

Northern California Power Agency 651 Commerce Drive | Roseville, California 95678 (916) 781-3636 | www.ncpa.com

# BUSINESS PROGRESS REPORT

2023 October

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# **Generation Costs & Reliability**

# **Combustion Turbine Project**

# Unit Operation for September 2023

Unit	Availa	ability	Pr	oduction		Reason for Run	
CT1 Alameda	Unit 1	Unit 2	Unit 1	0.0	MWh	No Runs. / No Runs.	
Curtailments, Outa	100.0% des. and C	100.0% Comments	Unit 2	0.0	MWh		
Unit 1:	06/28 - 09/25: AT&T comms service failure, requires 3 hour start time for local start. OMS 13812250.						
Unit 2:		9/25: AT& t. OMS 13		ervice fail	ure, requ	iires 3 hour start time for	
Unit	Availa	ability	Pr	oduction		Reason for Run	
CT1 Lodi	100.	00%		0.0	MWh	No Runs.	
Curtailments, Outa Normal O	-	Comments	:				
Unit	Availa	ability	Pr	oduction		Reason for Run	
CT2 STIG	99.	6%		0.0	MWh	No Runs.	
Curtailments, Outa	ges, and C	Comments	:				
			f cooling wa 6; Telemeti			utage, OMS 14209778 4289191	
Unit	Availa	ability	Pr	oduction		Reason for Run	
LEC	98.	5%		31,971	MWh	CAISO	
Curtailments, Outa	ges, and C	Comments	:				
09/01 @ 07:35 - 18:05; STG GSU Gas Analyzer Trouble, OMS 14209775 09/13 @ 22:00 - 09/25 @ 15:46; Telemetry Outage, OMS 14282008							

Maintenance Summary – Specific per asset above.

# **Geothermal Facilities**

Unit	Ava	ilability	Net Electricity Generated/Water Delivered		Out-of-Service/Descriptors
Unit 1	0	%	0	MWh	U1 down for outage
Unit 2	100	%	30,119	MWh	U2 in service
Unit 3	N/A	%	N/A	-	Unit 3 remains out of service.
Unit 4	100	%	12,988	MWh	U4 out of service on 9/12/2023 for maintenance
Southeast Geysers Effluent Pipeline	100	%	173.9	mgallons	Average flow 3,875 gpm rate:
Southeast Solar Plant	N/A		98,979	KWh	Year-to-date 1,221,119 KWh:
Bear Canyon Pump Station Zero Solar	N/A		68,904	KWh	Year-to-date 972,457 KWh:

# Availability/Production for September 2023

\* Accounts for an additional 1,529 MWh of house load for the 21KV power supply to the effluent pipeline supplied from Unit #2.

# Hydroelectric Project

# Availability/Production for September 2023

Units	Availability	Net Electricity Generated	Out-of-Service
Collierville Unit 1	98.22%	16506 MWh	CV Unit 1 – Out of Service on 9/30/23 from 0604 to 1849 for Dual Unit intake and trash rack outage.
Collierville Unit 2	98.15%	8868 MWh	CV Unit 2 – Out of Service on 9/30/23 from 0604 to 1922 for Dual Unit intake and trash rack outage.
Spicer Unit 1	85.68%	937 MWh	NSM1- Out of Service on 9/11/23 to 9/14/23 from 0801 to 1355 for Annual Maintenance and on 9/21/23 from 0826 to 1831 for PGE DTT comm outage and on 9/21/23 to 9/22/23 from 1831 to 0934 for 21KV CB22 Trouble.
Spicer Unit 2	88.82%	1211 MWh	NSM2- Out of Service on 9/18/23 to 9/20/23 from 0803 to 1516 for Annual Maintenance and on 9/21/23 from 0826 to 1831 for PGE DTT comm outage and on 9/21/23 to 9/22/23 from 1831 to 0941 for 21KV CB22 Trouble.
Spicer Unit 3	89.44%	218 MWh	NSM3- Out of Service on 9/5/23 to 9/7/23 from 0859 to 1202 for Annual Maintenance and on 9/21/23 from 0826 to 1831 for PGE DTT comm outage and on 9/21/23 to 9/22/23 from 1831 to 0922 for 21KV CB22 Trouble.

**Operations & Maintenance Activities:** 

- CMMS work orders
- DSOD Annual Inspections
- FERC Annual Inspections
- New Spicer Meadows Powerhouse Annual Maintenance Outages
- Collierville/McKays Annual Dual Unit outage and Intake cleanout
- BC and NF Diversion Dams Drain/Cleanout
- Snow Damage Repairs by Contractor at NSM and Alpine
- Continuing design for snow damaged facilities
- Submitted Grant Applications for DOE 247

# Environmental, Health & Safety (EH&S) Projects Incident Reports

- There were no Lost Time or Cal OSHA Recordable accidents in the month of August. There were two vehicle accidents. At Hydro, the driver's side door of a bucket truck was damaged while an employee was working at the Collierville powerhouse. At Geo, an employee descending a dirt road that was still slick from recent rain lost traction and slid down the road into a small pine tree. Damage to both vehicles was minor. Neither accident resulted in injury, so they are not recordable or reportable.
- Find below a Safety Report that highlights the following areas: recordable incidents and lost time accidents (LTAs) reported this period and this calendar year; the number of days since last recordable or LTA; the number of work hours since last recordable or LTA; and vehicle accidents reported this month and this calendar year. In September of 2012, Generation Services completed an internal audit of its records with the results reflected in this report and was updated through the payroll period ended September 23, 2023.
- The "CT Group" column reflects the combined safety numbers of all CT employees. Beginning with the November 2009 report, the CT Group Column also includes Lodi Energy Center staff.

	Hydro	GEO	CT Group *	NCPA HQ **
Cal OSHA Recordable (this month)	0	0	0	0
Cal OSHA Recordable (calendar year)	0	2	1	0
Days since Recordable	1,047	89	78	4,076
Work Hours Since Last Recordable	91,851	17,467	17,962	3,000,334
LTA's (this month)	0	0	0	0
LTA's (calendar year)	0	1	0	0
Days without LTA	5,826	108	10,996	7,089
Work Hours without LTA	524,420	21,322	888,207	2,622,352
Vehicle Incident (month)	1	1	0	0
Vehicle Incident (calendar year)	1	4	1	0

# September 2023 Generation Services Safety Report

- \* CT Group: Combines CT-1, CT-2 and LEC Operations
- \*\* NCPA HQ: Roseville employees at the Main Office

Data originates from OSHA logs, HR records and payroll information. Days and Hours are calculated through pay period ended September 23, 2023.

# Power Management/NCPA Market Results

# **Dispatch and Schedule Coordination**

- NCPA Dispatch and Schedule Coordination Center safely, reliably, and economically schedules, monitors, and manages NCPA and NCPA member power resources and loads 24 hours per day, 7 days per week on a continuous basis. This process includes balancing MSSA loads and resources on a 5-minute basis, optimizing NCPA resources and minimizing ISO costs.
- NCPA MSSA Load Data:

	September 2023		Calendar Year 2023		
	Peak MW MWh		Peak MW	MWh	
NCPA Pool	358.78 9/11 @ 1800	186,636	440.7 8/15 @ 1700	1,710,530	
SVP	612.63 9/13 @ 1800	381,886	669.22 8/23 @ 1600	3,436,289	
MSSA	971.18 9/13 @ 1800	568,522	1103.22 8/23 @ 1700	5,146,819	

# Current Year 2023 Data

# Last Year 2022 Data\*

	September 2022		Calendar Year 2022		
	Peak MW MWh		Peak MW	MWh	
NCPA Pool	511.56 9/6 @ 1600	204,678	511.56 9/6 @ 1600	1,722,726	
SVP	687.74 9/6 @ 1300	391,637	687.74 9/6 @ 1300	3,378,925	
MSSA	1176.2 9/6 @ 1400	596,315	1176.2 9/6 @ 1400	5,101,651	

\*Last year's data added for comparison purposes only

# System Peak Data

	All Time Peak Demand	2023 Peak Demand
NCPA Pool	517.83 MW on 7/24/06 @ 1500	440.7 8/15 @ 1700
SVP	687.74 MW on 9/6/22 @ 1300	669.22 8/23 @ 1600
MSSA	1176.20 MW on 9/6/22 @ 1400	1103.22 8/23 @ 1700

 NCPA MSSA has a Deviation Band with the CAISO, which is used as a performance measure by the CAISO. The ability to stay within this Deviation Band is a measure of NCPA Dispatch's ability to balance the MSSA Loads and Resources on a 5minute basis. The following NCPA Deviation Band Performance table includes all deviations, including deviations from unit forced outages, metering and load outages, COTP, Western, and WECC curtailments.

NCPA Deviation Band Performance					
September 2023 Calendar Year 202					
MSSA % Within the Band	97.29%	97.38%			

# CAISO Real-time Contingency Dispatches (RTCD):

1. 2103 hours, 9/14/23

# CAISO Energy Emergency Alerts (EEA):

None

# PG&E Public Safety Power Shut-off (PSPS)

- 1. 09/20/23 9/21/23: PG&E Issued a PSPS Alert for August 30-31, 2023, for the following counties:
  - a. Butte, Colusa, Glenn, Lake, Napa, Shasta, Tehama, and Yolo

# Pooling, Portfolio Planning & Forecasting

- NCPA Pool loads during September 2023 were 186,637 MWh versus the budget forecast of 197,849 MWh, resulting in a forecast error of 6.01%. The current weather outlook for the remainder of October 2023 is for near normal temperatures. The Pool's October load forecast is 190,564 MWh compared with extrapolated actuals of 189,618 MWh as of October 16, 2023.
- Lodi Energy Center (LEC) ran 132 hours and produced 31,973 MWh. Due to the gas constraints Southern California LEC is expected to run during the third week of October.
- During September 2023, 0.90" of rain was recorded at the Big Trees gauge. September average rainfall at Big Trees is 0.90".
- The Value of Storage (VOS) of New Spicer Meadow Reservoir (NSMR) has been maintained at \$90/MWh. Releases from NSMR ranged from 140cfs to 350cfs during September.
- New Spicer Meadows storage as of September 30, 2023 was 145,696 acre feet. The historical average storage at the end of September is 103,620 acre feet. As of October 16<sup>th,</sup> storage was 135,287 acre feet.
- Combined Calaveras Project generation for the Pool in September 2023 totaled 14,233MWh, down from 15,608MWh in August 2023.
- Western Base Resource (BR) deliveries for the Pool during September 2023 were 33,033 MWh. The Displacement Program provided an additional hedge of 3,579 MWh in the form of an NP15 Inter-Schedule Coordinator Trade (IST). The Pool's share of expected total delivery from the Western Base Resource for October 2023 is 30,100 MWh, with 15,913 MWh having already been delivered. The POOL also received another 1,804 MWh in the form of an NP15 IST through October 16, 2023.
- The PG&E Citygate gas index averaged \$3.67 / MMBtu during the month of September as compared to an average of \$5.18 for August. October's 2023 average City Gate gas price was \$4.81 through the 16<sup>th</sup>. The PG&E Citygate forward price for November 2023 is \$6.24 / MMBtu.

 Day-Ahead PG&E DLAP electricity prices for September averaged \$45.61 / MWh On-Peak and \$41.51 Off-Peak, with a high of \$106.12 and a low of \$16.73. DLAP prices have averaged \$64.31 On-Peak and \$54.61 Off-Peak for the period October 1<sup>st</sup> through the 16<sup>th</sup>, with a low price of \$24.00 and a high of \$195.30. The forward power prices for November are \$72.78 On-Peak and \$72.78 Off-Peak.

