



SEPTEMBER
2024

BUSINESS PROGRESS

REPORT



Northern California Power Agency
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Generation Costs & Reliability

Combustion Turbine Project

Unit Operation for August 2024

Unit	Availability		Production		Reason for Run
CT1 Alameda	Unit 1	Unit 2	Unit 1	207.8 MWh	CAISO / CAISO
	95.8%	95.8%	Unit 2	190.1 MWh	
Curtailments, Outages, and Comments:					
Unit 1:	8/01 @ 16:00 - 19:00; Reliability run & vibration data collection, OMS 16251099 8/17 @ 11:00 - 8/18 @ 18:14; AMP insulator cleaning, TIGO OMS 16394306				
Unit 2:	8/01 @ 1600-1900; Reliability run & vibration data collection, OMS 16251105 8/17 @ 11:00 - 8/18 @ 18:14; AMP insulator cleaning, TIGO OMS 16394309				
Unit	Availability		Production		Reason for Run
CT1 Lodi	95.2%		412.4 MWh		CAISO
Curtailments, Outages, and Comments:					
8/07 @ 18:00 - 20:00; Vibration testing, OMS 16286280 8/08 @ 11:00 - 13:00, Comms outage for wireless backup install, OMS 16279827 8/08 @ 19:00 - 19:30; Failed start, OMS 16342741 8/09 @ 01:00 - 8/10 @ 12:00; Ratchet system trouble, OMS 16344805					
Unit	Availability		Production		Reason for Run
CT2 STIG	96.9%		2,033.9 MWh		CAISO & TESTING
Curtailments, Outages, and Comments:					
8/01 @ 17:00 - 8/02 @ 18:33; Failed to start; main gas valve solenoid issue, OMS 16296681 8/07 @ 12:00 - 21:20; Emissions RATA testing, OMS 16271961					
Unit	Availability		Production		Reason for Run
LEC	100.0%		55,214 MWh		CAISO & TESTING
Curtailments, Outages, and Comments:					
8/08 @ 12:00 - 23:08; Emissions RATA testing, OMS 16421010 8/29 @ 12:00 - 20:30; Emissions RATA testing, OMS 16449308					

Maintenance Summary – Specific per asset above.

Geothermal Facilities

Availability/Production for August 2024

Unit	Availability		Net Electricity Generated/Water Delivered		Out-of-Service/Descriptors
Unit 1	100	%	27,700	MWh	Unit 1 was in service all 31 Days of August.
Unit 2	0	%	0	MWh	Unit 2 currently in outage with a 9/31/2024 return to service date.
Unit 3	N/A	%	N/A	-	Unit 3 remains out of service.
Unit 4	100	%	28,655	MWh	Unit 4 was in service all 31 days of August.
Southeast Geysers Effluent Pipeline	100	%	159.2	mgallons	Average flow rate: 3,474 gpm
Southeast Solar Plant	N/A		109,608	KWh	Year-to-date KWh: 1,084,635
Bear Canyon Pump Station Zero Solar	N/A		0	KWh	Year-to-date KWh: 397,424

* Accounts for an additional 1,415 MWh of house load for the 21KV power supply to the effluent pipeline supplied from Unit #2.

Hydroelectric Project

Availability/Production for August 2024

Units	Availability	Net Electricity Generated	Out-of-Service
Collierville Unit 1	84.76%	8105 MWh	<p>OMS 16249391- Collierville USGS discharge flow measurement 1000-1135 8/1</p> <p>OMS 16382868 - Collierville o/s 1330-1834 TIGO 8/15</p> <p>OMS 16377737 - Collierville U1 & U2 trip CB1432 trouble 1944-2359 8/14</p> <p>OMS 16345387- Collierville o/s for relay and needle maintenance 0630-1730 8/17</p> <p>OMS 16395296 Collierville U1 o/s to repair crack in runner bucket 1730 8/17 - 1504 8/21</p>
Collierville Unit 2	99.66%	9044 MWh	<p>OMS 16249391- Collierville USGS discharge flow measurement 1000-1135 8/1</p> <p>OMS 16382868 - Collierville o/s 1330-1834 TIGO 8/15</p> <p>OMS 16377737 - Collierville U1 & U2 trip CB1432 trouble 1944-2359 8/14</p> <p>OMS 16345387- Collierville o/s for relay and needle maintenance 0630-1730 8/17</p>
Spicer Unit 1	99.69%	1502 MWh	TIGO for Spicer U1 for PG&E Salt Springs work 0912-1130 8/28
Spicer Unit 2	99.69%	427 MWh	TIGO for Spicer U2 for PG&E Salt Springs work 0912-1130 8/28
Spicer Unit 3	99.31%	251 MWh	TIGO for Spicer U3 for PG&E Salt Springs work 0912-1130 8/28

