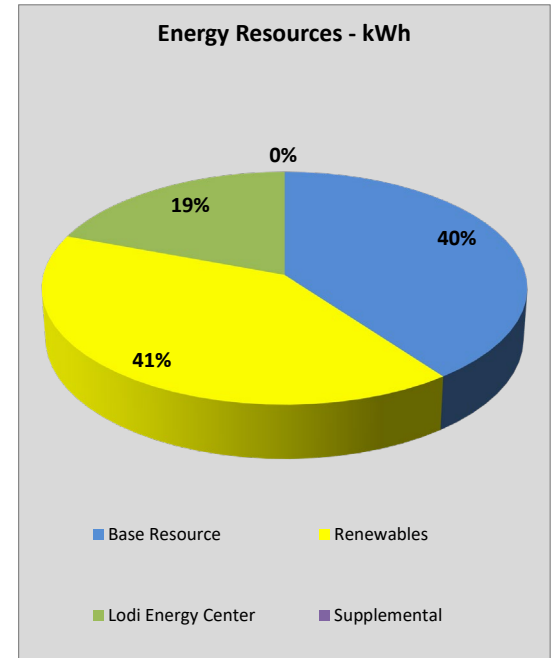


## 2023 Annual Resource Portfolio

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load	2,464,572	\$ 136,101	5.52	-	-	\$ 136,101	5.52
District Specific - Warm Springs	-	-	-	-	-	-	-
District Specific - BOR Payback	-	-	-	-	-	-	-
Base Resource	911,648	\$ 22,186	2.43	\$ (49,971)	(5.48)	\$ (27,785)	(3.05)
Base Resource Pooling	398,427	\$ 19,480	4.89	\$ (28,870)	(7.25)	\$ (9,390)	(2.36)
Generation - LEC	635,650	\$ 62,171	9.78	\$ (58,950)	(9.27)	\$ 3,221	0.51
Generation - Astoria	-	\$ -	-	\$ -	-	\$ -	-
Generation - Whitney	624,970	\$ 36,717	5.88	\$ (17,753)	(2.84)	\$ 18,965	3.03
Generation - Slate PV & BESS	718,782	\$ 38,306	5.33	\$ (34,094)	(4.74)	\$ 4,212	0.59
Supplemental - Fixed	-	\$ -	-	\$ -	-	\$ -	-
Supplemental - Variable	-	\$ -	-	\$ -	-	\$ -	-
CAISO Real-time Imbalance	(824,906)	-	-	-	-	-	-
<b>Total Loss Adjusted kWh</b>	<b>2,464,572</b>	<b>\$ 314,961</b>	<b>12.78</b>	<b>\$ (189,638)</b>	<b>(7.69)</b>	<b>\$ 125,323</b>	<b>5.08</b>

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load (DLF adj)	2,464,572	\$ 136,101	5.52	-	-	\$ 136,101	5.52
Base Resource	1,310,075	\$ 42,119	3.21	\$ (78,841)	(6.02)	\$ (36,723)	(2.80)
Renewables	1,343,752	\$ 78,334	5.83	\$ (51,847)	(3.86)	\$ 26,487	1.97
Lodi Energy Center	635,650	\$ 80,434	12.65	\$ (58,950)	(9.27)	\$ 21,484	3.38
Supplemental	-	\$ -	-	\$ -	-	\$ -	-
RA, RECs & Carbon	-	\$ 5,591	-	-	-	\$ 5,591	-
<b>Resource Subtotal</b>	<b>3,289,477</b>	<b>\$ 206,477</b>	<b>6.28</b>	<b>\$ (189,638)</b>	<b>(5.76)</b>	<b>\$ 16,839</b>	<b>0.51</b>
<b>Net Portfolio</b>	<b>2,464,572</b>	<b>\$ 342,577</b>	<b>13.90</b>	<b>\$ (189,638)</b>	<b>(7.69)</b>	<b>\$ 152,939</b>	<b>6.21</b>

Percent of Load Covered 133%



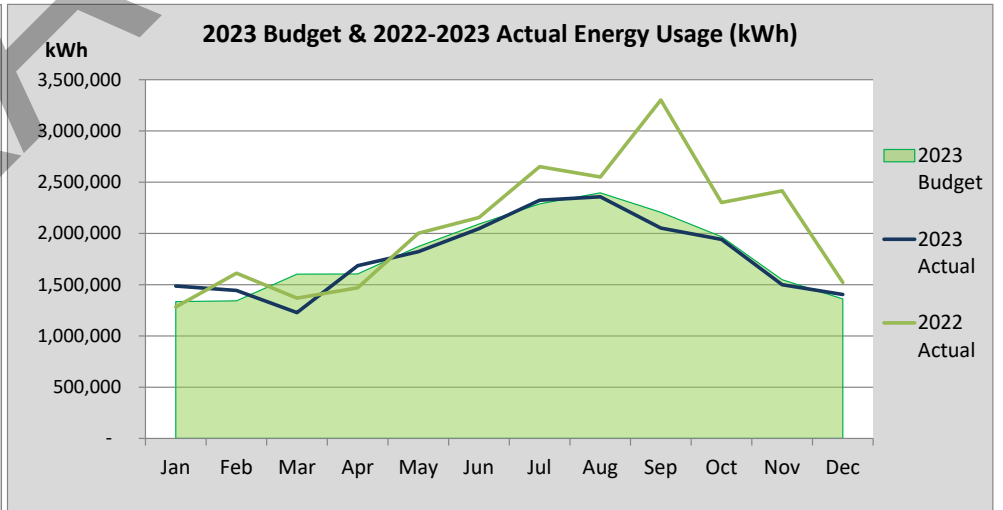
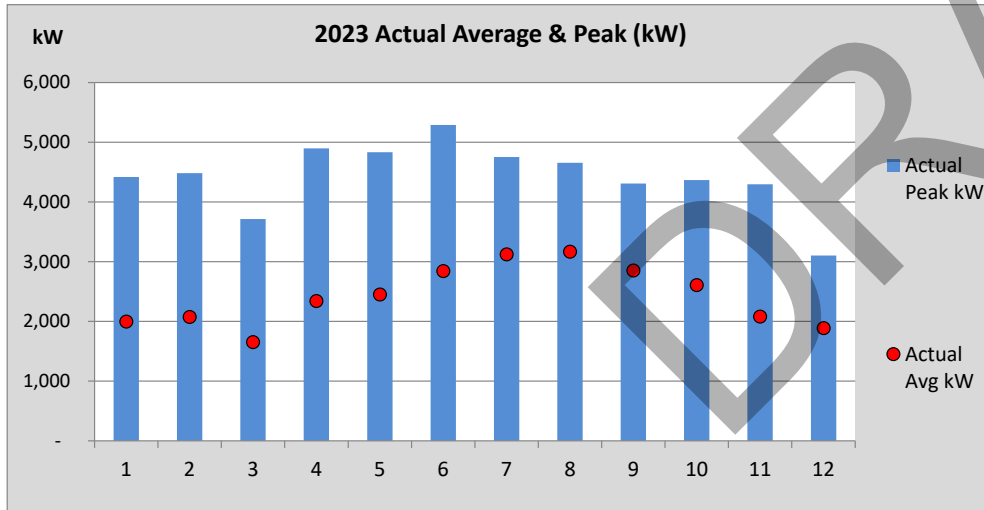


Energy Summary, Metered kWh

Santa Clara

2023 Reconciliation Summary

	2023 Budget			2023 Actual			2022 Actual			Year-Over-Year Comparison, 2022 v 2021		
	Budget Peak kW	Budget Avg kW	Budget Load kWh	Actual Peak kW	Actual Avg kW	Actual Load kWh	Peak kW	Average kW	Load kWh	Peak kW	Average kW	Load kWh
Jan	2,880	1,794	1,334,818	4,420	1,997	1,485,795	2,938	1,724	1,282,328	50%	16%	16%
Feb	3,316	1,929	1,342,447	4,483	2,075	1,444,194	3,568	2,317	1,612,898	26%	-10%	-10%
Mar	3,402	2,158	1,603,159	3,716	1,652	1,227,654	2,842	1,840	1,369,256	31%	-10%	-10%
Apr	3,216	2,230	1,605,499	4,898	2,340	1,685,141	3,094	2,042	1,470,144	58%	15%	15%
May	3,495	2,517	1,872,352	4,833	2,450	1,822,762	6,086	2,691	2,002,204	-21%	-9%	-9%
Jun	4,157	2,905	2,091,368	5,291	2,844	2,047,571	4,025	2,994	2,155,380	31%	-5%	-5%
Jul	4,090	3,075	2,287,726	4,753	3,123	2,323,665	6,539	3,566	2,652,897	-27%	-12%	-12%
Aug	4,436	3,221	2,396,140	4,656	3,169	2,357,621	5,599	3,428	2,550,134	-17%	-8%	-8%
Sep	4,465	3,063	2,205,319	4,310	2,852	2,053,170	5,537	4,586	3,302,200	-22%	-38%	-38%
Oct	4,057	2,646	1,968,987	4,368	2,609	1,941,020	5,125	3,093	2,301,360	-15%	-16%	-16%
Nov	3,467	2,147	1,547,789	4,297	2,081	1,500,367	4,686	3,354	2,415,203	-8%	-38%	-38%
Dec	3,044	1,830	1,361,177	3,104	1,888	1,404,384	4,356	2,045	1,521,647	-29%	-8%	-8%
<b>2023</b>			<b>21,616,781</b>			<b>21,293,343</b>			<b>24,635,649</b>			<b>-14%</b>



# Santa Clara Valley Water District

## Annual Cost Summary

	2023 Budget	2023 Actual	Compare	Cents/kWh
Total Metered kWh	21,616,781	21,293,343	-1%	
Overhead - JPA & ASA	\$ 105,044	\$ 103,316	-2%	0.49
Distribution	\$ 980,915	\$ 1,075,551	10%	5.05
Transmission	\$ 538,980	\$ 469,609	-13%	2.21
Grid Mgmt & Misc	\$ 97,276	\$ 44,103	-55%	0.21
CAISO Load Cost	\$ 1,702,287	\$ 1,302,605	-23%	6.12
District-Specific Projects	\$ -	\$ 13,171	0%	0.06
Base Resource	\$ (79,841)	\$ (163,074)	104%	(0.77)
Generation	\$ 57,023	\$ 186,103	226%	0.87
Supplemental	\$ 336,054	\$ 196,441	-42%	0.92
<b>Total Costs</b>	<b>\$ 3,737,738</b>	<b>\$ 3,227,827</b>	<b>-14%</b>	<b>15.16</b>

2% Loss Adjustment

	2023 Budget	2023 Actual	Compare
Total Metered kWh	21,616,781	21,293,343	-1%
Overhead	0.49	0.49	0%
Delivery	7.48	7.46	0%
Energy	9.32	7.21	-23%
<b>Total Costs</b>	<b>17.29</b>	<b>15.16</b>	<b>-12%</b>

\*\*Please note Table 1 & 2 do not include any P3 or direct consulting revenue/expenses.