# Industry Restructuring, Contracts and Interconnection Affairs

# **Resource Adequacy Compliance Filings**

- NCPA made the following Resource Adequacy compliance filings with the CAISO for the compliance period of December 2023:
  - Monthly System Resource Adequacy Demonstration (filed October 17, 2023)
  - Monthly Supply Plan (filed October 17, 2023)

# Industry Restructuring

NCPA is actively participating in a number of CAISO stakeholder initiatives on behalf of the Members. The following is a brief description of key active initiatives:

# **Resource Adequacy Modeling and Program Design**

CAISO's proposed problem statement topics

- Overall system reliability information
  - a. RA Portfolio Evaluation does not exist today
  - b. Lack of Non-RA Visibility
  - c. Outdated Default Planning Reserve Margin
  - Requirements for RA Capacity and Program Tools
    - a. Examples of tools: outage, must offer obligation, bid insertion, and performance and availability rules.
    - b. Outdated tools could result in RA supply not available when and where needed; inefficient procurement and investment; implementation challenges for CAISO and market participants
    - c. Need to review current requirements for RA capacity; RAAIM; tools to incentivize performance; rules for substitution and planned outages; comprehensive review of CPUC Slice of Day reform and transactability with WRAP.
  - Local Regulatory Authority Resource Adequacy and Cost allocation
    - a. Definitions and Requirements: The CAISO lacks a common definition, method of measurement, or standard to ensure that various LRAs bring a portfolio of resources that are accessible in the right place, available at right time, and provide the right attributes needed to evaluate if LRA programs are reliable.
    - b. EDAM RSE Cost Causation: Aligning cost and benefit allocation with causation associated with the EDAM RSE, as a result of a deficiency or procurement of cure capacity.

Proposed principles for resource adequacy:

- Reliable
- Efficient/Cost-effective
- Implementable
- Durable

- Adaptable
- Transparent

Proposed goals for resource adequacy:

- The RA portfolio meets at least a 0.1 LOLE planning target.
- Both planning assumptions and outputs are re-visited regularly
- The CAISO has visibility into both RA and non- RA resources for operational purposes, and the CAISO does not have to rely on out of market actions to maintain a reliable fleet.
- Incentives are in place for RA capacity to perform.
- The procurement of RA can meet reliability needs and environmental goals at least cost.
- Cost allocation rules incent contracting and performance.
- LSEs and LRAs are able to capture benefits of portfolio diversity within the region.
- The CAISO's RA Program: minimizes the need to procure expensive resources due to timing or informational limitations, allows for efficient trade of capacity products between California and the WRAP, balances standards and requirements for resource eligibility with costs and benefits, and is aligned with the CPUC's IRP, modeling and assessments and should produce consistent results.
- It is automated and efficiently operated in CAISO systems.
- It is adaptable to changing needs and regulatory structure, and fleet.
- It is harmonized between CAISO and LRAs and reliability targets and counting are consistent.
- It is scalable so systems work effectively with EDAM and future regional market structures.

NCPA agrees with most of the principles and objectives but has issues, concerns, questions, etc. with some of the problem statements. For example, CAISO claims it does not have visibility to CAISO resources that are not shown for RA yet it releases a detailed non-RA report each month. CAISO claims it does not have tools to incentivize performance yet it has RA availability penalties, imbalance charges, compliance band deviation penalties, and FERC enforcement tools at hand. NCPA will submit comment later this month and looks forward to working with CAISO to revisit the RA program and refine as necessary.

# **New Resource Opportunities**

- Lodi CT2 Conversion LM5000 conversion to LM6000. Sierra Local Flex cat 1 RA – Hydrogen capable
- Grace Solar PCC1 located in Riverside County, CA. COD Dec. 2027
- Wildcat Solar PCC1 located in Imperial County, CA. COD Jun. 2026
- Please contact <u>mike.whitney@ncpa.com</u> for more information.

# <u>Western</u>

impact.

Western Base Resource Tracking - NCPA Pool									
		Actual				Costs & F	Rates		
	BR	BR		Base Resource &	N	۸onthly	CAISO LMP	12-N	Io Rolling
	Forecast <sup>1</sup>	Delivered	Difference	<b>Restoration Fund</b>	Co	ost of BR <sup>2</sup>	Differential <sup>3</sup>	Avg. (	Cost of BR <sup>4</sup>
	(MWh)	(MWh)	(MWh)	(\$)	(\$	\$/MWh)	(\$/MWh)	(\$	/MWh)
Jul-23	35,526	63,713	28,187	\$1,276,102	\$	20.03	\$ (2.07)	\$	39.84
Aug-23	26,389	26,389 61,247 34,858 \$1,276,102 \$ 20.84 \$ (0.99) \$ 33.28							
Sep-23	12,488	36,612	24,124	\$1,275,846	\$	34.85	\$ 0.12	\$	29.86
Oct-23	7,510	-		\$541,494	\$	72.10	\$-	\$	29.93
Nov-23	12,128	-		\$541,494	\$	44.65	\$-	\$	29.15
Dec-23	721	-		\$541,494	\$	751.03	\$-	\$	29.20
Jan-24	11,160	-		\$541,494	\$	48.52	\$-	\$	28.56
Feb-24	16,835	-		\$541,494	\$	32.16	\$-	\$	27.33
Mar-24	11,662	-		\$541,494	\$	46.43	\$-	\$	26.59
Apr-24	37,152	-		\$1,318,366	\$	35.49	\$-	\$	26.90
May-24	66,765	-		\$1,318,366	\$	19.75	\$-	\$	28.27
Jun-24	70,929	-		\$1,318,366	\$	18.59	\$-	\$	27.95
1/ As forecasted in NCPA 23/24 Budget									
2/ = (Western Cost + Restoration Fund)/BR Delivered, for Pool Participants only.									
3/ = (MEEA LMP - PG&E LAP LMP) using public market information (i.e. not settlement quality).									
				available and BR Fore					

- NCPA Pool received 36,612 MWh of Base Resource (BR) energy in September 2023. This includes displaced energy of 3,579 MWh. MEEA savings was about \$3,900 and displacement savings was approximately \$15,620.
  - NCPA Pool received 374,000 MWh of BR in FY 2023, about 20% less than the 10-year historical average.
  - October 2023 WAPA Twelve-Month Rolling Forecast of CVP Generation and Base Resource.
    - Projected FY 2024 BR Generations (October 2023 September 2024)
      - Projected FY24 BR Generation using 90% forecast is about 4% higher than historical average. (Historical Average 2,500 GWh)
      - Projected FY24 BR Generation using 50% forecast is about 29% higher the historical average. (Historical Average 2,500 GWh)
- Reclamation notified WAPA of Power Customer's FY 2024 estimated Restoration Fund Obligation of \$7.9M.
- Re-initiation of Consultation of the Long-Term Operations (ROC on LTO) Trinity Component
  - In September 2021, Bureau of Reclamation and California Department of Water Resources requested a new Endangered Species Act (ESA) with National Marine Fisheries Service (NMFS) and US Fish & Wildlife (USFWS). The ESA requires formal consultation of the CVP operation's

impact on the species. As part of the National Environmental Policy Act (NEPA) requirement, Reclamation is required to provide three or four alternatives to compare against baseline operations and analyze the effect in an Environmental Impact Statement for public comment. As a final step, Reclamation publishes a Record of Decision adopting its preferred operational alternative. On February 28, 2022, Reclamation published a Notice of Intent in the Federal Register, for the preparation of an Environmental Impact Statement (EIS).

- Reclamation provided the preliminary four alternatives for the Trinity portion for the EIS early June and comment due dates were extended a couple times, the deadline ended up being July 21th. Reclamation received 57 public comments but did indicate they will not be providing written responses to these comments.
- Reclamation requested Power Customers to provide final description for Alternative 5 by September 29, 2023. WAPA submitted the Description for "Low Emissions with Flexible Management" for this deadline.
- Draft Cooperating Agency Environmental Impact Statement (EIS) sent to Cooperating Agencies on September 15, 2023. Comments are due on October 16<sup>th</sup>, 2023.
  - NCPA became a Cooperating Agency on September 27, 2023.
    NCPA submitted comments for the draft EIS supporting WAPA's comments, and emphasized a few of the general themes.
  - This EIS does not include Trinity's portion. Reclamation just started working on the EIS for Trinity. Their plan to eventually do a joint analysis on the EIS.
- Reclamation is targeting to publish the Public Draft EIS by end of 2023.

# **Interconnection Affairs**

# Rate Case Update - TO18 Refunds

Background

- PG&E calculated refund amount to be \$234M
- PG&E's compliance filing stated ISO is responsible for administering the refunds
- JI protested the refunds calculation citing three issues
- ISO stated it will not issue refunds until there is a FERC Order on PG&E's compliance filing

# **Current Status**

- JI and PG&E settled two of the three outstanding issues
- In May 2023, FERC ruled in customers' favor on the income tax accounting issue (the third outstanding issue), and ordered PG&E to make another compliance filing by June 20
- CAISO will issue refunds once FERC issues an order on the compliance filing

<u>CAISO Initiative – 2023 Interconnection Process Enhancements Track 2 – NCPA</u> <u>Comments Summary</u>

- Noted if access to interconnection capability is to be determined or prioritized by existing capacity and capacity additions approved in the CAISO TPP, there must be a mechanism for non-jurisdictional LSEs to include their planned resources in the TPP planning process.
- Supported the concept of organizing intake to the Interconnection Queue by prioritizing projects identified in the resource portfolios of LSEs.
- Opposed the use of an auction mechanism to allocate access to grid interconnection. Stated as a load-serving entity that recognizes that load pays the vast majority of CAISO costs, NCPA is focused on reducing costs to its customers. The auction appears to create additional costs that will be passed onto load.

# PG&E RY2024 Formula Rate Annual Update

TO-20 was PG&E's first formula rate filing. After the formula is set/final, the revenue requirement is revised through an annual update. This process is FERC approved and allows for a pass though of changing costs without further approval. Amounts charged by PG&E are later trued-up to recorded cost.

Annual update schedule is as follows:

- July 1 Utility posts proposed cost for the next calendar year
- July 1 Oct 15 Customers examine new costs and issue discovery
- August 15 Sept 1 Technical Conference
- November 1 Last changes to Annual Update
- December 1 Utility submits to FERC
- January 1 New revenue requirement becomes effective

PG&E's Revenue Requirement for RY2024 (Jan 1 – Dec 31, 2024) is as follows:

PG&E Wholesale Rates	RY2023 (Current)	As Filed RY 2024	% Change
Revenue Requirement	\$2.7B	\$2.3B	-15%
HV TAC (\$/MWH)	\$9.50	\$7.68	-19%
LV TAC (\$/MWH)	\$20.40	\$17.87	-12%

Major Contributing Factors to the decrease are PG&E's:

- Prior Over Collections
- \$83M decrease to Administrative and General expenses
- \$6.8M decrease to Operations and Maintenance expenses
- ~\$285M decrease to the Accumulated Depreciation Reserve

# **Key Notes**

- Numbers are subject to change especially since PG&E as not filed its 2024 Transmission Revenue Balancing Account Adjustment
- Indications of upward rate pressure in the future years, \$2B in forecasted capital additions next year
- In Oct, 2023 PG&E will file it's TO-21 formula for rates effective Jan 1, 2024

# Next Steps

 TANC is now engaged in the 2024 TRR review process to negotiate with PG&E over amounts found to be excessive or unsupported

# **Debt and Financial Management**

- The Consumer Price Index rose 0.4% over the last month and 3.7% over the prior year in September in line with August's 3.7% annual rise. The year-over-year increase was slightly higher than economist forecasts of a 3.6% annual jump, according to data from Bloomberg. Energy prices and used car prices eased from the previous month.
- At the October Finance Committee meeting, NCPA's auditor, Baker Tilly, reported the financial statements received an Unmodified or 'clean' opinion meaning this is the highest level of assurance an auditor can provide. Kudos to the Accounting team for another year of outstanding accounting practice.
- The Finance Committee also received an overview of the California CLASS investment pool, a professionally managed local government investment pool (LGIP) that allows public agencies to diversify investments as an alternative (or in addition to) LAIF, CAMP, and/or other money market funds. The current rate of the California CLASS investment pool is currently at 5.51%.