Operations & Maintenance Activities:

- CMMS work orders
- Crew annual training –92% complete
- Preparation for Spicer and Collierville annual maintenance
- All vendors secured for annual maintenance
- Collierville to Bellota 230kv line1 outage for repair
- Collierville to Bellota 230kv line2 outage for repair
- Collierville unit 1 runner replaced with spare due to bucket damage
- Collierville unit 1 and unit 2 relay warranty work- 50% completed
- Collierville unit 1 and unit 2 needle leakage investigation in preparation for outage work
- 230kv vegetation maintenance -90% complete- 100% on hazard trees
- Exploring additional soil relocation locations for McKays Sediment Removal Project
- Oily Water Separator Project: parts on order
- McKays Water Handling Project: design complete, 80% complete
- Alpine dam handrail project; construction -over 98% complete
- New Spicer Reservoir spillway repairs -100% complete
- FERC approved NSM Comprehensive Assessment Inspection Plan- scheduled Oct 3rd
- Publicly bid NSM drinking water tank recoating project- scheduled Sep 16th
- Bid camp 9 pavement maintenance
- Awarded Collierville tailrace landslide repair project
- Awarded McKay's intake debris removal
- Awarded North Fork tunnel work- Schedule for the week of September 14th
- Beaver Creek Reservoir sediment survey- scheduled Oct 1st
- FM insurance inspections - completed

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

- There were no Lost Time Accidents or vehicle incidents in the month of July. A Cal OSHA Recordable incident occurred at NCPA's Geothermal plant on 8/22/2024. An employee using a knife to cut fruit in the breakroom inadvertently cut his left middle finger while wiping the knife blade with a paper towel. The employee was taken to job care where he received stitches for the wound.
- 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 August 24, 2024
- 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.

August 2024 Generation Services Safety Report

	Hydro	GEO	CT Group *	NCPA HQ **
Cal OSHA Recordable (this month)	0	1	0	0
Cal OSHA Recordable (calendar year)	1	1	1	0
Days since Recordable	40	2	167	4,412
Work Hours Since Last Recordable	1,140	468	39,877	3,129,157
LTA's (this month)	0	0	0	0
LTA's (calendar year)	0	0	0	0
Days without LTA	6,162	444	11,332	7,425
Work Hours without LTA	553,924	86,888	965,319	2,751,172
Vehicle Incident (month)	0	0	0	0
Vehicle Incident (calendar year)	0	1	0	0

* 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 August 24, 2024

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:

Current Year 2024 Data

	August 2024		Calendar Year 2024	
	Peak MW	MWh	Peak MW	MWh
NCPA Pool	425.2 8/27 @ 1800	215,235	483.54 7/11 @ 1700	1,590,558
SVP	676.2 8/27 @ 1400	420,921	704.79 7/2 @ 1700	3,152,018
MSSA	1119.8 8/27 @ 1800	636,156	1176.61 7/11 @ 1700	4,742,576

Last Year 2023 Data*

	August 2023		Calendar Year 2023	
	Peak MW	MWh	Peak MW	MWh
NCPA Pool	440.7 8/15 @ 1700	220,615	440.7 8/15 @ 1700	1,523,720
SVP	669.22 8/23 @ 1600	411,876	669.22 8/23 @ 1600	3,054,491
MSSA	1103.22 8/23 @ 1700	632,491	1103.22 8/23 @ 1700	4,578,211

*Last year's data added for comparison purposes only

System Peak Data

	All Time Peak Demand	2024 Peak Demand
NCPA Pool	517.83 MW on 7/24/06 @ 1500	483.54 7/11 @ 1700
SVP	704.79 MW on 7/2/24 @ 1700	704.79 7/2 @ 1700
MSSA	1176.61 MW on 7/11/24 @ 1700	1176.61 7/11 @ 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 5-minute 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		
	August 2024	Calendar Year 2024
MSSA % Within the Band	99.43%	98.78%