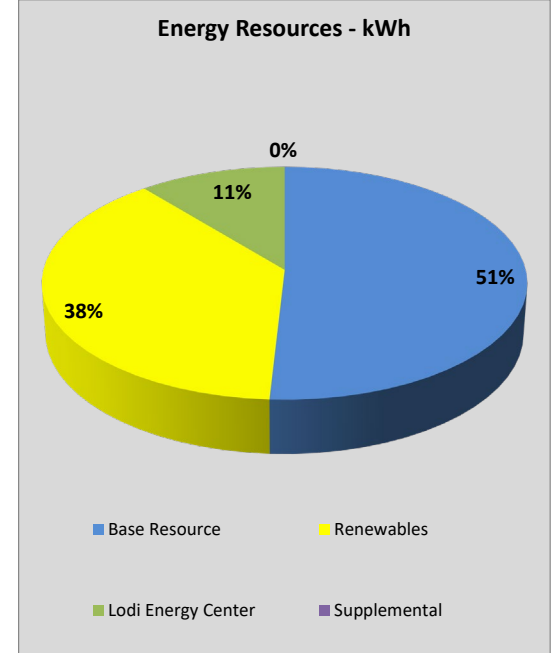
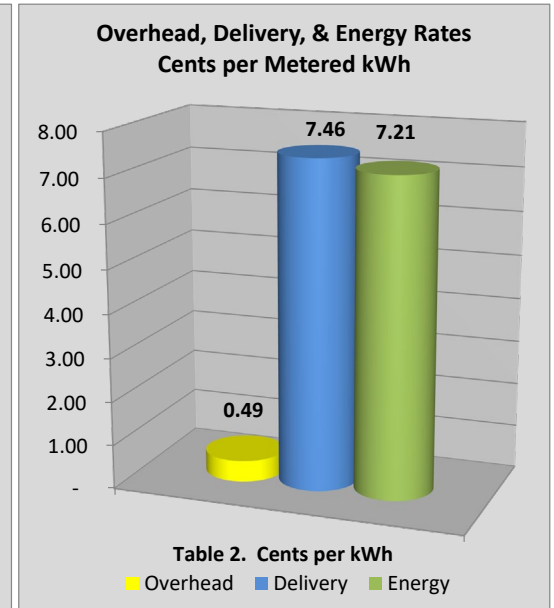
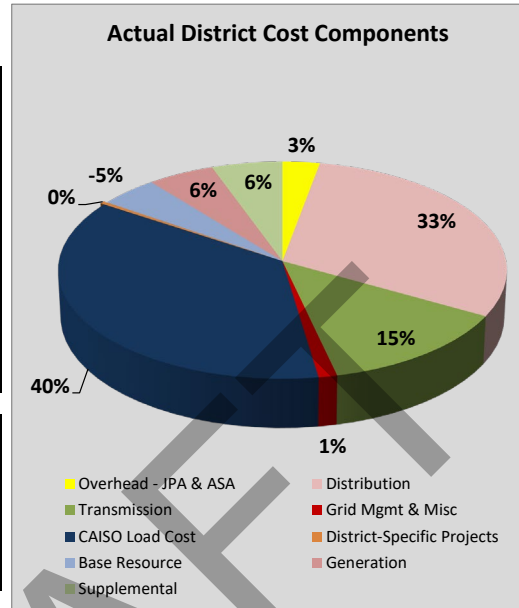
## 2023 Annual Resource Portfolio

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load	21,760,513	\$ 1,302,605	5.99	-	-	\$ 1,302,605	5.99
District Specific - Warm Springs	-	-	-	-	-	-	-
District Specific - BOR Payback	-	-	-	-	-	-	-
Base Resource	2,299,022	\$ 47,156	2.05	\$ (126,019)	(5.48)	\$ (78,863)	(3.43)
Base Resource Pooling	6,198,310	\$ 259,513	4.19	\$ (344,864)	(5.56)	\$ (85,351)	(1.38)
Generation - LEC	1,826,439	\$ 178,638	9.78	\$ (169,383)	(9.27)	\$ 9,255	0.51
Generation - Astoria	1,091,049	\$ 69,912	6.41	\$ (32,290)	(2.96)	\$ 37,621	3.45
Generation - Whitney	1,874,635	\$ 110,135	5.88	\$ (53,250)	(2.84)	\$ 56,885	3.03
Generation - Slate PV & BESS	3,408,580	\$ 133,797	3.93	\$ (130,517)	(3.83)	\$ 3,280	0.10
Supplemental - Fixed	-	-	-	-	-	-	-
Supplemental - Variable	-	-	-	-	-	-	-
CAISO Real-time Imbalance	5,062,477	-	-	-	-	-	-
<b>Total Loss Adjusted kWh</b>	<b>21,760,513</b>	<b>\$ 2,101,756</b>	<b>9.66</b>	<b>\$ (856,324)</b>	<b>(3.94)</b>	<b>\$ 1,245,432</b>	<b>5.72</b>

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load (DLF adj)	21,760,513	\$ 1,302,605	5.99	-	-	\$ 1,302,605	5.99
Base Resource	8,497,332	\$ 307,809	3.62	\$ (470,883)	(5.54)	\$ (163,074)	(1.92)
Renewables	6,374,265	\$ 338,127	5.30	\$ (216,057)	(3.39)	\$ 122,070	1.92
Lodi Energy Center	1,826,439	\$ 231,114	12.65	\$ (169,383)	(9.27)	\$ 61,730	3.38
Supplemental	-	\$ -	-	\$ -	-	\$ -	-
RA, RECs & Carbon	-	\$ 196,441	-	-	-	\$ 196,441	-
<b>Resource Subtotal</b>	<b>16,698,036</b>	<b>\$ 1,073,491</b>	<b>6.43</b>	<b>\$ (856,324)</b>	<b>(5.13)</b>	<b>\$ 217,167</b>	<b>1.30</b>
<b>Net Portfolio</b>	<b>21,760,513</b>	<b>\$ 2,376,097</b>	<b>10.92</b>	<b>\$ (856,324)</b>	<b>(3.94)</b>	<b>\$ 1,519,773</b>	<b>6.98</b>

Percent of Load Covered

77%

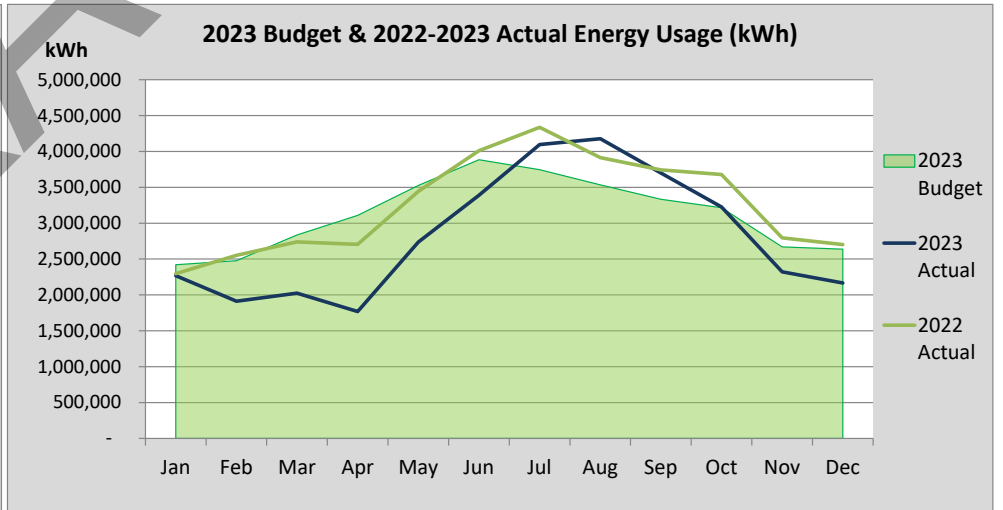
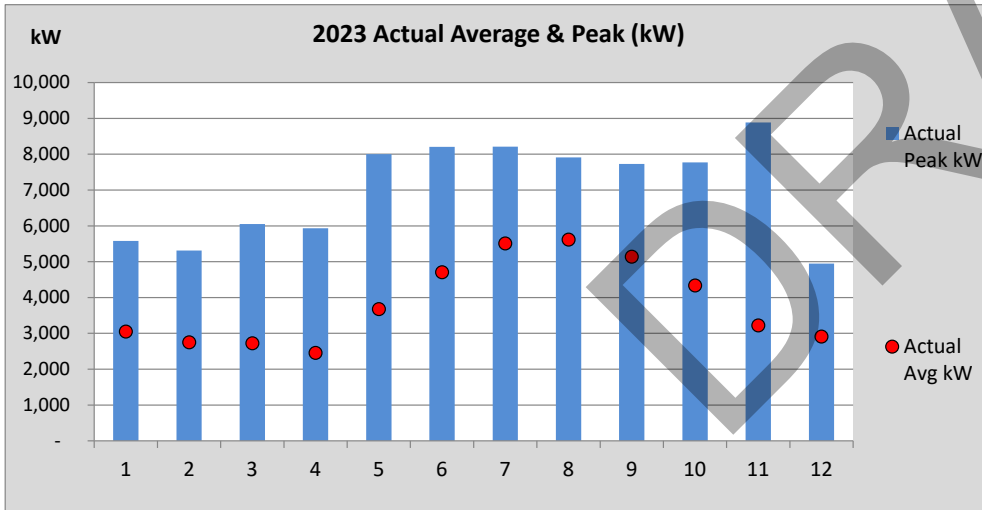