# **Schedule Coordination Goals**

# <u>Network</u>

- SCADA and Networking team is currently working with a number of stakeholders to bring a variety of different generation projects online within the next few months. This includes
  - Scarlett 1A and 1B
  - Lodi Strategic Reserve
  - NID Deer Creek
  - Proxima Solar
- IS continues the work toward preparing the HQ and DRC Control Centers to be compliant with the NERC CIP Medium standards as we continue to work with AESI to review draft CIP-007, CIP-009 and CIP-010 procedures. Several new draft recovery procedures for a variety of cyber assets have been developed and will continue to be refined. Infrastructure improvement continue to be part of this process to upgrade and refresh older software and hardware with the latest versions.
- Operations and Support Oracle DBA team has rolled out phase 5 of the meter data cleanup which includes arching old legacy data into a separate database. This is an effort to comply with retention policies and to improve query performance.
- IS continues to work with Facilities to bring online a new visitor management program which is expected to go live later this fall.

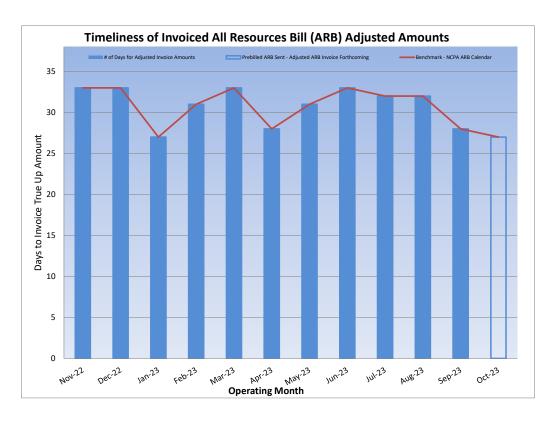
# NCPA Bills & Settlements

# Progress Against the Strategic Plan

Adjusted Power bills, which include CAISO transactions, invoiced to members the following month subsequent to the monthly pre-billed ARB month. Timely ARB settlements adjustments help improve members' cash flow and reconciliation of their budget performance.

The October 2023 NCPA All Resources Bill (ARB) monthly invoice sent to members on September 25, 2023 contains:

- October 2023 monthly pre-billed budget/forecast amounts;
- August 2023 (1st Adjustment) NCPA Project and CAISO Initial settlement true-ups;
- July 2023 (2nd Adjustment) NCPA Project settlement true-up and T+20 business day recalculated CAISO settlement true-up allocations;
- May 2023 (3rd Adjustment) T+70 business day recalculated CAISO settlement true-up allocations and NCPA Projects true-up;
- September 2022 (4th Adjustment) T+11-month recalculated CAISO settlement true-up allocations;
- November 2021 (5<sup>th</sup> Adjustment) T+21-month recalculated CAISO settlement true-up;
- August 2021 (6th Adjustment) T+24-month recalculated CAISO settlement true-up;
- October 2020 (6th Adjustment) T+33-month recalculated CAISO settlement true-up;
- July 2020 (7th Adjustment) T+36-month CAISO settlement true-up



# Legislative & Regulatory

# **Customer Programs Update:**

- NCPA submitted a letter to the DOE in support of California's application for the Solar for All competition, which would provide grant funding for low-income and disadvantaged community solar investments. As part of that application, the CEC is requesting \$85 million for community solar projects in POU territories
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# State Legislative Update:

- Governor Newsom has signed AB 1594 (Garcia), legislation co-sponsored by NCPA, SCPPA, and CMUA to address issues within the Advanced Clean Fleets (ACF) regulation. The new law is effective January 1, 2024, and removes two specific obstacles for POUs when replacing a fleet vehicle:
  - POUs will now be able to access existing ACF exemptions for a vehicle that has not yet reached its 13<sup>th</sup> model year, but is at the end of its useful life and needs to be replaced.
  - POUs will be able to include all usage and mileage data when determining whether a replacement vehicle meets a vehicle's daily usage needs. The regulation currently excludes the three highest usage values.

# Human Resources

# Hires:

Shreya Batra joined NCPA Headquarters as a Power Settlements Analyst I, effective September 25, 2023. Shreya recently graduated from the University of California, Santa Cruz, with a Bachelor of Business Management Economics and a minor in Technology and Information Management. During her time at UC Santa Cruz, Shreya was the President of Merrill Student Government, where she led and facilitated the development and achievements of goals and managed funds of different organizations across the university. She was also a Resident Assistant of Colleges, Housing, and Educational Services, where she maintained an allocated budget and enforced campus policies.

# Intern Hires:

None.

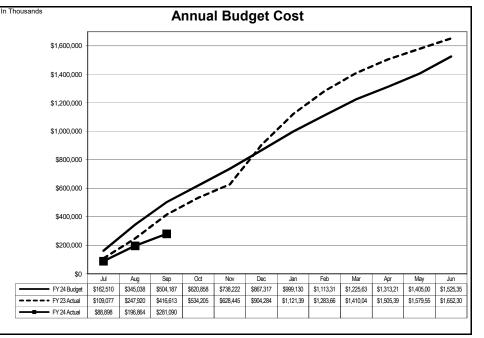
# **Promotions:**

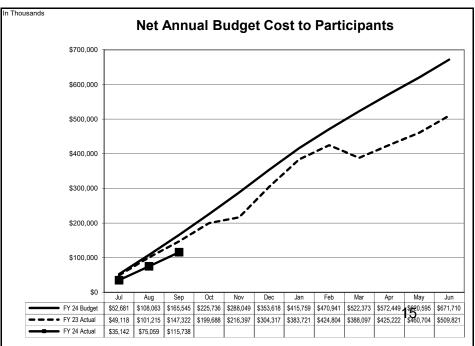
None.

<u>Separations:</u> Shaun Robinson resigned from his position as an Engineer IV at NCPA's Geothermal Facility on October 5, 2023, after 2.5 years of service.

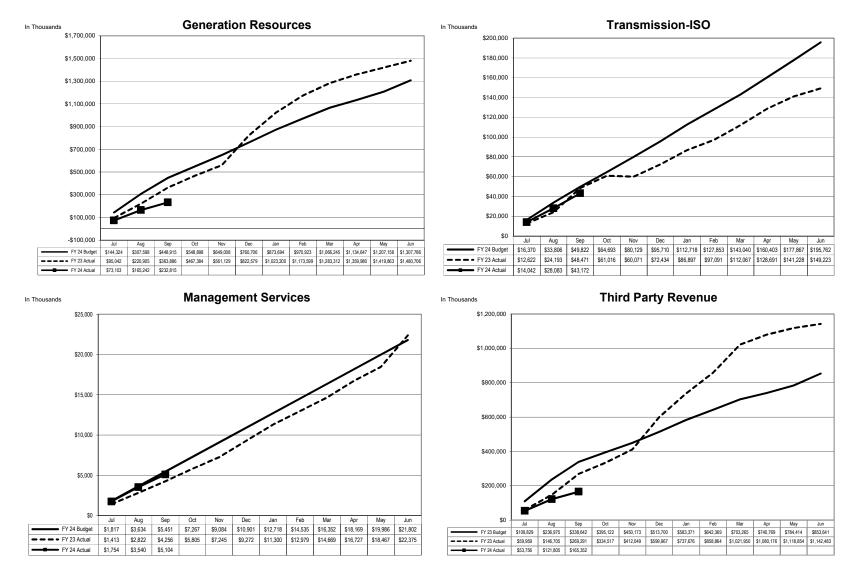
### Annual Budget 2023-2024 Fiscal Year To Date As of September 30, 2023