- **CAISO Restricted Maintenance Operation (RMO)**
 - August 5-7, 2024
- **CAISO Transmission Emergency**
 - None in August
- **CAISO Energy Emergency Alert (EEA)**
 - None in August
- **PG&E PSPS**
 - None in August

Pooling, Portfolio Planning & Forecasting

- NCPA Pool loads during August 2024 were 215,703 MWh versus the budget forecast of 215,367 MWh, resulting in a forecast error of 0.16%. The near average temperatures during August are reflected in the low forecast error. The weather outlook for the 8- to 14-day outlook for September is for above average temperatures and near normal precipitation. The Pool's September load forecast is 196,932 MWh compared with extrapolated actuals of 190,476 MWh as of September 16, 2024.
- Lodi Energy Center (LEC) ran 229 hours and produced 55,212 MWh during August 2024. LEC has produced 26,351 MWh from September 1, 2024, through September 16, 2024. The plant is not expected to run much over the next 14 days.
- During August 2024, 0.00" of rain was recorded at the Big Trees gauge. August average rainfall at Big Trees is 0.26".
- The Value of Storage (VOS) of New Spicer Meadow Reservoir (NSMR) has been reduced from \$100/MWh to \$80/MWh. Releases from NSMR ranged from 120cfs up to 400cfs during August.
- New Spicer Meadows storage as of August 31, 2024, was 154,047 acre-feet. The historical average storage at the end of August is 119,509 acre-feet. As of September 16th, storage was 147,414 acre-feet (78.0% of capacity of 189,000acft).
- Combined Calaveras Project generation for the Pool in August 2024 totaled 9,044 MWh, down from 15,583 MWh in July 2024.
- Western Base Resource (BR) deliveries for the Pool during August 2024 were 70,713 MWh. The Displacement Program provided an additional hedge of zero 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 September 2024 is 47,823 MWh, with 25,506 MWh having been delivered as of September 16, 2024.
- The PG&E Citygate gas index averaged \$2.73 / MMBtu during the month of August 2024 as compared to an average of \$3.12 for July. PG&E Citygate index has

averaged \$2.39 / MMBTUs during the period of September 1 through 16, 2024. PG&E Citygate forward price for October 2024 is \$2.44 / MMBtu.

- Day-Ahead PG&E DLAP electricity prices during August averaged \$43.38 / MWh on-peak and \$38.05 off-peak, with a high of \$334.02 and a low of \$3.86. For the period September 1st through the 16th on-peak prices have averaged \$46.52 on-peak and \$34.58 off-peak, with a low of \$7.29 and a high of \$502.04. The NP15 forward power prices for October 2024 are \$37.32 on-peak and \$36.30 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 November 2024:
 - Monthly System Resource Adequacy Demonstration (filed September 17, 2024)
 - Monthly Supply Plan (filed September 17, 2024)

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:

Interconnection Process Enhancements

- Interconnection Process Enhancements (IPE) Phase 1 Track 3A Revised Straw Proposal and 3B Straw Proposal
- 3A - Modifications to Transmission Plan Deliverability - Revised Straw Proposal
 - Rename Transmission Plan Deliverability (TPD) allocation groups A, B and C to represent their actual eligibility requirements – PPA group, Shortlist group, and Commercial Operation group, respectively
 - The ISO proposes discontinuing TPD allocation group D. Group D allocations reduce the amount of available transmission capacity used to determine the amount of capacity to be studied in zones that have available TPD. Group D also reduces the capacity available to a cluster's projects when they become eligible to seek an allocation.
 - Any project that did not receive an allocation and is, or has, been converted to Energy Only and later provides a PPA to modify its COD, must provide a PPA that specifies an Energy Only product. Energy Only projects cannot remain in the queue based on a PPA that is contingent on receiving or that requires TPD.
 - Discontinue the parking process.
 - Projects will have three consecutive annual opportunities to seek an allocation, beginning with the TPD allocation affidavit window for projects seeking an allocation that closes March 15 during the cluster's interconnection facility study. After the third opportunity to seek an allocation, projects that have not received an allocation will be converted to Energy Only.
 - Energy Only projects will only be eligible for an allocation through the Commercial Operation group. This will commence with the 2026 TPD allocation year for all cluster projects in the queue. Energy storage system additions, added through the modification process, will be Energy Only and remain Energy Only and only be permitted to seek a TPD allocation through the Commercial

Operation group. For Energy Only generating units that have achieved COD, the ISO will require a flat fee of \$5,000 to seek a TPD allocation in the cycle, due with the TPD affidavit.