Energy Summary, Metered kWh

Sonoma

2023 Reconciliation Summary

	2023 Budget			2023 Actual			2022 Actual			Year-Over-Year Comparison, 2022 v 2021		
	Budget Peak kW	Budget Avg kW	Budget Load kWh	Actual Peak kW	Actual Avg kW	Actual Load kWh	Peak kW	Average kW	Load kWh	Peak kW	Average kW	Load kWh
Jan	6,134	3,253	2,420,314	5,578	3,050	2,269,158	4,673	3,087	2,296,620	19%	-1%	-1%
Feb	6,693	3,561	2,478,323	5,314	2,749	1,913,054	5,028	3,669	2,553,331	6%	-25%	-25%
Mar	6,257	3,816	2,835,613	6,052	2,725	2,024,969	5,194	3,683	2,739,886	17%	-26%	-26%
Apr	6,517	4,317	3,108,453	5,933	2,457	1,768,767	6,254	3,758	2,705,726	-5%	-35%	-35%
May	7,032	4,741	3,527,087	8,001	3,679	2,737,015	6,960	4,630	3,444,416	15%	-21%	-21%
Jun	7,934	5,395	3,884,605	8,203	4,706	3,388,471	7,069	5,569	4,009,609	16%	-15%	-15%
Jul	7,131	5,033	3,744,707	8,213	5,507	4,097,510	7,901	5,829	4,336,461	4%	-6%	-6%
Aug	8,591	4,751	3,534,891	7,909	5,615	4,177,498	7,955	5,261	3,913,944	-1%	7%	7%
Sep	7,427	4,631	3,334,078	7,730	5,141	3,701,217	7,998	5,200	3,743,780	-3%	-1%	-1%
Oct	7,525	4,321	3,215,038	7,773	4,337	3,226,758	7,462	4,943	3,677,628	4%	-12%	-12%
Nov	6,792	3,703	2,669,747	8,886	3,222	2,323,095	6,577	3,885	2,796,895	35%	-17%	-17%
Dec	6,016	3,546	2,638,241	4,946	2,911	2,165,512	5,382	3,632	2,702,109	-8%	-20%	-20%
<b>2023</b>			<b>37,391,095</b>			<b>33,793,023</b>			<b>38,920,405</b>			<b>-13%</b>



# Sonoma County Water Agency

## Annual Cost Summary

	2023 Budget	2023 Actual	Compare	Cents/kWh
Total Metered kWh	37,391,095	33,793,023	-10%	
Overhead - JPA & ASA	\$ 145,891	\$ 144,756	-1%	0.43
Distribution	\$ 706,502	\$ 649,197	-8%	1.92
Transmission	\$ 1,357,738	\$ 1,187,822	-13%	3.51
Grid Mgmt & Misc	\$ 168,260	\$ 65,643	-61%	0.19
CAISO Load Cost	\$ 2,881,756	\$ 1,993,240	-31%	5.90
District-Specific Projects	\$ 16,177	\$ -	-100%	-
Base Resource	\$ (146,008)	\$ (271,647)	86%	(0.80)
Generation	\$ 178,329	\$ 353,525	98%	1.05
Supplemental	\$ 288,047	\$ (291,641)	-201%	(0.86)
<b>Total Costs</b>	<b>\$ 5,596,692</b>	<b>\$ 3,830,895</b>	<b>-32%</b>	<b>11.34</b>

1% Loss Adjustment

	2023 Budget	2023 Actual	Compare
Total Metered kWh	37,391,095	33,793,023	-10%
Overhead	0.39	0.43	10%
Delivery	5.97	5.63	-6%
Energy	8.61	5.28	-39%
<b>Total Costs</b>	<b>14.97</b>	<b>11.34</b>	<b>-24%</b>

\*\*Please note Table 1 & 2 do not include any P3 or direct consulting revenue/expenses.

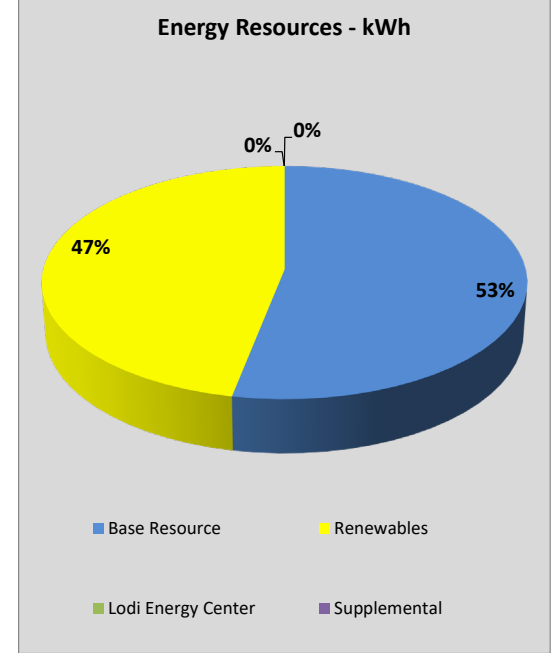
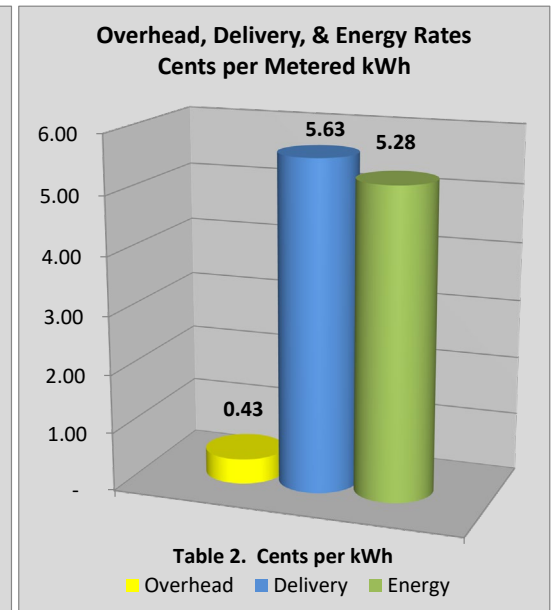
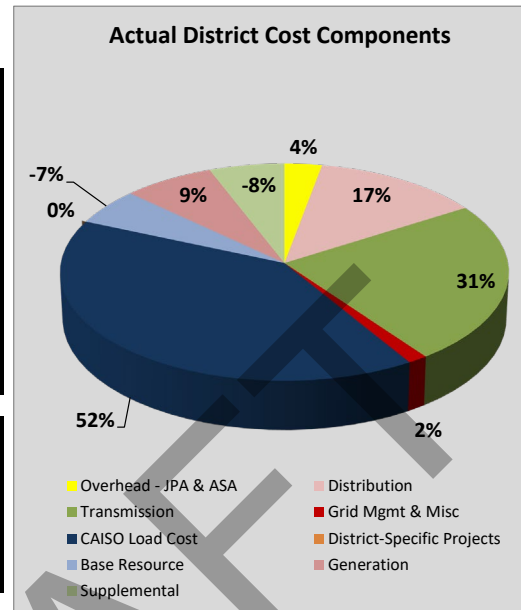
## 2023 Annual Resource Portfolio

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load	34,222,368	\$ 1,993,240	5.82	-	-	\$ 1,993,240	5.82
District Specific - Warm Springs	-	\$ -	-	-	-	\$ -	-
District Specific - BOR Payback	-	\$ -	-	-	-	\$ -	-
Base Resource	4,204,310	\$ 90,251	2.15	\$ (230,456)	(5.48)	\$ (140,205)	(3.33)
Base Resource Pooling	9,431,096	\$ 397,571	4.22	\$ (531,098)	(5.63)	\$ (133,526)	(1.42)
Generation - LEC	-	\$ -	-	\$ -	-	\$ -	-
Generation - Astoria	2,850,771	\$ 182,670	6.41	\$ (84,371)	(2.96)	\$ 98,300	3.45
Generation - Whitney	6,998,950	\$ 411,188	5.88	\$ (198,808)	(2.84)	\$ 212,381	3.03
Generation - Slate PV & BESS	2,190,017	\$ 63,538	2.90	\$ (69,255)	(3.16)	\$ (5,717)	(0.26)
Supplemental - Fixed	-	\$ -	-	\$ -	-	\$ -	-
Supplemental - Variable	-	\$ -	-	\$ -	-	\$ -	-
CAISO Real-time Imbalance	8,547,224	\$ -	-	\$ -	-	\$ -	-
<b>Total Loss Adjusted kWh</b>	<b>34,222,368</b>	<b>\$ 3,138,459</b>	<b>9.17</b>	<b>\$ (1,113,987)</b>	<b>(3.26)</b>	<b>\$ 2,024,473</b>	<b>5.92</b>