NCPA Plants      - <th< th=""><th>In Thousands</th><th colspan="5">Program</th></th<>	In Thousands	Program				
NCPA Plants      - <th< th=""><th></th><th></th><th></th><th>Under(Ovr)</th><th>YTD %</th></th<>				Under(Ovr)	YTD %	
Hydroelectic      57.650      14.228      \$ 4.311      75%        Geothermal Plant      1.338      5.564      81%        Combustion Turbine No. 1      6.332      1.338      5.564      81%        Combustion Turbine No. 2 (STIG)      9.217      2.40.44      6.813      74%        Lodi Energy Center      227.605      5.535      203.075      79%        Member Resources - Energy      707.125      20.475      49.66      71%        Member Resources - Natural Gas      2.510      1.341      11.717      47%        Western Resources      37.309      13.838      22.637      63%        Gross Load Costs      601.433      106.494      584.400      58%        Gross Load Costs      1.307.786      220.937      30.788      190.149      65%        Market Power Purchases      1.307.786      222.815      1.074.977      62%        Market Power Purchases      1.307.786      22.865      1.091.49      65%        Gross Load Costs      Gottator      1.307.786      22.815      1.074.977        Leigislative & Representation	GENERATION RESOURCES	Budget	Actual	Budget	Remaining	
Geothermal Plant      47.000      10.514      788.405      788        Combustion Turbine No. 1      6.932      1.338      5.544      81%        Combustion Turbine No. 2 (STIG)      9.217      2.044      6.813      74%        Lodi Energy Center      9.217      2.044      6.813      74%        Member Resources - Energy      105.77      26.044      110.762      22.475      44.065      71%        Member Resources - Energy (customer)      359      2.15      1.314      1.170      47%      46.65      226.33      4.865      22.075      81%      94%        Western Resource - Matural Gas      2.510      1.314      1.170      47%      47%      48%      48%      48%      48%      48%      48%      48%      48%      48%      44.00      85%      44.40      85%      44.40      85%      44.40      85%      44.40      45.44      45.44      45.44      45.44      45.44      45.44      45.44      45.44      45.44      45.44      45.44      45.44      45.44      45.44      45.44      45.44 </td <td>NCPA Plants</td> <td></td> <td></td> <td></td> <td></td>	NCPA Plants					
Combustion Turbine No. 1      6.32      1.388      5.564      81%        Combustion Turbine No. 2 (\$TIG)      9.217      2.404      6.813      74%        Lodi Energy Center      287.605      54.530      203.077      79%        Member Resources - Energy (Customer)      363.92      21      338      94%        Member Resources - Natural Gas      2.510      1.341      1.10      47%        Western Resources      614.39      106.949      584.400      85%        Gross Load Costs      691.439      106.949      584.400      85%        Gross Load Costs (Customer)      1.300.726      232.815      1.074.971      22%        Market Power Purchases      37.309      1.363      211      1.52      85%        Gross Load Costs (Customer)      1.307.768      232.815      1.074.971      22%        Market Power Purchases      1.307.768      232.815      1.074.971      22%        Market Power Purchases      1.307.768      232.815      1.074.971      22%        Market Power Purchase      1.307.768      24.44      45.41      45.44      4	Hydroelectric	57,650	14,239	\$ 43,411	75%	
Combustion Turbine No. 2 (STIG)      9:217      2:404      6:813      7:45        Loid Energy Center      257.605      54.530      20:875      8:15        Member Resources - Energy      70:125      20:475      49:65      7:15        Member Resources - Natural Gas      2:510      1:331      1:10      7:02        Member Resources - Natural Gas      2:510      1:341      1:17      7:03        Member Resources - Natural Gas      2:5139      4:865      20:975      8:1%        Market Power Purchases      37:309      1:30:366      23:673      6:8%        Gross Load Costs      6:91:439      106:949      56:440      8:5%        Preliminary Surveys and Investigations      1:30:7:786      22:24:15      1:074:971      8:2%        TAMSMISSION      1:30:7:786      22:24:15      1:074:971      8:2%        Legislative Representation      2:250      5:59      1:601      7:6%        Vestern Representation      7:68      7:64      9:0%      9:0%        Subject & Regulatory      2:250      5:59      1:601      7:7%        Legi						
Lodl Energy Center      136 737      26.034      110 762      81%        Member Resources - Energy (Customer)      237.605      54.530      203.075      79%        Member Resources - Natural Gas      2.510      1.341      1,170      47%        Western Resource      25.339      4.865      20.975      81%        Market Power Purchases      37.309      13.636      23.673      85%        Gross Load Costs      691.439      106.949      564.400      85%        Orss Load Costs      1.363      211      1.152      85%        Market Power Purchases      1.367.786      232.815      1.074.971      82%        TRANSMISSION      1.307.786      1.074.971      82%      76%      76%        MAAGEMENT SERVICES      1.95.762      43.172      152.590      76%        Legislative & Representation      763      144      60      76%        MAAGEMENT SERVICES      2.250      559      1.601      76%        Judicial Action      7.900      1.846      6.054      77%        System Representation      7.90				- /		
Member Resources - Energy Member Resources - Energy (Customer) Member Resources - Energy (Customer) Member Resources - Energy (Customer) Member Resources - Market Power Purchases Gross Load Costs Gross Load Costs (Customer) Market Power Purchases Gross Load Costs (Customer) Nat GK Obligations      25,839      4,865      22,075      81% 94%        Market Power Purchases Gross Load Costs Gross Load Costs      37,309      13,636      22,075      81% 94%        Market Power Purchases Gross Load Costs      37,309      13,686      23,673      63% 63%        Preliminary Surveys and Investigations      13,07,786      22,20,375      100%        100pendent System Operator Independent System Operator      195,762      38,628      157,134      80%        Legislative Representation Regulatory Representation Customer Programs      2,250      559      1,601      75%        Judicial Action Power Management System Control & Load Dispatch Forecasting & Prescheduling Industry Representation Sustements      7,000      1,846      6,604      77%        113      2,100      1,846      6,604      77%      76%        Sustement Programs      1,076      330      11      1,725      867        1144      34      111      77%      869      90%      76%						
Member Resources - Energy Member Resources - Natural Gas      70,125      20,475      49,650      71%        Member Resources - Natural Gas      2,510      1,341      1,170      47%        Western Resources - Natural Gas      2,510      1,343      23,673      63%        Gross Load Costs (Customer)      22,937      30,788      190,448      86%        Net GHG Obligations      1,363      21      1,363      21,673      63%        Member Resources      641,439      100,448      86%      20,073      63%        Gross Load Costs (Customer)      220,397      30,788      190,148      86%        Net GHG Obligations      1,363      216,733      63%      200,075        Transmission      1,363      216,733      100,444      86%        MAGEMENT SERVICES      195,762      43,172      152,590      76%        Legislative Representation      768      74      649      90%        Customer Program      1064      105      959      1,691      76%        System Control & Load Dispatch      7,900      1,846      6,054      77	Lodi Energy Center					
Member Resources - Energy (Customer)      358      2 1      338      94%        Member Resources - Natural Gas      2,510      1,341      1,171      47%        Western Resources - Natural Gas      37,099      10,6348      524,075      81%        Market Power Purchases      37,099      10,6348      534,008      534      661,439      106,648      584,408      86%        Gross Load Costs (Customer)      220,937      30,788      190,149      86%      005,449      536,408      536      300      -      300      100%      536      107,497      82%        Transmission      1005,762      43,172      152,869      76%						
Member Resources - Natural Gas      2,510      1,341      1,170      47%        Western Resources      25,839      4,865      20,075      81%        Gross Load Costs      691,439      106,449      86%      697,457      637        Gross Load Costs      614,393      106,449      86%      20,075      85%        Gross Load Costs      614,393      106,449      86%      20,075      85%        Preliminary Surveys and Investigations      1,303      211      1,152      85%        Independent System Operator      1,307,786      232,815      1074,971      82%        Legislative & Regulatory      1      195,762      43,472      152,580      76%        Legislative & Regulatory      2,250      569      1,691      75%      76%        Western Representation      763      184      577      76%        Vestern Representation      2,250      569      1,691      77%        System Control & Load Dispatch      7,600      1,846      6064      77%        Forecasting & Prescheduling      1,776      2,861      697<		- / -	- , -	- ,		
Western Resource      25,833      4,865      20,075      81%, 37,309        Market Power Purchases Gross Load Costs (Customer)      37,309      13,836      23,675      63%, 6611,439      100,048      564,490      85%, 67,333      20,75      81%, 6611,439      100,048      564,490      85%, 85%, 86%,97      85%, 6611,439      100,048      564,490      85%, 85%, 85%, 93,00      100,75      81%, 93,00      100,75      81%, 93,00      85%, 93,00      100,75      81%, 93,00      100,75      81%, 93,00      100,75      81%, 93,00      85%, 93,00      100,75      81%, 93,00      100,75      81%, 93,60      100,77%					-	
Market Power Purchases      37,300      13,688      23,673      63%        Gross Load Costs      Guide Costs      691,439      106,948      684,490      85%        Met GHG Obligations      1,363      211      1,152      85%        Preliminary Surveys and Investigations      1,300      -1      300      100%        Independent System Operator      1,367,786      1074,871      82%        MAAGEMENT SERVICES      198,762      38,628      157,134      80%        Legislative Representation      2,250      559      1,691      75%        Western Representation      2,250      559      1,691      75%        Vestern Representation      768      74      694      90%        Customer Programs      4,429      936      3,493      79%        Judicial Action      7,900      1,846      6,054      77%        Power Management      2,891      697      2,194      76%        System Control & Load Dispatch      7,900      1,846      6,054      77%        Foreceasting & Prescheduling      1,176      286		2,510	1,341	1,170	47%	
Gross Load Costs      691,430      106,949      584,490      85%        Gross Load Costs      (Customer)      1,363      106,949      584,490      85%        Proliminary Surveys and Investigations      1,363      220,937      30,788      190,149      86%        TRANSMISSION      1,307,786      222,815      1,074,871      82%        Independent System Operator      1,067,762      36,628      157,134      80%        Independent System Operator      198,762      43,172      152,590      78%        MANAGEMENT SERVICES      198,762      43,172      152,590      78%        Legislative Representation      783      144      579      76%        Vesterm Representation      788      74      6649      120      529      82%        Judicial Action      700      1,846      6,054      77%      76%        Power Management      599      1004      700      1,846      6,054      77%        Sottements      1,176      280      866      76%      71%      71%      71%      71%		25,839	4,865	20,975	81%	
Gross Load Costs (Customer) Net GHG Obligations      220,937      30,788      190,149      86%        Preliminary Surveys and Investigations      1,303      211      1,152      85%        TRANSMISSION      1,307,786      190,149      86%      86%        Independent System Operator Independent System Operator - Customer      195,762      38,628      157,134      80%        MANAGEMENT SERVICES      195,762      43,172      152,590      78%        Legislative Representation Regulatory Representation      763      184      579      76%        Western Representation      768      74      649      90%      90%        Judicial Action      7900      1,846      0.054      77%        Power Management System Control & Load Dispatch      7,900      1,846      0.054      77%        Market Purchase Project      113      21      92      87%        Market Purchase Project      719      15      64      81%        Market Purchase Project      1,176      280      896      76%        Energy Risk Management Suttements      1,166      31      1,434	Market Power Purchases	37,309	13,636	23,673	63%	
Net CHG Obligations      1.363      2.11      3.00      1.007,871        TRANSMISSION      1.307,786      232,815      1.007,971      82%        Independent System Operator - Customer      195,762      4,544      (4,544)      78%        Independent System Operator - Customer      195,762      4,514      (4,544)      78%        Legislative & Regresentation      2,250      559      1,691      75%        Legislative & Regresentation      783      144      579      75%        Using a statistic of the stati	Gross Load Costs	691,439	106,949	584,490	85%	
Preliminary Surveys and Investigations      1300      1      100%        TRANSMISSION      1,307,766      232,815      1,074,977      82%        Independent System Operator Customer      195,762      36,623      157,134      80%        MANAGEMENT SERVICES      195,762      43,172      152,590      78%        Legislative Representation      2,250      553      1,681      75%        Regulatory Representation      766      74      694      90%        Customer Programs      4,429      936      3,493      7%        Judicial Action      7900      1,846      6,064      77%        System Control & Load Dispatch      7,900      1,846      6,064      77%        Industry Restructuring      392      116      277      7%        Contract Admin, Interoonnection Svcs & Ext. Affairs      1132      2,975      9,577        Energy Risk Management      1144      34      1111      77%        Suttoments      11,652      2,975      9,577      76%        Integrated System Support      1,765      301      111	Gross Load Costs (Customer)	220,937	30,788	190,149	86%	
TRANSMISSION      1,307,786      232,815      1,074,971      82%        Independent System Operator Independent System Operator - Customer      195,762      38,628      157,134      80%        MANAGEMENT SERVICES      195,762      43,172      152,590      78%        Legislative & Regulatory Legislative Representation Regulatory Representation      2,250      558      1,681      75%        Judicial Action Power Management System Control & Load Dispatch Forecasting & Prescheduling Industry Restructuring      7,900      1,846      6,054      77%        Gas Purchase Program Market Purchase Project      79      15      64      81%        1132 21      92      29%      10,76      39      96%        Support Services      79      15      64      81%        1,076      139      966      77%        Support Services      772      176      597      77%        TOTAL ANNUAL BUDGET COST      1,525,350      281,090      1,244,802      93,613      85%        Less: THIRD PARTY REVENUE Plant ISO Energy Sales Member Owned Generation ISO Energy Sales NCPA Contracts ISO Energy Sales      74,477      18,304      65,173 <td< td=""><td>Net GHG Obligations</td><td>1,363</td><td>211</td><td>1,152</td><td>85%</td></td<>	Net GHG Obligations	1,363	211	1,152	85%	
TRANSMISSION      1 <t< td=""><td>Preliminary Surveys and Investigations</td><td>300</td><td>-</td><td>300</td><td>100%</td></t<>	Preliminary Surveys and Investigations	300	-	300	100%	
Independent System Operator Independent System Operator - Customer      195,762      38,628      157,134      80%        MAAGEMENT SERVICES      -      4,544      (4,544)      7%        Legislative & Regulatory Legislative Representation Regulatory Representation Customer Programs      2,250      559      1,661      7%        Judicial Action Power Management System Control & Load Dispatch Forecasting & Preschedling Industry Restructuring Contract Admin, Interconnection Svcs & Ext. Affairs Gas Purchase Program      7,900      1,846      6,054      77%        Settlements Integrated System Support Participant Pass Through Costs Support Services      1,176      280      806      81%        1,076      139      936      87%      77%      77%        Support Services      772      176      597      77%        TOTAL ANNUAL BUDGET COST      1,525,350      28,1090      1,244,260      82%        LESS: THIRD PARTY REVENUE Plant ISO Energy Sales Member Owned Generation ISO Energy Sales NCPA Contracts ISO Energy Sales Meestern Resource ISO Energy Sales NCPA Contracts ISO En		1,307,786	232,815	1,074,971	82%	