- GIA tendering, execution, and associated financial requirements are as defined in the ISO’s FERC Order No. 2023 compliance filing, irrespective of TPD cycles.
- Beginning in 2025, the “TPD seeking affidavit” due date will be March 15, and the “TPD retention affidavit” due date will be February 1st, 45 days prior to the TPD seeking TPD affidavits. The February 1st due date for retention affidavits will allow interconnection customers that are not able to retain their TPD through the retention process to seek a new allocation in the March 15 process for seeking an allocation (if the cluster has not exhausted its three opportunities to seek an allocation).
- Affidavits and substantiating documentation will be assessed based on the documents submitted by the TPD-retention or TPD-seeking affidavit due dates.
- Modifications to the TPD scoring criteria.

Points (select one per category)	Permitting (existing process)	Power Purchase Agreement Status (PPA group)	Shortlist Status (Shortlist group)	Expansion of a Generation Facility
10	Has Final government permit to construct			
7				Expansion of a facility that is under construction or in operation, where the Gen-Tie already has sufficient surplus capability to accommodate the additional resource
5	Draft Environmental Report w/no significant impact that cannot be mitigated	Has a regulatory approved PPA ⁷		Expansion of an operating facility
3	Data adequate	IC is a load-serving entity constructing its project to serve	IC is actively negotiating a power	Expansion of a generation facility that is currently under construction

		its own Load pursuant to a regulatory requirement	purchase agreement	
1	Applied			
0 (Min. Req.)		Has an executed PPA	No power purchase agreement, included in shortlist	

Points (additive, for all eligible item)	GIA Related Scoring (tariff references from ISO's FERC Order No. 2023 compliance filing)
2	Has provided to the ISO the required GIA Deposit (Appendix KK, Section 13.3)
2	The Participating TO has received written authorization to proceed with construction from the Interconnection Customer in accordance with Article 5.6.3 of the LGIA (Appendix LL). Performance of these obligations under SGIA (Appendix MM) shall be as defined in Article 5.6.3 of Appendix LL (LGIA).
3	The Interconnection Customer has provided payment and security to the Participating TO in accordance with Article 5.6.4 of the LGIA (Appendix LL). Performance of these obligations under SGIA (Appendix MM) shall be as defined in Article 5.6.4 of Appendix LL (LGIA).

- Section 8.9.1 of the GIDAP and RIS will be the basis for reserving and allocating TPD from public policy network upgrades in the TPP to the long lead-time resources those upgrades were intended to support, namely, the resources that meet specific CPUC portfolio requirements. Currently, such resources include offshore wind, out of-state wind, and geothermal. Sections 8.9.1(b) and (c) allow the ISO to reserve TPD capacity for resources outside the ISO and resources internal to the ISO that are designated as resource technologies, and in locations, that are needed to meet state policy goals.
- Track 3B - Additional Streamlining Initiatives
 - The ISO proposes to prioritize interim deliverability allocations based on the date the generating unit received the TPD allocation rather than its interconnection request date. If the TPD allocation date is the same, then interim deliverability would be allocated by queue position. If the queue position is the same, the allocation would be by the lowest distribution factor. And if the distribution factor is the same, the allocation would be by the lowest flow impact.

<https://stakeholdercenter.caiso.com/StakeholderInitiatives/Interconnection-process-enhancements-2023>

Western

Western Base Resource Tracking - NCPA Pool							
	Actual			Costs & Rates			
	BR Forecast ¹ (MWh)	BR Delivered (MWh)	Difference (MWh)	Base Resource & Restoration Fund (\$)	Monthly Cost of BR ² (\$/MWh)	CAISO LMP Differential ³ (\$/MWh)	12-Mo Rolling Avg. Cost of BR ⁴ (\$/MWh)
Jul-24	90,799	88,567	(2,232)	\$956,420	\$ 10.80	\$ 0.20	\$ 15.62
Aug-24	67,332	70,713	3,381	\$956,420	\$ 13.53	\$ 0.01	\$ 14.96
Sep-24	50,640	-		\$1,152,089	\$ 22.75	\$ -	\$ 14.53
Oct-24	26,102	-		\$710,198	\$ 27.21	\$ -	\$ 15.23
Nov-24	16,200	-		\$710,198	\$ 43.84	\$ -	\$ 15.61
Dec-24	961	-		\$710,198	\$ 739.02	\$ -	\$ 16.18
Jan-25	12,152	-		\$710,198	\$ 58.44	\$ -	\$ 16.62
Feb-25	18,340	-		\$710,198	\$ 38.72	\$ -	\$ 18.84
Mar-25	12,710	-		\$710,198	\$ 55.88	\$ -	\$ 21.21
Apr-25	40,440	-		\$1,487,858	\$ 36.79	\$ -	\$ 23.11
May-25	72,726	-		\$1,487,858	\$ 20.46	\$ -	\$ 24.16
Jun-25	77,220	-		\$1,487,858	\$ 19.27	\$ -	\$ 24.93
1/ As forecasted in NCPA 24/25 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). 4/ Based on BR Delivered (Actual) when available and BR Forecast in all other cases. Includes CAISO LMP impact.							