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load (DLF adj)	34,222,368	\$ 1,993,240	5.82	-	-	\$ 1,993,240	5.82
Base Resource	13,635,406	\$ 489,907	3.59	\$ (761,554)	(5.59)	\$ (271,647)	(1.99)
Renewables	12,039,738	\$ 697,561	5.79	\$ (352,433)	(2.93)	\$ 345,128	2.87
Lodi Energy Center	-	\$ -	-	\$ -	-	\$ -	-
Supplemental	-	\$ -	-	\$ -	-	\$ -	-
RA, RECs & Carbon	-	\$ (291,641)	-	\$ -	-	\$ (291,641)	-
<b>Resource Subtotal</b>	<b>25,675,144</b>	<b>\$ 895,827</b>	<b>3.49</b>	<b>\$ (1,113,987)</b>	<b>(4.34)</b>	<b>\$ (218,160)</b>	<b>(0.85)</b>
<b>Net Portfolio</b>	<b>34,222,368</b>	<b>\$ 2,889,067</b>	<b>8.44</b>	<b>\$ (1,113,987)</b>	<b>(3.26)</b>	<b>\$ 1,775,080</b>	<b>5.19</b>

Percent of Load Covered

75%



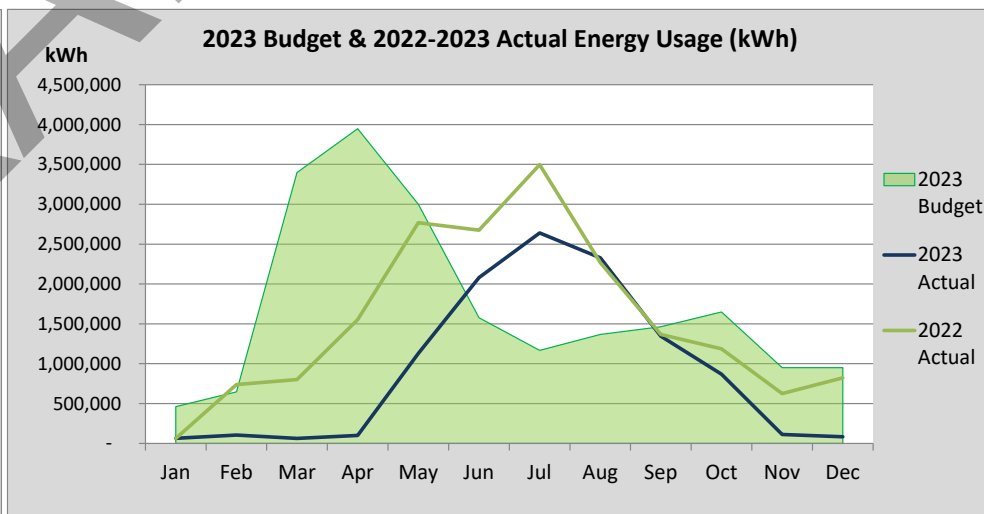
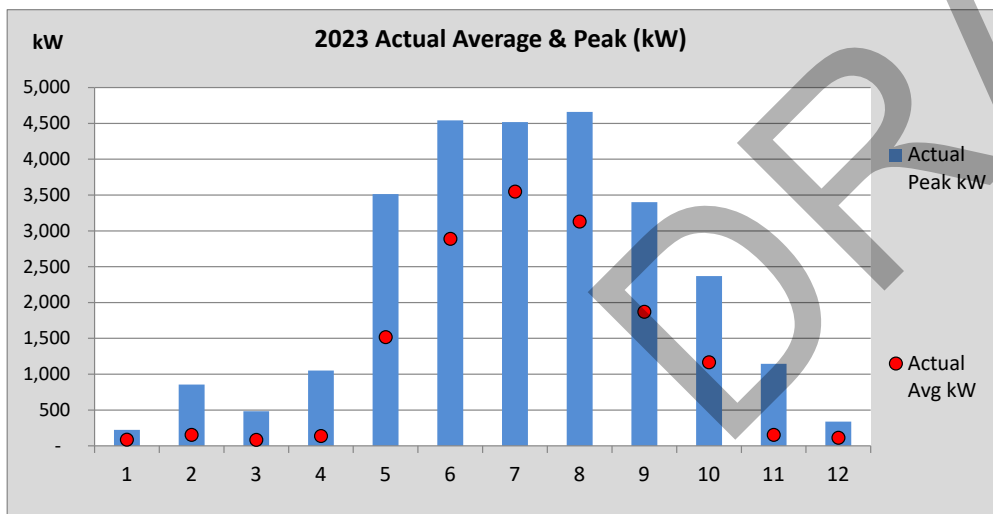
# West Stanislaus Irrigation District

## Energy Summary, Metered kWh

## West Stan

## 2023 Reconciliation Summary

	2023 Budget			2023 Actual			2022 Actual			Year-Over-Year Comparison, 2022 v 2021		
	Budget Peak kW	Budget Avg kW	Budget Load kWh	Actual Peak kW	Actual Avg kW	Actual Load kWh	Peak kW	Average kW	Load kWh	Peak kW	Average kW	Load kWh
Jan	1,428	621	461,793	223	87	64,740	155	84	62,583	44%	3%	3%
Feb	3,899	930	647,467	855	152	105,745	2,286	1,062	739,193	-63%	-86%	-86%
Mar	8,615	4,572	3,397,352	484	85	62,799	2,520	1,078	801,996	-81%	-92%	-92%
Apr	8,932	5,484	3,948,239	1,050	138	99,594	4,371	2,155	1,551,577	-76%	-94%	-94%
May	5,902	4,033	3,000,249	3,512	1,517	1,128,503	5,576	3,722	2,769,084	-37%	-59%	-59%
Jun	3,305	2,190	1,576,908	4,541	2,888	2,079,192	5,572	3,715	2,674,680	-19%	-22%	-22%
Jul	2,440	1,570	1,167,849	4,519	3,549	2,640,263	6,086	4,700	3,497,040	-26%	-25%	-25%
Aug	3,187	1,836	1,366,344	4,661	3,130	2,328,924	5,270	3,049	2,268,504	-12%	3%	3%
Sep	3,882	2,034	1,464,597	3,400	1,870	1,346,604	3,208	1,897	1,366,165	6%	-1%	-1%
Oct	4,437	2,217	1,649,299	2,370	1,166	867,472	2,380	1,596	1,187,395	0%	-27%	-27%
Nov	2,383	1,318	950,000	1,145	154	111,261	1,592	867	624,577	-28%	-82%	-82%
Dec	2,522	1,277	950,000	338	113	83,953	2,162	1,104	821,713	-84%	-90%	-90%
<b>2023</b>			<b>20,580,095</b>			<b>10,919,050</b>			<b>18,364,508</b>			<b>-41%</b>



# West Stanislaus Irrigation District

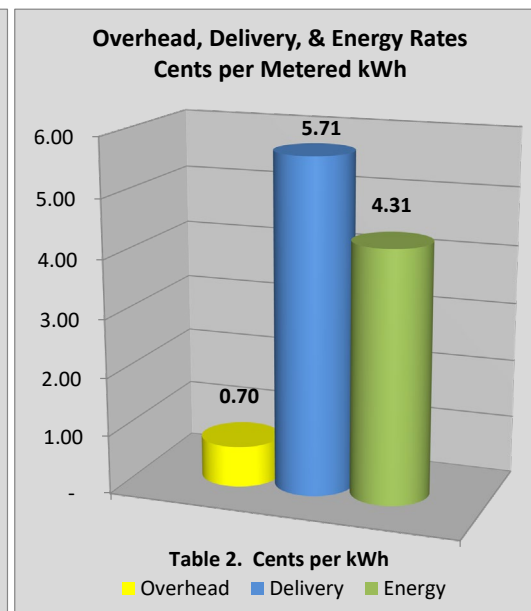
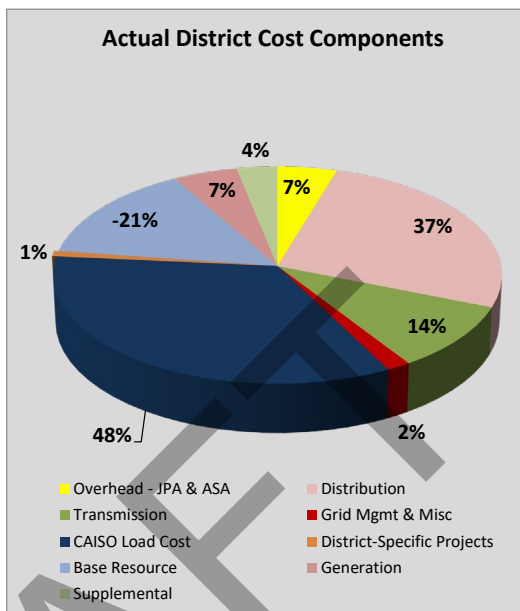
## Annual Cost Summary

	2023 Budget	2023 Actual	Compare	Cents/kWh
Total Metered kWh	20,580,095	10,919,050	-47%	
Overhead - JPA & ASA	\$ 90,181	\$ 76,595	-15%	0.70
Distribution	\$ 696,628	\$ 436,052	-37%	3.99
Transmission	\$ 365,822	\$ 160,882	-56%	1.47
Grid Mgmt & Misc	\$ 92,610	\$ 26,323	-72%	0.24
CAISO Load Cost	\$ 1,521,201	\$ 561,816	-63%	5.15
District-Specific Projects	\$ -	\$ 13,326	0%	0.12
Base Resource	\$ (274,797)	\$ (240,045)	-13%	(2.20)
Generation	\$ (34,423)	\$ 83,098	-341%	0.76
Supplemental	\$ 228,506	\$ 52,396	-77%	0.48
<b>Total Costs</b>	<b>\$ 2,685,728</b>	<b>\$ 1,170,443</b>	<b>-56%</b>	<b>10.72</b>

2% Loss Adjustment

	2023 Budget	2023 Actual	Compare
Total Metered kWh	20,580,095	10,919,050	-47%
Overhead	0.44	0.70	60%
Delivery	5.61	5.71	2%
Energy	7.00	4.31	-38%
<b>Total Costs</b>	<b>13.05</b>	<b>10.72</b>	<b>-18%</b>

\*\*Please note Table 1 & 2 do not include any P3 or direct consulting revenue/expenses.