Independent System Operator - Customer      -      4.544      (4.544)        MANAGEMENT SERVICES      195,762      43,172      152,550      78%        Legislative & Reguesentation Regulatory Representation Customer Programs      2,250      559      1,661      75%        Judicial Action Power Management System Control & Load Dispatch Forecasting & Prescheduling      763      184      579      76%        Market Purchase Project      7,900      1,846      6,054      77%        Control & Load Dispatch Forecasting & Prescheduling      2,891      697      2.194      76%        Market Purchase Project      7,900      1,846      6,054      77%        Market Purchase Project      7,90      1,846      81%        Market Purchase Project      113      21      92      22%        Energy Risk Management Support Services      1,765      331      1,434      81%        1,765      331      1,434      111      77%        Support Services      1,765      333      1,434      81%        1      144      3      1111      77%      77%        Su	TRANSMISSION			_	]	
MANAGEMENT SERVICES      195,762      43,172      152,590      78%        Legislative & Regulatory      Legislative & Regulatory      2,250      559      1,601      75%        Regulatory Representation      768      74      664      90%        Customer Programs      4429      936      3,493      79%        Judicial Action      7800      1,846      6,054      77%        Power Management      5ystem Control & Load Dispatch      7,900      1,846      6,054      77%        Forecasting & Preschedling      1,064      105      959      90%      90%        Market Purchase Project      7,900      1,846      6,054      77%        Support Services      113      21      92      82%        1,076      139      936      87%        1,076      139      936      87%        1,076      139      936      87%        1,076      139      936      87%        1,076      139      936      87%        77%      1,665      1111      77% <td>Independent System Operator</td> <td>195,762</td> <td>38,628</td> <td>157,134</td> <td>80%</td>	Independent System Operator	195,762	38,628	157,134	80%	
MANAGEMENT SERVICES        Legislative & Regulatory        Legislative & Regresentation        Regulatory Representation        Customer Programs        Judicial Action        Power Management        System Control & Load Dispatch        Forecasting & Prescheduling        Industry Restructuring        Contract Admin, Interconnection Svos & Ext. Affairs        Gas Purchase Program        Market Purchase Program        Market Purchase Program        Market Purchase Program        Nettigenet System Support        Participant Pass Through Costs        Support Services        Vortat Admin, Interconnection ISO Energy Sales        Member Owned Generation ISO Energy Sales        Member Owned Generation ISO Energy Sales        Member Resource ISO Energy Sales        Western Represents & Other Income        Vestern Credits, Interest & Other Income	Independent System Operator - Customer	-	4,544	(4,544)		
MANAGEMENT SERVICES        Legislative & Regulatory        Legislative & Regresentation        Regulatory Representation        Customer Programs        Judicial Action        Power Management        System Control & Load Dispatch        Forecasting & Prescheduling        Industry Restructuring        Contract Admin, Interconnection Svos & Ext. Affairs        Gas Purchase Program        Market Purchase Program        Market Purchase Program        Market Purchase Program        Nettigenet System Support        Participant Pass Through Costs        Support Services        Vortat Admin, Interconnection ISO Energy Sales        Member Owned Generation ISO Energy Sales        Member Owned Generation ISO Energy Sales        Member Resource ISO Energy Sales        Western Represents & Other Income        Vestern Credits, Interest & Other Income		195,762	43,172	152,590	78%	
Legislative Representation      2.250      559      1,691      75%        Regulatory Representation      763      184      579      76%        Western Representation      768      74      6694      90%        Customer Programs      649      120      529      82%        Judicial Action      1.064      105      959      90%        Power Management      2.891      697      2.194      76%        System Control & Load Dispatch      7.900      1,846      6,054      77%        Contract Admin, Interconnection Svos & Ext. Affairs      392      116      277      71%        Gas Purchase Program      79      15      64      81%        Market Purchase Project      113      21      92      82%        112,552      2.975      9,577      76%        Sottlements      1,076      139      936      87%        1144      34      1111      77%      76%      87%        Support Services      1,076      139      936      87%        12,550      281	MANAGEMENT SERVICES			· ·	1	
Regulatory Representation      763      184      579      76%        Western Representation      768      74      694      90%        Customer Programs      649      120      529      82%        Judicial Action      1.064      105      939      90%        Power Management      1.064      105      939      90%        System Control & Load Dispatch      7,900      1.846      6.054      77%        Forecasting & Prescheduling      2.891      697      2.194      76%        Industry Restructuring      2.891      697      2.194      76%        Market Purchase Program      79      15      64      81%        Market Purchase Project      113      21      92      82%        Integrated System Support      772      176      597      77%        Participant Pass Through Costs      1.765      331      1.434      81%        Support Services      1.525.350      281.090      1.244.260      82%        Member Resource ISO Energy Sales      74.477      18.304      65.63,73      75%	Legislative & Regulatory				1	
Western Representation Customer Programs      78 (44)      74 (20)      694 (22)      90% (22)        Judicial Action      649      120      529 (20)      82%        Power Management System Control & Load Dispatch Forecasting & Prescheduling Industry Restructuring Contract Admin, Interconnection Svcs & Ext. Affairs Gas Purchase Program      7,900      1,846      6,054      77%        Contract Admin, Interconnection Svcs & Ext. Affairs Gas Purchase Program      392      116      277      77%        Energy Risk Management Support      1,176      280      896      67%        113      21      92      82%      82%        Energy Risk Management Support      1,176      139      936      87%        113      21      92      82%      144      34      111        Settlements      1,076      139      936      87%      144      34      111        Support Services      1,765      331      1,434      81%      81%        Support Services      1,525,350      281,090      1,244,260      82%        TOTAL ANNUAL BUDGET COST      1,525,350      134,63      12,167	Legislative Representation	2,250	559	1,691	75%	
Customer Programs      649      120      529      82%        Judicial Action      996      3,493      79%        Power Management      1,064      105      999        System Control & Load Dispatch      7,900      1,846      6,054      77%        Forecasting & Prescheduling      2,891      697      2,194      76%        Industry Restructuring      2,891      697      2,194      76%        Gas Purchase Program      79      15      64      81%        Market Purchase Project      113      21      92      82%        Integrated System Support      772      176      597      77%        Participant Pass Through Costs      31      1,434      81%      81%        Support Services      1,525,350      281,090      1,244,260      82%        LESS: THIRD PARTY REVENUE      154,466      228      154,466      228      154,428      83,75%        Member Owned Generation ISO Energy Sales      74,477      18,304      56,173      75%        Mery Source ISO Energy Sales      154,466      228 <t< td=""><td>Regulatory Representation</td><td>763</td><td>184</td><td>579</td><td>76%</td></t<>	Regulatory Representation	763	184	579	76%	
4.429      936      3.493      79%        Judicial Action      1.064      105      959      90%        Power Management      1.064      105      959      90%        System Control & Load Dispatch      7.900      1.846      6.054      77%        Forecasting & Prescheduling      1.064      105      959      90%        Industry Restructuring      2.891      6.057      2.194      76%        Contract Admin, Interconnection Svcs & Ext. Affairs      1.176      280      806      76%        Market Purchase Program      79      15      64      81%        Market Purchase Project      113      21      92      82%        Energy Risk Management      1.076      139      936      87%        Integrated System Support      772      716      597      77%        Participant Pass Through Costs      1.076      139      936      87%        Support Services      1.525,350      281,090      1.244,260      82%        Less: THIRD PARTY REVENUE      1.525,350      281,090      1.244,260      82% <td>Western Representation</td> <td>768</td> <td>74</td> <td>694</td> <td>90%</td>	Western Representation	768	74	694	90%	
Judicial Action      1,064      105      9959      90%        Power Management      System Control & Load Dispatch      7,900      1,846      6,054      77%        Forecasting & Prescheduling      1,064      105      959      90%        Industry Restructuring      2,891      697      2,194      76%        Contract Admin, Interconnection Svos & Ext. Affairs      392      116      277      71%        Gas Purchase Project      113      21      92      82%        113      21      92      82%        1144      34      111      77%        Settlements      1,076      139      936      87%        Integrated System Support      772      176      597      77%        Participant Pass Through Costs      1,525,350      281,090      1,244,260      82%        LESS: THIRD PARTY REVENUE      1      1      10,397      59,815      85%        Member Owned Generation ISO Energy Sales      70,212      10,397      59,815      85%        NCPA Contracts ISO Energy Sales      1      1,463      12,1	Customer Programs	649	120	529	82%	
Judicial Action      1,064      105      9959      90%        Power Management      System Control & Load Dispatch      7,900      1,846      6,054      77%        Forecasting & Prescheduling      1,064      105      959      90%        Industry Restructuring      2,891      697      2,194      76%        Contract Admin, Interconnection Svos & Ext. Affairs      392      116      277      71%        Gas Purchase Project      113      21      92      82%        113      21      92      82%        1144      34      111      77%        Settlements      1,076      139      936      87%        Integrated System Support      772      176      597      77%        Participant Pass Through Costs      1,525,350      281,090      1,244,260      82%        LESS: THIRD PARTY REVENUE      1      1      10,397      59,815      85%        Member Owned Generation ISO Energy Sales      70,212      10,397      59,815      85%        NCPA Contracts ISO Energy Sales      1      1,463      12,1	•	4.429	936	3,493	79%	
Power Management System Control & Load Dispatch Forecasting & Prescheduling Industry Restructuring Contract Admin, Interconnection Svcs & Ext. Affairs Gas Purchase Program Market Purchase Project      7,900      1,846      6,054      77%        2,891      697      2,194      76%      2,891      697      2,194      76%        Gas Purchase Program Market Purchase Project      1,176      280      896      76%        Energy Risk Management Settlements Integrated System Support Participant Pass Through Costs Support Services      1,44      34      111      77%        TOTAL ANNUAL BUDGET COST      1,525,550      281,090      1,244,260      82%        LESS: THIRD PARTY REVENUE Plant ISO Energy Sales Member Resource ISO Energy Sales NCPA Contracts ISO Energy Sales NCPA Contracts ISO Energy Sales NCPA Contracts ISO Energy Sales      244,824      43,279      201,544      82%        Load Aggregation Energy Sales NCPA Contracts ISO Energy Sales      154,466      228      154,246      32,975      139,633      78%        Load Aggregation Energy Sales NCPA Contracts ISO Energy Sales      1,463      12,167      19,296      61%        Load Aggregation Energy Sales NCPA Contracts ISO Energy Sales      1,463      12,167      19,296      61%        Load Aggreguine Energ	Judicial Action	1 -		.,	-	
System Control & Load Dispatch Forecasting & Prescheduling Industry Restructuring Contract Admin, Interconnection Svcs & Ext. Affairs Gas Purchase Program Market Purchase Project      7,900      1,846      6,054      77%        2,891      697      2,194      76%        Gas Purchase Program Market Purchase Project      392      116      277      71%        Energy Risk Management Settlements      1,176      280      896      76%        113      21      92      82%      113      21      92        Energy Risk Management Settlements      1,44      34      111      77%      77%        Participant Pass Through Costs      1,765      331      1,434      81%        Support Services      1,765      331      1,434      81%        21,802      5,104      16,699      77%        TOTAL ANNUAL BUDGET COST      1,525,350      281,090      1,244,260      82%        Less: THIRD PARTY REVENUE Plant ISO Energy Sales NCPA Contracts ISO Energy Sales      70,212      10,397      59,815      85%        NCPA Contracts ISO Energy Sales NCPA Contracts ISO Energy Sales      -      14,157      14,157      14,157		.,				
Forecasting & Prescheduling Industry Restructuring Contract Admin, Interconnection Svcs & Ext. Affairs Gas Purchase Program Market Purchase Project      2,891      697      2,194      76%        Gas Purchase Program Market Purchase Project      392      116      277      71%        Energy Risk Management Settlements      1,176      280      896      76%        Integrated System Support Participant Pass Through Costs      113      21      92      82%        1,076      139      936      87%      1772      176      597      77%        Participant Pass Through Costs      1,765      331      1,434      81%      6697      2,184      82%        TOTAL ANNUAL BUGGET COST      1,525,350      281,090      1,244,260      82%        Member Resource ISO Energy Sales NCPA Contracts ISO Energy Sales      74,477      18,304      56,173      75%        Mester Resource ISO Energy Sales NCPA Contracts ISO Energy Sales      1,9429      39,795      139,633      78%        Vestern Resource ISO Energy Sales      3,1463      12,167      19,296      61%        Load Aggregation Energy Sales      -      14,157      14,463      12,167	-	7 900	1 8/6	6 054	77%	
Industry Restructuring Contract Admin, Interconnection Svcs & Ext. Affairs Gas Purchase Program Market Purchase Project      392      116      277      71%        Gas Purchase Program Market Purchase Project      392      116      277      71%        Energy Risk Management Settlements      1,176      280      896      76%        Energy Risk Management Settlements      1,176      280      896      76%        113      21      92      82%      12,552      2,975      9,577        Participant Pass Through Costs Support Services      1,076      139      936      87%        1,076      139      936      87%      1,076      331      1,434      81%        Support Services      1,076      331      1,434      81%      1,525,350      281,090      1,244,260      82%        LESS: THIRD PARTY REVENUE Plant ISO Energy Sales Member Resource ISO Energy Sales NCPA Contracts ISO Energy Sales			/	- /		
Contract Admin, Interconnection Svcs & Ext. Affairs Gas Purchase Program      1,176      280      896      76%        Gas Purchase Program Market Purchase Project      1,176      280      896      76%        Energy Risk Management Settlements Integrated System Support Participant Pass Through Costs Support Services      1,176      280      896      76%        TOTAL ANNUAL BUDGET COST      1,076      139      936      87%        LESS: THIRD PARTY REVENUE Plant ISO Energy Sales Member Owned Generation ISO Energy Sales Revenue from Customers Customer Owned Generation ISO Energy Sales NCPA Contracts ISO Energy Sales Western Resource ISO Energy Sales      244,824      43,279      201,544      82%        154,466      228      154,246      228      154,246      228        Vestern Resource ISO Energy Sales Western Resource ISO Energy Sales      154,466      228      154,246      228      154,238      100%        Load Aggregation Energy Sales Western Credits, Interest & Other Income      9,295      194      9,100      98%        110      28      83      75%        40,090      20,488      23,602      54%						