- NCPA Pool received 70,713 MWh of Base Resource (BR) energy in August 2024. The estimated MEEA savings is about \$780. There were no displaced energy this month.
- Re-initiation of Consultation of the Long-Term Operations (ROC on LTO)
 - 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.
 - There has been ongoing coordination activities between WAPA, Reclamation and Power Customers since last year. Participating Cooperating Agencies (including NCPA, WAPA and other power customers) submitted comments to the cooperating agency draft Environmental Impact Statement (EIS).
 - The primary focus was on emissions impact related to volume and timing of hydro and grid reliability.
 - Public Draft EIS was published on July 26. NCPA submitted comments before the September 9, 2024 due date.
 - Reclamation is still targeting Record of Decision by end of 2024.

- Extended Day-Ahead Market (EDAM)
 - WAPA SNR has been participating in the EDAM discussions with CAISO and BANC. They have not officially announced the decision to join EDAM but they will likely make the decision this fall. The earliest WAPA can join EDAM is Spring 2027.
 - Integration with the existing Power Marketing Plan.
 - CVP generators will bid into EDAM and receive payment by Locational Marginal Price (LMP) at their respective locations (Shasta, Folsom, and New Melones). Bid into EDAM and schedules into CAISO directly, rather than import.
 - They plan to create a CVP Trading Hub. The price will be the weighted average of the hourly LMPs at the three CVP generation aggregates weighted by the EDAM schedules.
 - WAPA will transfer energy to preference customers by Inter-SC Trade (IST) at the CVP Trading Hub.
 - Transmission Loss Revenue Recovery
 - WAPA will continue to recover transmission losses according to its rate schedule. The CVP generation covering the losses for non-preference power will be paid the LMP in EDAM; and WAPA will collect the balance from the transmission customers when the CVP generation cost is greater than the LMP.
 - Preference customers will continue to pay transmission losses for delivering Preference Power through the power revenue requirements.
 - Resource Adequacy
 - Based on preliminary discussions with the CAISO staff, CVP can be recognized in EDAM as Use Limited Resource (ULR) and Conditionally Available Resource (CAR). As such CVP generation will not be subject to “must offer” obligation.
 - If CVP generators can be treated as ULR and CAR, WAPA plans to offer System Resource Adequacy to its preference customers after joining EDAM. The details have yet to be worked out.
 - WAPA has transmission rights to deliver preference power in BANC. Preference customers (Load Serving Entities) in the CAISO must obtain Maximum Import Capability (MIC) in the CAISO BAA through the CAISO’s allocation process.
 - Latest update: WAPA checked with CAISO about whether the existing RA rules allows CVP resources to be claimed for RA. WAPA indicated they will need to go through the registration process to see if the CVP resources qualify.
 - WAPA has held four EDAM customer meetings this summer. The last/4th meeting was held on August 22. In this meeting, WAPA notes required changes to the 2025 BR Contract if they make the decision to join EDAM. They are expecting updates to the contract mid-late 2025 or early 2026.
 - WAPA noted that they would need customer input for Displacement program. WAPA and customers to have a separate call to discuss the Displacement program later this year.

- 2024 PACI Rates for Short-Term Sales
 - On August 30, 2024, WAPA sent out the rate notification regarding the new Pacific Alternating Current Intertie (PACI) Rates for Short Term Sales. This includes Rate Schedules PACI T4 Cost Based Point-to-Point (PTP) Transmission Service and PACI T5 Equitable PTP Transmission Service. The new rates are effective October 1, 2024 through September 30, 2025.