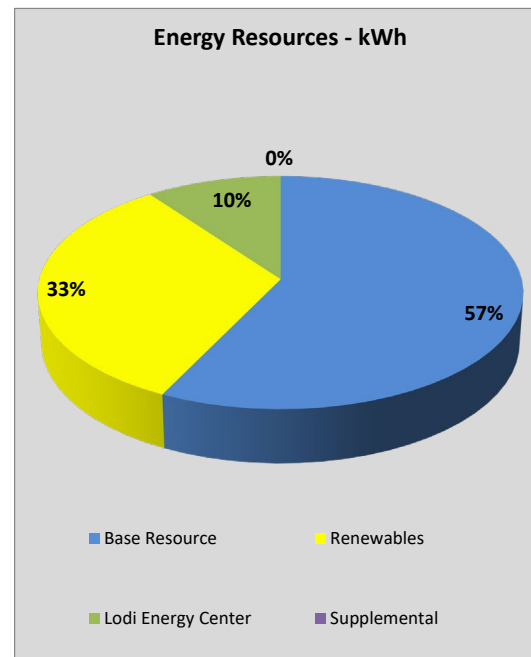
## 2023 Annual Resource Portfolio

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load	11,135,156	\$ 561,816	5.05	-	-	\$ 561,816	5.05
District Specific - Warm Springs	-	-	-	-	-	-	-
District Specific - BOR Payback	-	-	-	-	-	-	-
Base Resource	7,912,773	\$ 197,274	2.49	\$ (433,733)	(5.48)	\$ (236,459)	(2.99)
Base Resource Pooling	195,785	\$ 10,361	5.29	\$ (17,870)	(9.13)	\$ (7,509)	(3.84)
Generation - LEC	1,428,273	\$ 139,695	9.78	\$ (132,458)	(9.27)	\$ 7,237	0.51
Generation - Astoria	-	-	-	-	-	-	-
Generation - Whitney	-	-	-	-	-	-	-
Generation - Slate PV & BESS	4,627,143	\$ 204,056	4.41	\$ (191,780)	(4.14)	\$ 12,276	0.27
Supplemental - Fixed	-	-	-	-	-	-	-
Supplemental - Variable	-	-	-	-	-	-	-
CAISO Real-time Imbalance	(3,028,818)	-	-	-	-	-	-
<b>Total Loss Adjusted kWh</b>	<b>11,135,156</b>	<b>\$ 1,113,202</b>	<b>10.00</b>	<b>\$ (775,841)</b>	<b>(6.97)</b>	<b>\$ 337,362</b>	<b>3.03</b>

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load (DLF adj)	11,135,156	\$ 561,816	5.05	-	-	\$ 561,816	5.05
Base Resource	8,108,558	\$ 224,884	2.77	\$ (451,603)	(5.57)	\$ (226,719)	(2.80)
Renewables	4,627,143	\$ 204,056	4.41	\$ (191,780)	(4.14)	\$ 12,276	0.27
Lodi Energy Center	1,428,273	\$ 180,731	12.65	\$ (132,458)	(9.27)	\$ 48,273	3.38
Supplemental	-	-	-	-	-	-	-
RA, RECs & Carbon	-	\$ 52,396	-	-	-	\$ 52,396	-
<b>Resource Subtotal</b>	<b>14,163,974</b>	<b>\$ 662,067</b>	<b>4.67</b>	<b>\$ (775,841)</b>	<b>(5.48)</b>	<b>\$ (113,774)</b>	<b>(0.80)</b>
<b>Net Portfolio</b>	<b>11,135,156</b>	<b>\$ 1,223,883</b>	<b>10.99</b>	<b>\$ (775,841)</b>	<b>(6.97)</b>	<b>\$ 448,042</b>	<b>4.02</b>

Percent of Load Covered

127%



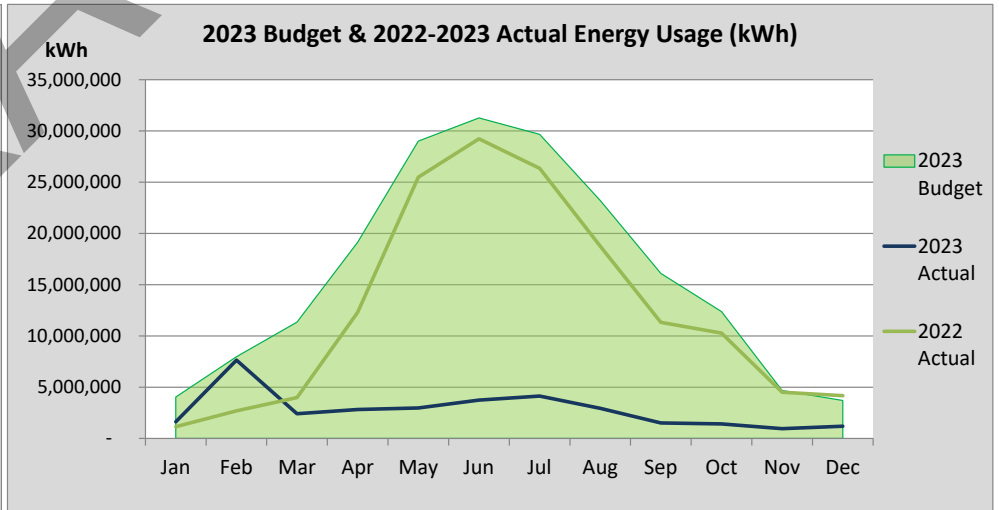
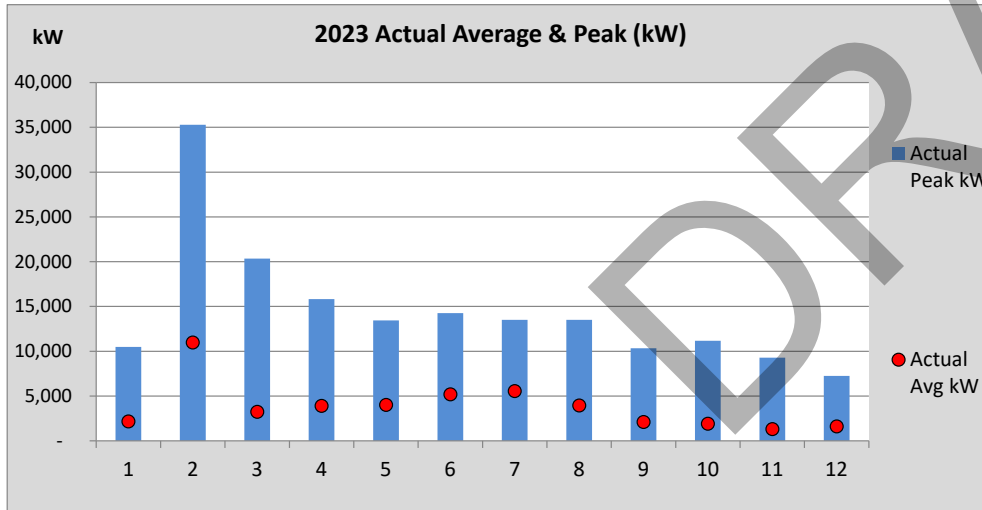
# Westlands Water District

## Energy Summary, Metered kWh

## Westlands

## 2023 Reconciliation Summary

	2023 Budget			2023 Actual			2022 Actual			Year-Over-Year Comparison, 2022 v 2021		
	Budget Peak kW	Budget Avg kW	Budget Load kWh	Actual Peak kW	Actual Avg kW	Actual Load kWh	Peak kW	Average kW	Load kWh	Peak kW	Average kW	Load kWh
Jan	13,143	5,427	4,038,033	10,494	2,168	1,613,234	4,896	1,536	1,142,445	114%	41%	41%
Feb	20,806	11,457	7,973,988	35,285	10,974	7,637,798	7,597	3,860	2,686,412	364%	184%	184%
Mar	29,681	15,261	11,338,670	20,351	3,239	2,406,663	13,123	5,364	3,990,707	55%	-40%	-40%
Apr	38,902	26,579	19,137,179	15,830	3,915	2,818,912	32,289	17,096	12,309,354	-51%	-77%	-77%
May	49,883	38,999	29,015,186	13,453	4,004	2,979,106	43,147	34,269	25,495,870	-69%	-88%	-88%
Jun	53,050	43,432	31,271,029	14,252	5,189	3,735,990	47,622	40,601	29,232,547	-70%	-87%	-87%
Jul	50,325	39,879	29,669,808	13,513	5,551	4,129,760	41,656	35,407	26,342,591	-68%	-84%	-84%
Aug	41,235	31,182	23,199,229	13,510	3,943	2,933,398	33,318	25,201	18,749,803	-59%	-84%	-84%
Sep	30,204	22,371	16,107,083	10,341	2,103	1,514,237	24,067	15,729	11,325,109	-57%	-87%	-87%
Oct	27,826	16,631	12,373,790	11,172	1,911	1,421,663	19,995	13,807	10,272,558	-44%	-86%	-86%
Nov	10,800	6,491	4,680,176	9,275	1,319	951,154	11,813	6,251	4,500,787	-21%	-79%	-79%
Dec	12,543	4,971	3,698,632	7,256	1,607	1,195,402	9,516	5,595	4,163,024	-24%	-71%	-71%
<b>2023</b>			<b>192,502,804</b>			<b>33,337,317</b>			<b>150,211,208</b>			<b>-78%</b>