Gas Purchase Program Market Purchase Project      79      15      64      81%        Market Purchase Project      113      21      92      82%        113      21      92      82%        12,552      2,975      9,577      76%        Energy Risk Management Settlements      144      34      111      77%        Integrated System Support Participant Pass Through Costs      1,076      139      936      87%        Support Services      1,765      331      1,434      81%        21,802      5,104      16,699      77%        TOTAL ANNUAL BUDGET COST      1,525,350      281,090      1,244,260      82%        LESS: THIRD PARTY REVENUE Plant ISO Energy Sales Member Quened Generation ISO Energy Sales      179,429      39,795      139,633      78%        Revenue from Customers Customer Owned Generation ISO Energy Sales Western Resource ISO Energy Sales      154,466      228      154,238      100%        NCPA Contracts ISO Energy Sales Western Resource ISO Energy Sales      144,157      19,296      61%        Load Aggregation Energy Sales Western Credits, Interest & Other Income      9,295      194      9,100 </td <td></td> <td></td> <td></td> <td></td> <td></td>						
Market Purchase Project      113      21      92      82%        Energy Risk Management Settlements      113      21      92      82%        12,552      2,975      9,577      76%        Integrated System Support Participant Pass Through Costs      1,076      139      936      87%        Support Services      1,765      331      1,434      81%        -      408      (408)      -      408      82%        TOTAL ANNUAL BUDGET COST      1,525,350      281,900      1,244,260      82%        LESS: THIRD PARTY REVENUE Plant ISO Energy Sales Member Resource ISO Energy Sales      74,477      18,304      56,173      75%        Member Owned Generation ISO Energy Sales      179,429      39,795      139,633      78%        NCPA Contracts ISO Energy Sales      154,466      228      154,238      100%        NCPA Contracts ISO Energy Sales      -      141,157      11,302      61%        Load Aggregation Energy Sales      -      144,157      19,296      61%        Load Aggregation Energy Sales      9,295      194      9,100      98%   <					-	
Energy Risk Management Settlements      12,552      2,975      9,577      76%        Integrated System Support Participant Pass Through Costs Support Services      144      34      111      77%        TOTAL ANNUAL BUDGET COST      1,765      331      1,434      81%        LESS: THIRD PARTY REVENUE Plant ISO Energy Sales Member Resource ISO Energy Sales Customer Owned Generation ISO Energy Sales Western Resource ISO Energy Sales      244,824      43,279      201,544      82%        10,76      13,900      1,244,260      82%      82%        LESS: THIRD PARTY REVENUE Plant ISO Energy Sales Customer Owned Generation ISO Energy Sales Western Resource ISO Energy Sales      244,824      43,279      201,544      82%        NCPA Contracts ISO Energy Sales Western Resource ISO Energy Sales      154,466      228      154,238      100%        Load Aggregation Energy Sales Western Credits, Interest & Other Income      31,463      12,167      19,296      61%        110      28      83      75%      83,641      165,352      688,289      81%				-		
Energy Risk Management Settlements      144      34      111      77%        Settlements      1,076      139      936      87%        Integrated System Support Participant Pass Through Costs      772      176      597      77%        Support Services      1,076      139      936      87%        TOTAL ANNUAL BUDGET COST      1,525,350      281,090      1,244,260      82%        LESS: THIRD PARTY REVENUE Plant ISO Energy Sales Member Resource ISO Energy Sales Customer Owned Generation ISO Energy Sales NCPA Contracts ISO Energy Sales      244,824      43,279      201,544      82%        NCPA Contracts ISO Energy Sales Western Resource ISO Energy Sales      154,466      228      154,238      100%        Load Aggregation Energy Sales Western Credits, Interest & Other Income      -      14,157      14,157      19,296      61%        110      28      83      75%      110      28      81%	,					
Settlements      1,076      139      936      87%        Integrated System Support      772      176      597      77%        Participant Pass Through Costs      1,765      331      1,434      81%        Support Services      21,802      5,104      16,699      77%        TOTAL ANNUAL BUDGET COST      1,525,350      281,090      1,244,260      82%        LESS: THIRD PARTY REVENUE      1      10,397      59,815      82%        Member Resource ISO Energy Sales      244,824      43,279      201,544      82%        Member Owned Generation ISO Energy Sales      179,429      39,795      139,633      78%        Revenue from Customers      70,212      10,397      59,815      85%        Customer Owned Generation ISO Energy Sales      45,275      6,314      38,961      86%        Western Resource ISO Energy Sales      31,463      12,167      19,296      61%        Load Aggregation Energy Sales      11,463      12,167      19,296      61%        Load Aggregation Energy Sales      110      28      83      75%        Wes	Energy Bisk Management		1		-	
Integrated System Support Participant Pass Through Costs Support Services      772      176      597      77%        Participant Pass Through Costs Support Services      1,765      331      1,434      81%        -      408      (408)      -      408      (408)        -      408      (408)      -      408      (408)        -      408      (408)      -      408      (408)        -      408      (408)      -      408      (408)      -        TOTAL ANNUAL BUDGET COST      1,525,350      281,090      1,244,260      82%      -        LESS: THIRD PARTY REVENUE Plant ISO Energy Sales      244,824      43,279      201,544      82%        Member Resource ISO Energy Sales      179,429      39,795      139,633      78%        Revenue from Customers      70,212      10,397      59,815      85%        Customer Owned Generation ISO Energy Sales      154,466      228      154,238      100%        NCPA Contracts ISO Energy Sales      31,463      12,167      19,296      61%        Load Aggregation Energy Sales      -<						
Participant Pass Through Costs Support Services      1,765      331      1,434      81%        1,765      331      1,434      81%      408      (408)      77%        TOTAL ANNUAL BUDGET COST      1,525,350      281,090      1,244,260      82%        LESS: THIRD PARTY REVENUE Plant ISO Energy Sales Member Resource ISO Energy Sales Customer Owned Generation ISO Energy Sales Customer Owned Generation ISO Energy Sales      244,824      43,279      201,544      82%        NCPA Contracts ISO Energy Sales Western Resource ISO Energy Sales      179,429      39,795      139,633      78%        Load Aggregation Energy Sales Western Resource ISO Energy Sales      154,466      228      154,238      100%        Load Aggregation Energy Sales Western Credits, Interest & Other Income      110      28      83      75%        44,090      20,488      23,602      54%      81%						
Support Services      -      408      (408)        21,802      5,104      16,699      77%        TOTAL ANNUAL BUDGET COST      1,525,350      281,090      1,244,260      82%        LESS: THIRD PARTY REVENUE Plant ISO Energy Sales Member Resource ISO Energy Sales Revenue from Customers Customer Owned Generation ISO Energy Sales NCPA Contracts ISO Energy Sales      244,824      43,279      201,544      82%        Mestern Resource ISO Energy Sales Customer Owned Generation ISO Energy Sales NCPA Contracts ISO Energy Sales      179,429      39,795      139,633      78%        Load Aggregation Energy Sales Transmission Sales      31,463      12,167      19,296      611%        Western Credits, Interest & Other Income      9,295      194      9,100      98%        110      28      83      75%      81%      81%						
21,802      5,104      16,699      77%        TOTAL ANNUAL BUDGET COST      1,525,350      281,090      1,244,260      82%        LESS: THIRD PARTY REVENUE Plant ISO Energy Sales Member Owned Generation ISO Energy Sales Revenue from Customers Customer Owned Generation ISO Energy Sales Western Resource ISO Energy Sales      244,824      43,279      201,544      82%        NCPA Contracts ISO Energy Sales Western Resource ISO Energy Sales      179,429      39,795      139,633      78%        Load Aggregation Energy Sales Western Resource ISO Energy Sales      45,275      6,314      38,961      86%        Load Aggregation Energy Sales      -      14,157      (14,157)      19,296      61%        Load Aggregation Energy Sales      -      14,157      9,295      194      9,100      98%        Transmission Sales      110      28      83      75%        Western Credits, Interest & Other Income      44,090      20,488      23,602      54%		1,705			0170	
TOTAL ANNUAL BUDGET COST      1,525,350      281,090      1,244,260      82%        LESS: THIRD PARTY REVENUE Plant ISO Energy Sales Member Resource ISO Energy Sales Revenue from Customers Customer Owned Generation ISO Energy Sales Western Resource ISO Energy Sales      244,824      43,279      201,544      82%        NCPA Contracts ISO Energy Sales Western Resource ISO Energy Sales      179,429      39,795      139,633      78%        Load Aggregation Energy Sales Western Resource ISO Energy Sales      154,466      228      154,238      100%        Load Aggregation Energy Sales      -      14,167      19,296      61%        Load Aggregation Energy Sales      -      14,167      (14,157)        Ancillary Services Sales      9,295      194      9,100      98%        Transmission Sales      110      28      83      75%        Western Credits, Interest & Other Income      44,090      20,488      23,602      54%		21 902			770/	
LESS: THIRD PARTY REVENUE Plant ISO Energy Sales      244,824      43,279      201,544      82%        Member Resource ISO Energy Sales      74,477      18,304      56,173      75%        Member Owned Generation ISO Energy Sales      179,429      39,795      139,633      78%        Customer Owned Generation ISO Energy Sales      70,212      10,397      59,815      85%        Western Resource ISO Energy Sales      45,275      6,314      38,961      86%        Western Resource ISO Energy Sales      31,463      12,167      19,296      61%        Load Aggregation Energy Sales      -      14,157      (14,157)      14,157      14,926        Member Credits, Interest & Other Income      9,295      194      9,100      98%        Transmission Sales      110      28      83      75%        Western Credits, Interest & Other Income      44,090      20,488      23,602      54%		21,802	5,104	10,099		
Plant ISO Energy Sales      244,824      43,279      201,544      82%        Member Resource ISO Energy Sales      74,477      18,304      56,173      75%        Member Owned Generation ISO Energy Sales      179,429      39,795      139,633      78%        Customer Owned Generation ISO Energy Sales      70,212      10,397      59,815      85%        Customer Owned Generation ISO Energy Sales      154,466      228      154,238      100%        NCPA Contracts ISO Energy Sales      45,275      6,314      38,961      86%        Western Resource ISO Energy Sales      -      14,157      (14,157)        Ancillary Services Sales      9,295      194      9,100      98%        Transmission Sales      110      28      83      75%        Western Credits, Interest & Other Income      44,090      20,488      23,602      54%        81%      853,641      165,352      688,289      81%	TOTAL ANNUAL BUDGET COST	1,525,350	281,090	1,244,260	82%	
Member Resource ISO Energy Sales      74,477      18,304      56,173      75%        Member Owned Generation ISO Energy Sales      179,429      39,795      139,633      78%        Revenue from Customers      70,212      10,397      59,815      85%        Customer Owned Generation ISO Energy Sales      174,477      18,304      56,173      75%        NCPA Contracts ISO Energy Sales      70,212      10,397      59,815      85%        VCPA Contracts ISO Energy Sales      45,275      6,314      38,961      86%        Western Resource ISO Energy Sales      31,463      12,167      19,296      61%        Load Aggregation Energy Sales      -      14,157      (14,157)      400      9,295      194      9,100      98%        Transmission Sales      110      28      83      75%      853,641      165,352      688,289      81%	LESS: THIRD PARTY REVENUE					
Member Resource ISO Energy Sales      74,477      18,304      56,173      75%        Member Owned Generation ISO Energy Sales      179,429      39,795      139,633      78%        Revenue from Customers      70,212      10,397      59,815      85%        Customer Owned Generation ISO Energy Sales      154,466      228      154,238      100%        NCPA Contracts ISO Energy Sales      45,275      6,314      38,961      86%        Western Resource ISO Energy Sales      31,463      12,167      19,296      61%        Load Aggregation Energy Sales      9,295      194      9,100      98%        Transmission Sales      110      28      83      75%        Western Credits, Interest & Other Income      44,090      20,488      23,602      54%        853,641      165,352      688,289      81%      81%	Plant ISO Energy Sales	244,824	43,279	201,544	82%	
Member Owned Generation ISO Energy Sales      179,429      39,795      139,633      78%        Revenue from Customers      70,212      10,397      59,815      85%        Customer Owned Generation ISO Energy Sales      154,466      228      154,238      100%        NCPA Contracts ISO Energy Sales      45,275      6,314      38,961      86%        Western Resource ISO Energy Sales      31,463      12,167      19,296      61%        Load Aggregation Energy Sales      -      14,157      (14,157)        Ancillary Services Sales      9,295      194      9,100      98%        Transmission Sales      110      28      83      75%        Western Credits, Interest & Other Income      44,090      20,488      23,602      54%        853,641      165,352      688,289      81%      81%		74,477	18,304	56,173	75%	
Customer Owned Generation ISO Energy Sales      154,466      228      154,238      100%        NCPA Contracts ISO Energy Sales      45,275      6,314      38,961      86%        Western Resource ISO Energy Sales      31,463      12,167      19,296      61%        Load Aggregation Energy Sales      -      14,157      (14,157)        Ancillary Services Sales      9,295      194      9,100      98%        Transmission Sales      110      28      83      75%        Western Credits, Interest & Other Income      44,090      20,488      23,602      54%        853,641      165,352      688,289      81%      81%						
Customer Owned Generation ISO Energy Sales      154,466      228      154,238      100%        NCPA Contracts ISO Energy Sales      45,275      6,314      38,961      86%        Western Resource ISO Energy Sales      31,463      12,167      19,296      61%        Load Aggregation Energy Sales      -      14,157      (14,157)        Ancillary Services Sales      9,295      194      9,100      98%        Transmission Sales      110      28      83      75%        Western Credits, Interest & Other Income      44,090      20,488      23,602      54%        853,641      165,352      688,289      81%      81%	Revenue from Customers	70,212	10,397	59,815	85%	
Western Resource ISO Energy Sales      31,463      12,167      19,296      61%        Load Aggregation Energy Sales      -      14,157      (14,157)        Ancillary Services Sales      9,295      194      9,100      98%        Transmission Sales      110      28      83      75%        Western Credits, Interest & Other Income      44,090      20,488      23,602      54%        853,641      165,352      688,289      81%	Customer Owned Generation ISO Energy Sales		228	154,238	100%	
Western Resource ISO Energy Sales      31,463      12,167      19,296      61%        Load Aggregation Energy Sales      -      14,157      (14,157)        Ancillary Services Sales      9,295      194      9,100      98%        Transmission Sales      110      28      83      75%        Western Credits, Interest & Other Income      44,090      20,488      23,602      54%	NCPA Contracts ISO Energy Sales		6,314			
Ancillary Services Sales      9,295      194      9,100      98%        Transmission Sales      110      28      83      75%        Western Credits, Interest & Other Income      44,090      20,488      23,602      54%        853,641      165,352      688,289      81%	Western Resource ISO Energy Sales		12,167	19,296	61%	
Transmission Sales      110      28      83      75%        Western Credits, Interest & Other Income      44,090      20,488      23,602      54%        853,641      165,352      688,289      81%		-	14,157	(14,157)		
Western Credits, Interest & Other Income      44,090      20,488      23,602      54%        853,641      165,352      688,289      81%		9,295	194	9,100		
853,641 165,352 688,289 81%	Transmission Sales	110	28	83	75%	
	Western Credits, Interest & Other Income	44,090	20,488	23,602		
NET ANNUAL BUDGET COST TO PARTICIPANTS 671 700 115 738 \$ 555 071 93%		853,641	165,352	688,289	81%	
	NET ANNUAL BUDGET COST TO PARTICIPANTS	671,709	115,738	\$ 555,971	83%	