# Westlands Water District

## Annual Cost Summary

**Table 1. District Cost Components**

	2023 Budget	2023 Actual	Compare	Cents/kWh
Total Metered kWh	192,502,804	33,337,317	-83%	
Overhead - JPA & ASA	\$ 897,062	\$ 823,484	-8%	2.47
Distribution	\$ 13,713,396	\$ 4,663,868	-66%	13.99
Transmission	\$ 7,370,508	\$ 1,235,354	-83%	3.71
Grid Mgmt & Misc	\$ 866,263	\$ 100,688	-88%	0.30
CAISO Load Cost	\$ 15,768,725	\$ 2,113,527	-87%	6.34
District-Specific Projects	\$ (406,409)	\$ (256,522)	-37%	(0.77)
Base Resource	\$ (2,642,266)	\$ (1,477,367)	-44%	(4.43)
Generation	\$ 429,926	\$ 986,175	129%	2.96
Supplemental	\$ 1,299,003	\$ 139,720	-89%	0.42
<b>Total Costs</b>	<b>\$ 37,296,208</b>	<b>\$ 8,328,927</b>	<b>-78%</b>	<b>24.98</b>

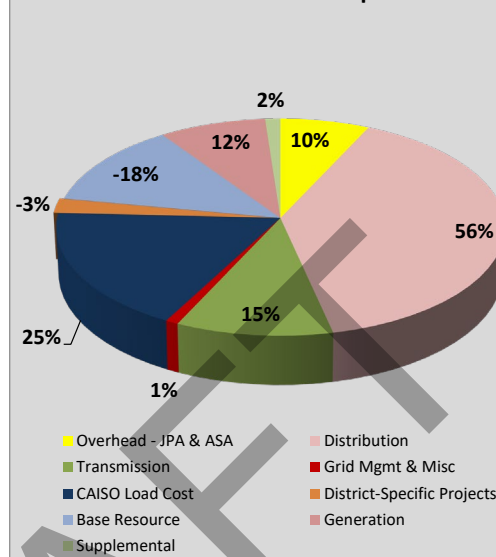
6% Loss Adjustment

**Table 2. Cents per kWh**

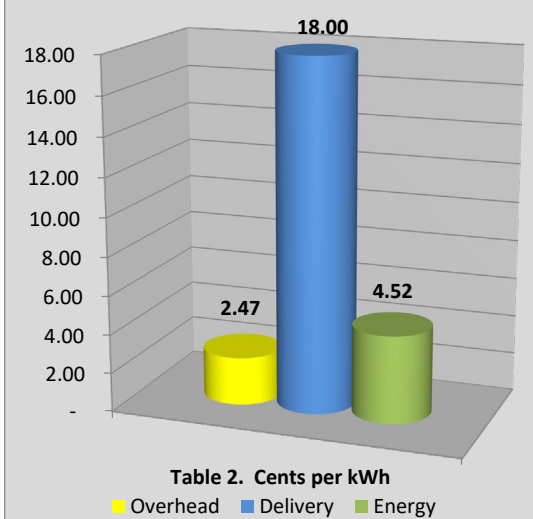
	2023 Budget	2023 Actual	Compare
Total Metered kWh	192,502,804	33,337,317	-83%
Overhead	0.47	2.47	430%
Delivery	11.40	18.00	58%
Energy	7.51	4.52	-40%
<b>Total Costs</b>	<b>19.37</b>	<b>24.98</b>	<b>29%</b>

\*\*Please note Table 1 & 2 do not include any P3 or direct consulting revenue/expenses.

**Actual District Cost Components**



**Overhead, Delivery, & Energy Rates  
Cents per Metered kWh**



**Table 2. Cents per kWh**

Overhead Delivery Energy

## 2023 Annual Resource Portfolio

**Table 3. Load & Energy Resources (Energy Cost Only)**

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load	35,501,650	\$ 2,113,527	5.95	-	-	\$ 2,113,527	5.95
District Specific - Warm Springs	-	-	-	-	-	-	-
District Specific - BOR Payback	5,125,000	\$ -	-	\$ (256,522)	(5.01)	\$ (256,522)	(5.01)
Base Resource	76,084,075	\$ 1,977,078	2.60	\$ (4,170,494)	(5.48)	\$ (2,193,416)	(2.88)
Base Resource Pooling	(54,990,617)	\$ (2,220,842)	4.04	\$ 2,899,171	(5.27)	\$ 678,328	(1.23)
Generation - LEC	8,261,686	\$ 808,050	9.78	\$ (766,186)	(9.27)	\$ 41,863	0.51
Generation - Astoria	9,409,586	\$ 602,942	6.41	\$ (278,484)	(2.96)	\$ 324,459	3.45
Generation - Whitney	7,498,816	\$ 440,556	5.88	\$ (213,007)	(2.84)	\$ 227,549	3.03
Generation - Slate PV & BESS	9,550,815	\$ 500,487	5.24	\$ (447,485)	(4.69)	\$ 53,003	0.55
Supplemental - Fixed	-	\$ -	-	\$ -	-	\$ -	-
Supplemental - Variable	-	\$ -	-	\$ -	-	\$ -	-
CAISO Real-time Imbalance	(25,437,712)	-	-	-	-	-	-
<b>Total Loss Adjusted kWh</b>	<b>35,501,650</b>	<b>\$ 4,221,797</b>	<b>11.89</b>	<b>\$ (3,233,006)</b>	<b>(9.11)</b>	<b>\$ 988,791</b>	<b>2.79</b>

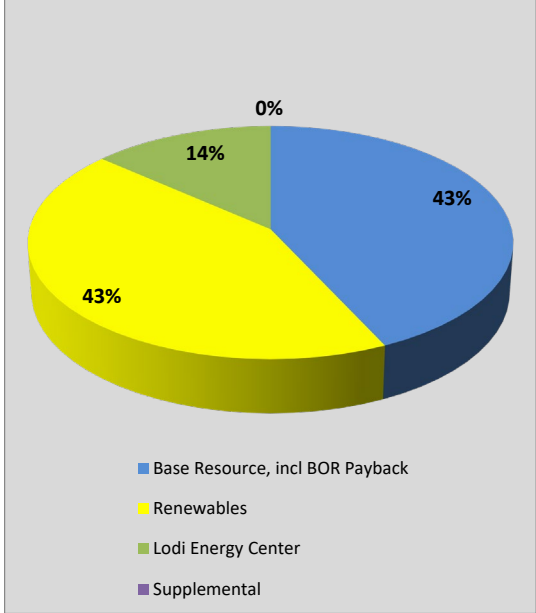
**Table 4. Resource Summary (Total Cost with Overheads)**

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load (DLF adj)	35,501,650	\$ 2,113,527	5.95	-	-	\$ 2,113,527	5.95
Base Resource, incl BOR Payback	26,218,458	\$ (206,043)	(0.79)	\$ (1,527,845)	(5.83)	\$ (1,733,888)	(6.61)
Renewables	26,459,217	\$ 1,593,914	6.02	\$ (938,975)	(3.55)	\$ 654,939	2.48
Lodi Energy Center	8,261,686	\$ 1,045,417	12.65	\$ (766,186)	(9.27)	\$ 279,230	3.38
Supplemental	-	\$ -	-	\$ -	-	\$ -	-
RA, RECs & Carbon	-	\$ 139,720	-	-	-	\$ 139,720	-
<b>Resource Subtotal</b>	<b>60,939,362</b>	<b>\$ 2,573,007</b>	<b>4.22</b>	<b>\$ (3,233,006)</b>	<b>(5.31)</b>	<b>\$ (659,999)</b>	<b>(1.08)</b>
<b>Net Portfolio</b>	<b>35,501,650</b>	<b>\$ 4,686,534</b>	<b>13.20</b>	<b>\$ (3,233,006)</b>	<b>(9.11)</b>	<b>\$ 1,453,528</b>	<b>4.09</b>

Percent of Load Covered

172%

**Energy Resources - kWh**





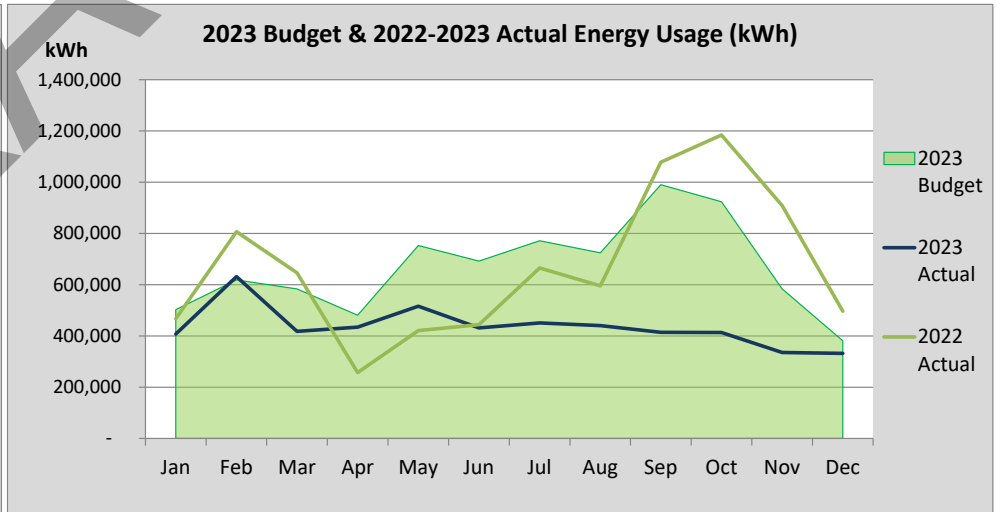
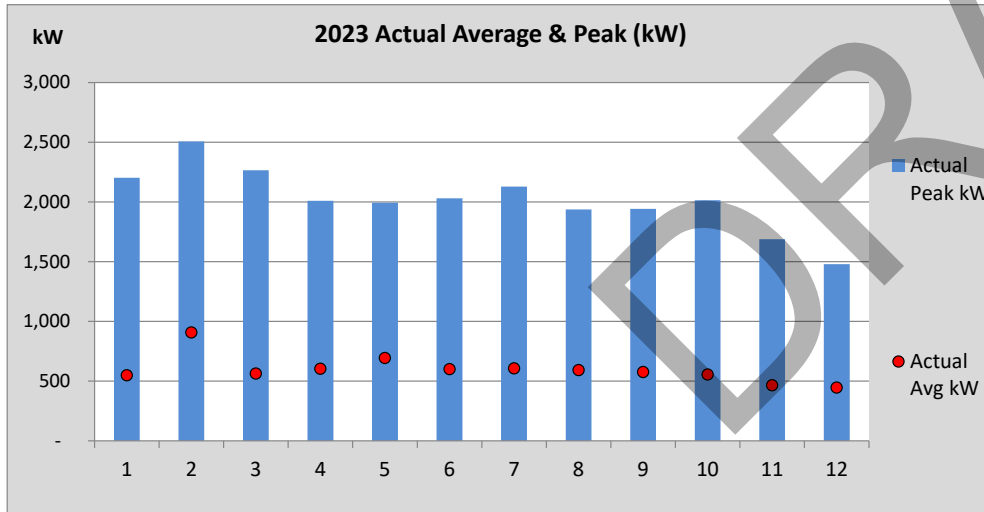
# Zone 7 Water Agency

## Energy Summary, Metered kWh

## Zone 7

## 2023 Reconciliation Summary

	2023 Budget			2023 Actual			2022 Actual			Year-Over-Year Comparison, 2022 v 2021		
	Budget Peak kW	Budget Avg kW	Budget Load kWh	Actual Peak kW	Actual Avg kW	Actual Load kWh	Peak kW	Average kW	Load kWh	Peak kW	Average kW	Load kWh
Jan	1,338	676	502,819	2,204	548	407,589	2,121	628	467,283	4%	-13%	-13%
Feb	2,088	889	618,532	2,506	907	631,504	2,040	1,159	806,705	23%	-22%	-22%
Mar	1,084	785	583,602	2,265	563	418,030	2,020	869	646,199	12%	-35%	-35%
Apr	1,087	668	481,068	2,010	604	434,660	1,713	357	257,038	17%	69%	69%
May	1,593	1,012	752,741	1,994	694	516,125	1,891	565	420,620	5%	23%	23%
Jun	1,638	961	691,763	2,030	599	431,576	2,134	617	444,307	-5%	-3%	-3%
Jul	1,984	1,037	771,183	2,129	606	451,061	2,341	894	665,442	-9%	-32%	-32%
Aug	1,933	973	724,189	1,937	592	440,175	2,399	801	595,650	-19%	-26%	-26%
Sep	2,186	1,375	990,259	1,943	576	414,395	2,499	1,497	1,077,801	-22%	-62%	-62%
Oct	2,947	1,242	923,730	2,014	556	413,377	2,342	1,592	1,184,142	-14%	-65%	-65%
Nov	2,779	809	583,277	1,688	465	335,565	2,325	1,262	908,935	-27%	-63%	-63%
Dec	1,877	512	380,829	1,480	446	331,921	1,022	667	496,301	45%	-33%	-33%
<b>2023</b>			<b>8,003,990</b>			<b>5,225,975</b>			<b>7,970,423</b>			<b>-34%</b>



# Zone 7 Water Agency

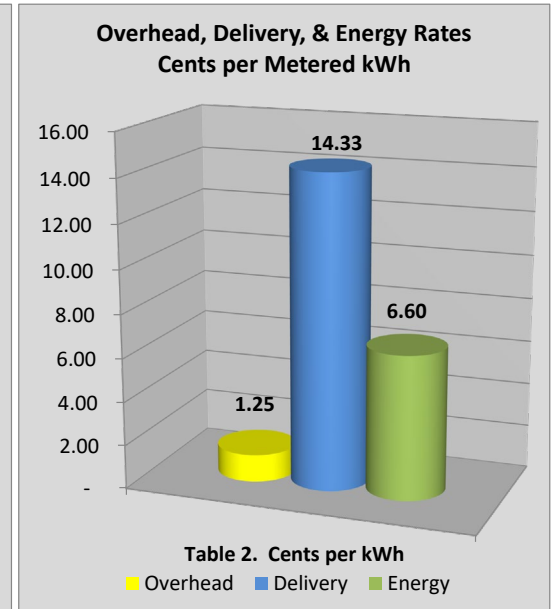
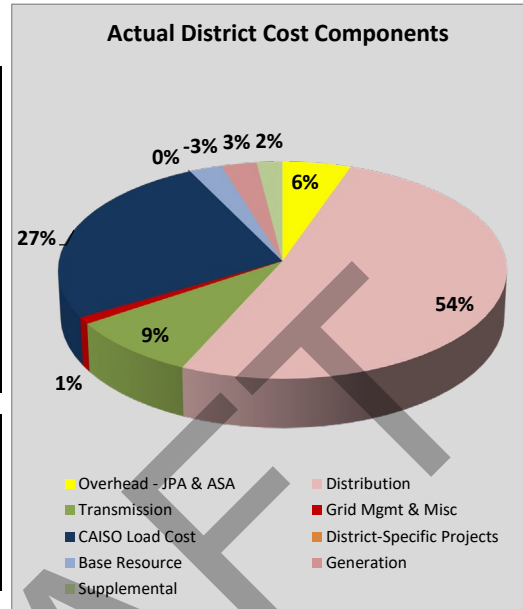
## Annual Cost Summary

	2023 Budget	2023 Actual	Compare	Cents/kWh
Total Metered kWh	8,003,990	5,225,975	-35%	
Overhead - JPA & ASA	\$ 71,800	\$ 65,424	-9%	1.25
Distribution	\$ 547,907	\$ 628,344	15%	12.02
Transmission	\$ 158,742	\$ 108,225	-32%	2.07
Grid Mgmt & Misc	\$ 36,018	\$ 12,064	-67%	0.23
CAISO Load Cost	\$ 630,383	\$ 318,076	-50%	6.09
District-Specific Projects	\$ -	\$ -	0%	-
Base Resource	\$ (11,818)	\$ (31,275)	165%	(0.60)
Generation	\$ 2,922	\$ 33,695	1053%	0.64
Supplemental	\$ 41,529	\$ 24,515	-41%	0.47
<b>Total Costs</b>	<b>\$ 1,477,483</b>	<b>\$ 1,159,067</b>	<b>-22%</b>	<b>22.18</b>

2% Loss Adjustment

	2023 Budget	2023 Actual	Compare
Total Metered kWh	8,003,990	5,225,975	-35%
Overhead	0.90	1.25	40%
Delivery	9.28	14.33	54%
Energy	8.28	6.60	-20%
<b>Total Costs</b>	<b>18.46</b>	<b>22.18</b>	<b>20%</b>

\*\*Please note Table 1 & 2 do not include any P3 or direct consulting revenue/expenses.



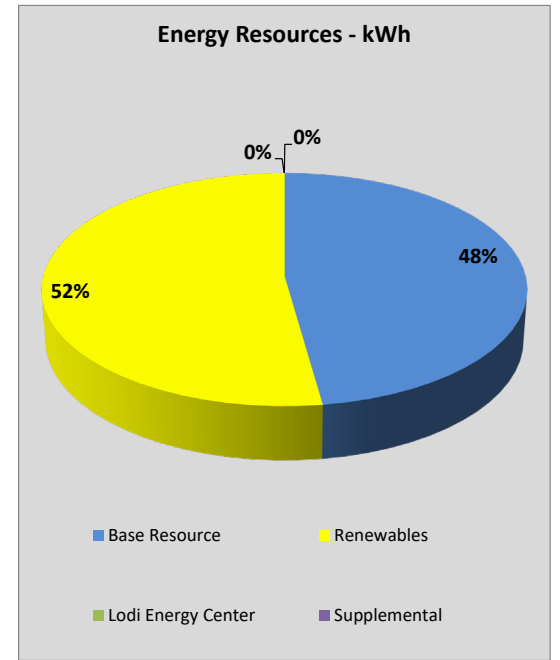
## 2023 Annual Resource Portfolio

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load	5,323,119	\$ 318,076	5.98	-	-	\$ 318,076	5.98
District Specific - Warm Springs	-	-	-	-	-	-	-
District Specific - BOR Payback	-	-	-	-	-	-	-
Base Resource	340,299	\$ 6,102	1.79	\$ (18,653)	(5.48)	\$ (12,552)	(3.69)
Base Resource Pooling	1,491,698	\$ 61,383	4.11	\$ (80,275)	(5.38)	\$ (18,892)	(1.27)
Generation - LEC	-	-	-	-	-	-	-
Generation - Astoria	408,769	\$ 26,193	6.41	\$ (12,098)	(2.96)	\$ 14,095	3.45
Generation - Whitney	499,866	\$ 29,367	5.88	\$ (14,199)	(2.84)	\$ 15,168	3.03
Generation - Slate PV & BESS	1,095,009	\$ 31,769	2.90	\$ (34,627)	(3.16)	\$ (2,858)	(0.26)
Supplemental - Fixed	-	-	-	-	-	-	-
Supplemental - Variable	-	-	-	-	-	-	-
CAISO Real-time Imbalance	1,487,478	-	-	-	-	-	-
<b>Total Loss Adjusted kWh</b>	<b>5,323,119</b>	<b>\$ 472,889</b>	<b>8.88</b>	<b>\$ (159,852)</b>	<b>(3.00)</b>	<b>\$ 313,037</b>	<b>5.88</b>