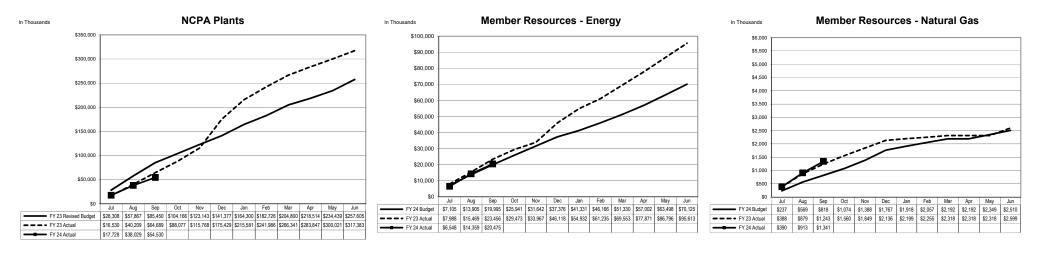


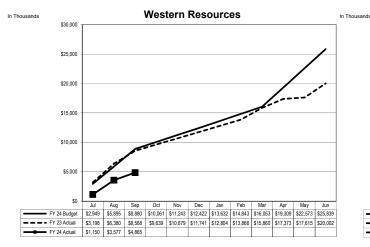
### Annual Budget Budget vs. Actual By Major Area As of September 30, 2023

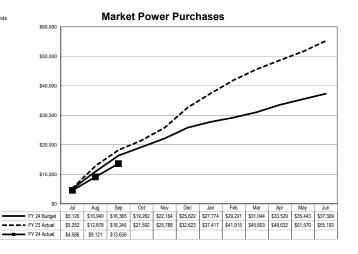


Footnote: Transmission is solely reflective of Independent System Operator (ISO) costs

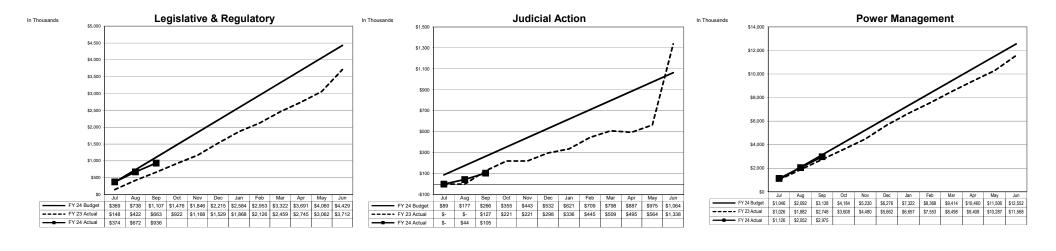
### Annual Budget Cost Generation Resources Analysis By Source As of September 30, 2023

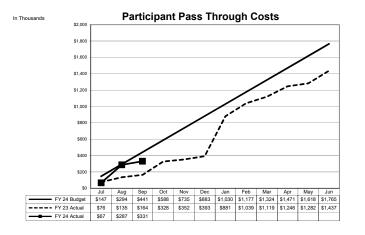




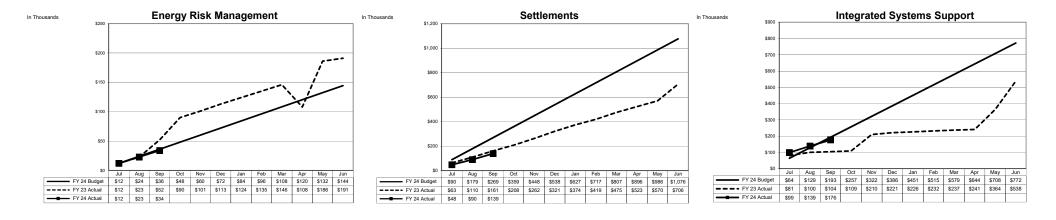


### Annual Budget Cost Management Services Analysis By Source As of September 30, 2023

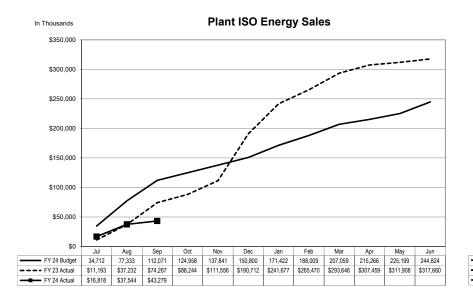


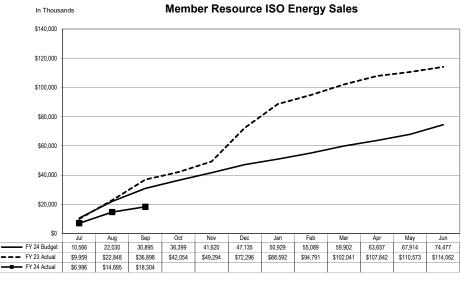


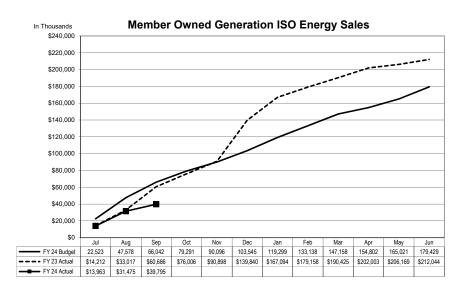
### Annual Budget Cost Management Services Analysis By Source As of September 30, 2023