	Energy kWh	Costs	Cents/kWh	Resource Credits	Cents/kWh	Net Cost/Credit	Cents/kWh
CAISO Load (DLF adj)	5,323,119	\$ 318,076	5.98	-	-	\$ 318,076	5.98
Base Resource	1,831,997	\$ 67,654	3.69	\$ (98,928)	(5.40)	\$ (31,275)	(1.71)
Renewables	2,003,644	\$ 90,420	4.51	\$ (60,924)	(3.04)	\$ 29,496	1.47
Lodi Energy Center	-	-	-	-	-	-	-
Supplemental	-	-	-	-	-	-	-
RA, RECs & Carbon	-	\$ 24,515	-	-	-	\$ 24,515	-
<b>Resource Subtotal</b>	<b>3,835,641</b>	<b>\$ 182,589</b>	<b>4.76</b>	<b>\$ (159,852)</b>	<b>(4.17)</b>	<b>\$ 22,737</b>	<b>0.59</b>
<b>Net Portfolio</b>	<b>5,323,119</b>	<b>\$ 500,665</b>	<b>9.41</b>	<b>\$ (159,852)</b>	<b>(3.00)</b>	<b>\$ 340,812</b>	<b>6.40</b>

Percent of Load Covered

72%



**ATTACHMENT B**

**ANNUAL RECONCILIATION STATEMENT FOR CONTRACT YEAR 2023**

**DRAFT**  
**POWER AND WATER RESOURCES POOLING AUTHORITY**  
**2023 ANNUAL RECONCILIATION STATEMENT**  
**Power - P-3**

**2023 POWER RECONCILIATION**

Participant	Beginning Reserves		2023 Expenses			2023 Payments			2023 over (under) Balance	Funds on Deposit Deposit/(Refunds)	Ending 2023	Ending 2023 Reserves			2023 Over / (Under) Funded
	2022 Ending Reserve	2022 Ending Funds on Deposit	Power	Participant Adjustments	Total Expenses	Amount Paid	Allocated Interest	Total Payments				Reserves	Funds on Deposit	Total	
Arvin-Edison WSD	\$ 2,801,470.00	\$ -	\$ 14,031,202.55	\$ 34,262.42	\$ 14,065,464.97	\$ 14,483,934.21	\$ 173,296.22	\$ 14,657,230.43	\$ 591,765.46	\$ -	\$ 3,393,235.46	\$ 3,005,100.00	\$ -	\$ 3,005,100.00	\$ 388,135.46
Banta Carbona ID	476,650.00	22,476.04	1,450,104.97	13,455.27	1,463,560.24	1,648,450.55	26,260.84	1,674,711.39	211,151.15	-	710,277.19	440,700.00	22,476.04	463,176.04	247,101.15
Byron-Bethany ID	67,450.00	57,887.44	368,588.28	941.67	369,529.95	485,599.21	6,117.40	491,716.61	122,186.66	-	247,524.10	67,900.00	57,887.44	125,787.44	121,736.66
Cawelo WD	308,350.00	851,845.46	2,471,417.44	25,526.56	2,496,944.00	2,730,092.66	50,991.01	2,781,083.67	284,139.67	(851,845.46)	592,489.67	352,000.00	-	352,000.00	240,489.67
Glenn-Colusa ID	244,570.00	118,183.47	1,234,485.18	1,839.58	1,236,324.76	1,382,393.16	19,822.95	1,402,216.11	165,891.35	-	528,644.82	246,800.00	118,183.47	364,983.47	163,661.35
James ID	94,760.00	43,291.60	255,205.30	(925.65)	254,279.65	267,293.92	5,388.09	272,682.01	18,402.36	-	156,453.96	82,600.00	43,291.60	125,891.60	30,562.36
Lower Tule ID	221,520.00	-	1,303,714.06	(415.17)	1,303,298.89	1,477,984.49	13,856.35	1,491,840.84	188,541.95	-	410,061.95	234,800.00	-	234,800.00	175,261.95
Princeton ID	65,660.00	-	525,463.20	464.83	525,928.03	611,262.58	5,049.94	616,312.52	90,384.49	-	156,044.49	68,700.00	-	68,700.00	87,344.49
RD 108	95,430.00	42,539.61	449,731.16	1,968.49	451,699.65	514,771.50	6,570.98	521,342.48	69,642.83	17,460.39	225,072.83	88,500.00	60,000.00	148,500.00	76,572.83
Santa Clara Valley WD	546,560.00	570,943.29	3,214,655.99	5,857.61	3,220,513.60	3,623,799.42	51,641.08	3,675,440.50	454,926.90	(5,144.35)	1,567,285.84	564,200.00	565,798.94	1,129,998.94	437,286.90
Sonoma County WA	908,260.00	753,745.63	3,844,065.35	(2,761.09)	3,841,304.26	4,239,874.31	77,530.61	4,317,404.92	476,100.66	(49,175.15)	2,088,931.14	911,800.00	704,570.48	1,616,370.48	472,560.66
West Stanislaus ID	440,020.00	282,746.34	1,157,117.28	7,085.02	1,164,202.30	1,422,512.82	32,005.41	1,454,518.23	290,315.93	-	1,013,082.27	424,700.00	282,746.34	707,446.34	305,635.93
Westlands WD	3,551,710.00	573,595.81	8,342,252.58	224,615.40	8,566,867.98	8,137,412.37	165,977.77	8,303,390.14	(263,477.84)	-	3,861,827.97	3,323,700.00	573,595.81	3,897,295.81	(35,647.84)
Zone 7	177,590.00	28,012.40	1,159,067.26	(642.31)	1,158,424.95	1,230,259.82	10,456.15	1,240,715.97	82,291.02	-	287,893.42	188,500.00	28,012.40	216,512.40	71,381.02
<b>Total</b>	<b>\$ 10,000,000.00</b>	<b>\$ 3,345,267.09</b>	<b>\$ 39,807,070.60</b>	<b>\$ 311,272.63</b>	<b>\$ 40,118,343.23</b>	<b>\$ 42,255,641.02</b>	<b>\$ 644,964.80</b>	<b>\$ 42,900,605.82</b>	<b>\$ 2,782,262.59</b>	<b>\$ (888,704.57)</b>	<b>\$ 15,238,825.11</b>	<b>\$ 10,000,000.00</b>	<b>\$ 2,456,562.52</b>	<b>\$ 12,456,562.52</b>	<b>\$ 2,782,262.59</b>

a b c d e f g h i j k l m n o p

notes:

- a = Participating Agencies
- b = Per 2022 Reconciliation Statement Column "m"
- c = Per 2022 Reconciliation Statement Column "n"
- d = Per RBI 2023 RBI annual reconciliation
- e = Prior year and Direct Consulting
- f = (d+e)
- g = Amount paid to PWRPA for 2023 including transfers of Cap & Trade Fund revenue for RPS
- h = Interest earned on FOD, Reserves, CAISO Collateral for 2023
- i = (g+h) = Total funds collected and applied as payment
- j = 2023 Total Payments less Total Expenses (i-f)
- k = Refunds or deposits during the year applied to Funds on Deposit
- l = (b+c+j+k)
- m = \$10,000,000 Reserve allocated on Exhibit B approved in April 2024
- n = Funds held on deposit (c+k)
- o = 2023 FOD and Reserve total (m+n)
- p = 2023 available refund or payment required (l-o)
- q = 2023 P-3 funding level (d x 2.85%)
- r = Amount Paid for 2023 P-3
- s = Interest earned on P-3 for 2023
- t = 2023 P-3 available refund or payment required (r+s-q)

**2023 P-3 RECONCILIATION**

Participant	2023				2023 Over / (Under) Funded
	Power Expense	P-3 Requirement	Amount Paid	Allocated Interest	
Arvin-Edison WSD	\$ 14,031,202.55	\$ 399,889.27	\$ 435,592.12	\$ 11,042.40	\$ 46,745.25
Banta Carbona ID	1,450,104.97	41,327.99	46,980.83	4,808.40	10,461.24
Byron-Bethany ID	368,588.28	10,504.77	13,252.40	694.13	3,441.76
Cawelo WD	2,471,417.44	70,435.40	77,807.64	3,801.32	11,173.56
Glenn-Colusa ID	1,234,485.18	35,182.83	37,269.19	2,573.18	4,659.54
James ID	255,205.30	7,273.35	7,617.89	1,572.10	1,916.64
Lower Tule ID	1,303,714.06	37,155.85	42,122.57	1,559.46	6,526.18
Princeton ID	525,463.20	14,975.70	17,420.97	689.68	3,134.95
RD 108	449,731.16	12,817.34	13,840.26	1,757.28	2,780.20
Santa Clara Valley WD	3,214,655.99	91,617.70	103,278.29	3,681.24	15,341.83
Sonoma County WA	3,844,065.35	109,555.86	120,836.42	12,934.59	24,215.15
West Stanislaus ID	1,157,117.28	32,977.84	40,541.61	2,282.74	9,846.51
Westlands WD	8,342,252.58	237,754.20	243,316.28	37,848.31	43,410.39
Zone 7	1,159,067.26	33,033.42	35,062.39	2,585.82	4,614.79
<b>Total</b>	<b>\$ 39,807,070.60</b>	<b>\$ 1,134,501.52</b>	<b>\$ 1,234,938.86</b>	<b>\$ 87,830.65</b>	<b>\$ 188,267.99</b>

a d q r s t