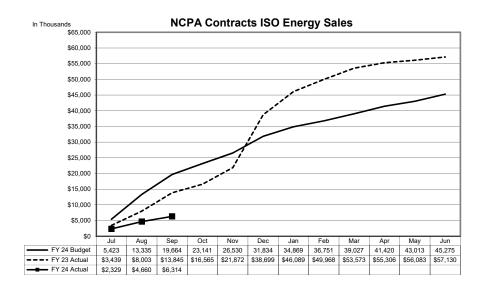


### Annual Budget Cost Third Party Revenue Analysis By Source As of September 30, 2023

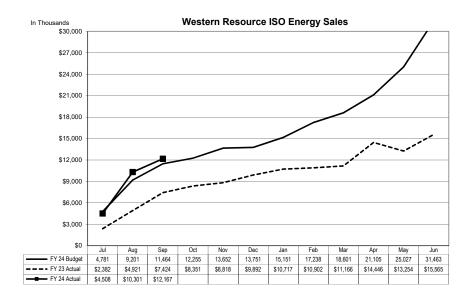


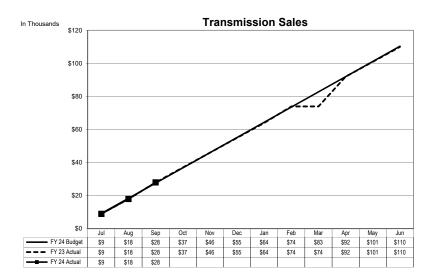


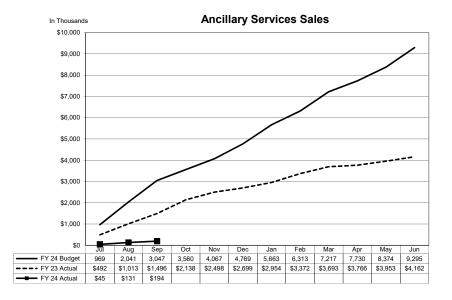


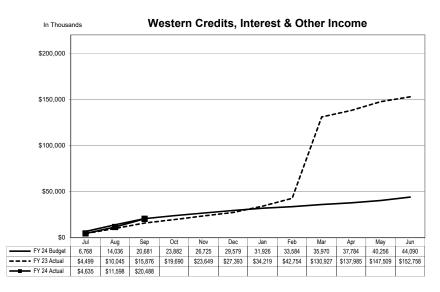


#### Annual Budget Cost Third Party Revenue Analysis By Source As of September 30, 2023









### Annual Budget NCPA Generation Detail Analysis By Plant As of September 30, 2023

### **Generation Cost Analysis**

#### \$ in thousands

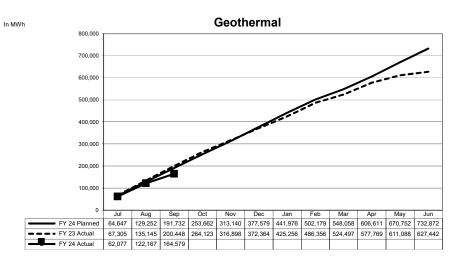
	Geothermal									
					\$/MWh	Under(Over)		YTD %		
	Budget		Actual		Actual		Budget	Remaining		
Routine O & M	\$ 18,513	\$	5,196	\$	31.57	\$	13,317	72%		
Capital Assets/Spare Parts Inventories	11,032		1,220		7.41		9,813	89%		
Other Costs	12,998		3,005		18.26		9,993	77%		
CA ISO Charges	984		223		1.35		761	77%		
Debt Service	3,482		871		5.29		2,612	75%		
Annual Budget	 47,009		10,514		63.88		36,495	78%		
Less: Third Party Revenue										
Interest Income	150		139		0.84		11	7%		
ISO Energy Sales	65,632		9,656		58.67		55,976	85%		
Ancillary Services Sales	-		-		-		-	0%		
Effluent Revenues	750		114		0.69		636	85%		
Misc	113		28		0.17		85	75%		
	66,646		9,937		60.38		56,708	85%		
Net Annual Budget Cost to Participants	\$ (19,637)	\$	577	\$	3.51	\$	(20,214)	103%		
Net GenerationMWh @ Meter	732,872		164,579							
\$/MWh (A)	\$ (31.55)	\$	(1.78)							

			Hy	droelectric	;			
				\$/MWh		nder(Over)	YTD %	
	Budget	Actual		Actual		Budget	Remaining	
Routine O & M	\$ 10,555	\$ 2,120	\$	16.01	\$	8,436	80%	
Capital Assets/Spare Parts Inventories	6,445	1,302		9.83		5,143	80%	
Other Costs	4,706	1,019		7.70		3,687	78%	
CA ISO Charges	1,298	1,137		8.58		161	12%	
Debt Service	34,646	8,661		65.41		25,984	75%	
Annual Budget	57,650	14,239		107.53		43,411	75%	
Less: Third Party Revenue								
Interest Income	150	88		0.67		62	41%	
ISO Energy Sales	47,892	11,625		87.79		36,267	76%	
Ancillary Services Sales	4,579	86		0.65		4,493	98%	
Misc	-	0		0.00		(0)	0%	
	52,622	11,799		89.10		40,822	78%	
Net Annual Budget Cost to Participants	\$ 5,029	\$ 2,440	\$	18.42	\$	2,589		
Net GenerationMWh @ Meter	412,142	132,421						
\$/MWh (A)	\$ (71.86)	\$ (46.99)	1					

### Footnotes:

(A) Aggregate fiscal year generation in \$/MWh (excluding debt service)

### MWhs Generated



Hydro In MWh 1,000,000 FY 94-95 900,000 800,000 700,000 600,000 500,000 400,000 300,000 200,000 \_ \_ \_ \_ FY 91-92 100,000 Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun FY 24 Planned 31,306 67,373 96,037 111,574 124,024 137,371 170,033 206,082 258,547 331,688 390,295 412,142 Wet 12,676 28,667 44,047 58,599 69,461 91,796 176,896 259,973 398,950 551,071 721,320 885,279 66,527 179,718 185,948 193,288 - Dry 18,574 41,592 78,750 84,000 87,598 91,693 105,353 130,546 FY 24 Actual 73,887 104,669 132,421

### Annual Budget NCPA Generation Detail Analysis By Plant As of September 30, 2023

### **Generation Cost Analysis**

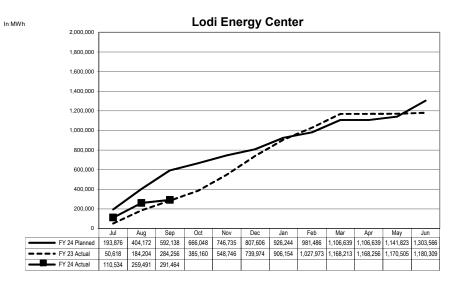
	Lodi Energy Center									
					\$/MWh	Under(Over)		YTD %		
	Budget		Actual		Actual	E	Budget	Remaining		
Routine O & M	\$ 10,580	\$	3,146	\$	10.80	\$	7,434	70%		
Fuel	71,518		11,422		39.19		60,096	84%		
GHG Allowance Costs	13,985		1,816		6.23		12,169	87%		
CA ISO Charges and Energy Purchases	1,364		914		3.14		450	33%		
Capital Assets/Spare Parts Inventories	3,913		643		2.21		3,269	84%		
Other Costs	9,445		1,595		5.47		7,850	83%		
Debt Service	25,992		6,498		22.29		19,494	75%		
Annual Budget	 136,797		26,034		89.32		110,762	81%		
Less: Third Party Revenue										
Interest Income	250		304		1.04		(54)	-22%		
ISO Energy Sales	123,919		20,317		69.71		103,602	84%		
Ancillary Services Sales	2,011		68		0.23		1,943	97%		
Transfer Gas Credit	-		-		-		-	0%		
GHG Allowance Credits	13,612		1,816		6.23		11,795	87%		
Misc	-		1		0.00		(1)	0%		
	139,791		22,506		77.22		117,285	84%		
Net Annual Budget Cost to Participants	\$ (2,994)	\$	3,528	\$	12.11	\$	(6,523)	218%		
Net GenerationMWh @ Meter	1,303,566		291,464							
\$/MWh (A)	\$ (22.24)	\$	(10.19)	1						

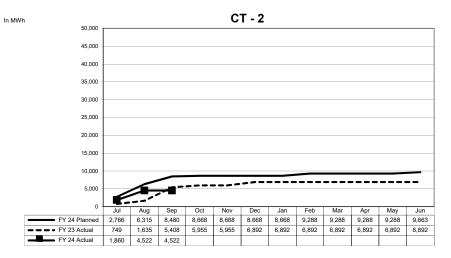
	Combustion Turbine No. 2 (STIG)										
		Compacta	\$/MWh	Under(Over)	YTD %						
	Budget	Actual	Actual	Budget	Remaining						
Routine O & M	\$ 1,674	\$ 482	\$ 106.56	\$ 1,192	71%						
Fuel and Pipeline Transport Charges	1,177	446	98.65	731	62%						
GHG Allowance Costs	171	-	-	171	100%						
Capital Assets/Spare Parts Inventories	390	2	0.50	387	99%						
Other Costs	728	164	36.34	564	77%						
CA ISO Charges	19	45	10.01	(26)	-136%						
Debt Service	5,058	1,265	279.66	3,794	75%						
Annual Budget	9,217	2,404	531.71	6,813	74%						
Less: Third Party Revenue											
Interest Income	42	53	11.79	(11)	-27%						
ISO Energy Sales	2,828	805	178.01	2,023	72%						
Ancillary Service Sales	-	-	-	2,020	0%						
Fuel and Pipeline Transport Credits	951	706	156.20	245	26%						
GHG Allowance Credits	171	-	-	171	100%						
Misc	-	0	0.01	(0)	0%						
	3,992	1,565	346.01	2,427	61%						
Net Annual Budget Cost to Participants	\$ 5,226	\$ 840	\$ 185.70	\$ 4,386	84%						
Net GenerationMWh @ Meter	9,663	4,522									
\$/MWh (A)	\$ 17.30	\$ (93.96)									

### Footnotes:

(A) Aggregate fiscal year generation in \$/MWh (excluding debt service)

### MWhs Generated

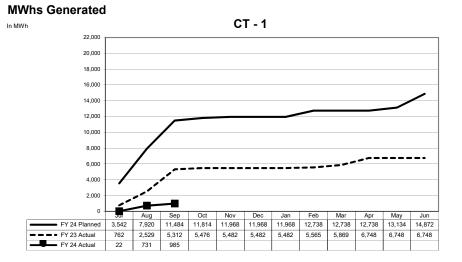




### Annual Budget NCPA Generation Detail Analysis By Plant As of September 30, 2023

### **Generation Cost Analysis**

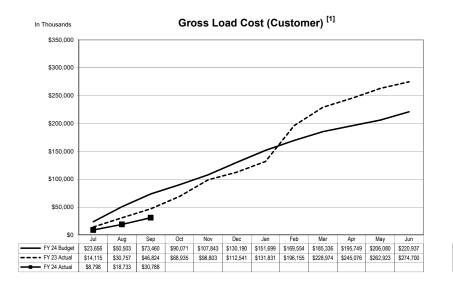
	Combustion Turbine No. 1										
	Bu	dget		Actual		\$/MWh Actual	Ur	der(Over) Budget	YTD % Remaining		
Routine O & M	\$	2,597	\$	596	\$	605.56	\$	2,000	77%		
Fuel and Pipeline Transport Charges		2,388		148		150.65		2,240	94%		
Capital Assets/Spare Parts Inventories		1,045		192		194.69		853	82%		
Other Costs		852		196		199.51		656	77%		
CA ISO Charges		50		205		208.52		(155)	-309%		
Debt Service		-		-				-			
Annual Budget		6,932		1,338		1,358.93		5,594	81%		
Less: Third Party Revenue											
Interest Income		55		42				13	23%		
ISO Energy Sales		4,552		876		889.19		3,676	81%		
Ancillary Services Sales		-		-		-		-	0%		
Misc		-		-		-		-	0%		
		4,607		918		889.19		3,689	80%		
Net Annual Budget Cost to Participants	\$	2,325	\$	420	\$	426.68	\$	1,905	82%		
Net GenerationMWh @ Meter		14,872		985							
\$/MWh (A)	\$	156.32	\$	426.68	1						

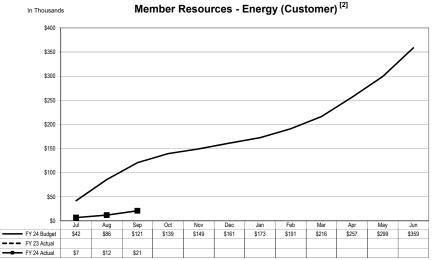


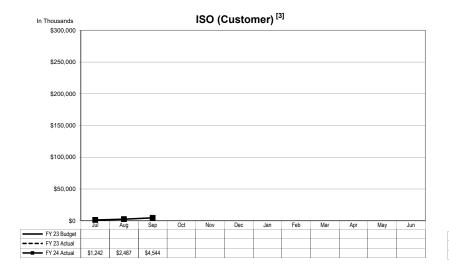
### Footnotes:

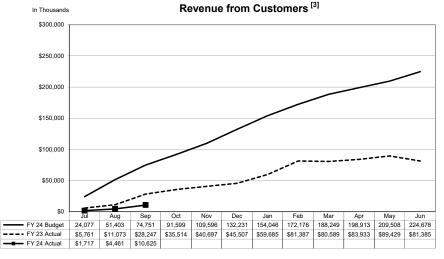
(A) Aggregate fiscal year generation in \$/MWh (excluding debt service)

#### Annual Budget Cost NCPA Customers As of September 30, 2023









Notes: 1 Energy purchased by customers

2 Power generators and customer owned resources

3 Pertains to all customers