Interconnection Affairs

Rate Case Update – TO18 – TO19 and TO20 Refunds

- PG&E proposed a settlement offer. NCPA and Joint Interveners have reached a settlement in principle with PG&E. Settlement has been filed at FERC; awaiting FERC decision.

TO Rate Case Program Update

Program Agreement

- March 28 – NCPA Commission approved the Program Agreement
- April 22 – Staff requested participants to seek approval and to execute Program Agreement
- Once all participants have executed the Program Agreement by signature, NCPA will sign the Program Agreement to make it effective

Rate Case Activities

PG&E TO-21 – In Settlement Phase

- Aug 16 – JIs and Trial Staff are to provide offers to PG&E
- Aug 27 – settlement conference
- Aug 30 – PG&E will provide JIs and Trial Staff with a counteroffer
- Sept 3 – Status report to Settlement Judge
- Sept 17 and 18 – potential in person Settlement in DC, at FERC

PG&E RTO Adder

- FERC rejected PG&E adder of 50 basis (\$40M decrease in TRR for rate year 2024)
- PG&E, SCE, EEI requested rehearing on RTO Adder ruling
- FERC denied IOU request for rehearing

- Current Status
 - PG&E appealed the FERC decision in 9th circuit court
 - NCPA will intervene in this proceeding
 - FERC trial staff to litigate

SDG&E RTO Adder

- NCPA and JI exploring ways to remove SDG&E adder (potential savings of ~\$20M from TRR)
- \$391K NCPA savings annually
- Complaint filed at FERC

PG&E and SCE RY2025 Annual Updates

	2024 Rate	2025 Est Rate	Rate Change (%)
HV TAC	\$ 11.62	\$ 13.71	18%
LV TAC	\$ 18.47	\$ 21.67	17%

- Next steps in PG&E and SCE RY2025 Annual Updates
 - NCPA cost of service consultant is tasked with performing a technical analysis to determine major contributing factors to the rate increases
 - Numbers are subject to change especially since PG&E and SCE have not filed their 2025 Transmission Revenue Balancing Accounts
 - Joint Interveners (including NCPA) will engage in the 2025 TRR review process to negotiate with PG&E and SCE over amounts found to be excessive or unsupported

Debt and Financial Management

- The Consumer Price Index (CPI) cooled to 2.5% in August, down from 2.9% in July. This marks the smallest annual increase since February 2021 and suggests that inflation is well on the way to the Federal Reserve's 2% target.
- At their September meeting, the Federal Reserve cut interest rates for the first time since the beginning of the pandemic, lowering borrowing costs by a half-point in a move that should bring relief to households and businesses straining under elevated rates. The more aggressive approach suggests that officials are proactively trying to ease the pressure off the economy and keep the job market from slowing further. The benchmark rate now sits between 4.75 and 5 percent.
- In addition to approving the half-percentage-point cut, Fed policymakers projected the benchmark interest rate would fall by another half of a percentage point by the end of this year, a full percentage point next year, and half of a percentage point in 2026. However, they cautioned that the outlook that far into the future is necessarily uncertain.

Schedule Coordination Goals

Network

- IS Ops and Support team is performing a needs assessment and evaluating new products for potentially upgrading or transitioning to a new SCADA solution for the Dispatch Control Center. Work is being performed in preparation for budgeting for the FY25-26.
- IS continues the work toward preparing the HQ and DRC Control Centers to be compliant with the NERC CIP Medium standards. Currently working with NovaSync to develop the central repository for evidence-based documents.
- After several interviews seeking to backfill the vacant Oracle Database Administrator position, an offer has been accepted to the best qualified candidate, Kim Prince. She is expected to start at the end of September.
- The network team is working closely with Lodi Generation Services staff to implement a redundant wireless ECN network for real-time SCADA telemetry at Lodi Energy Center. This will enhance the resiliency of the communications in the event the primary circuit fails.

Software Development

- Scheduling and bidding applications support activities:
 - New resource integrations coming up for AVA/EBCE (Tumbleweed Energy Storage), SCP and SJCE (Fish Lake Geothermal), and SJCE (Middle River and West Tambo projects). West Tambo is anticipated for COD this month.

- NCPA IS team is upgrading the Scheduling Web Service that enables Roseville to submit their Energy schedules through Aces Power Marketer, anticipating production roll out this month.
- NCPA IS team continues to provide technical support and coordination for Accounting on the major GL Code Restructuring project.
- NCPA IS garnered approval from the IT Steering Committee to seek a replacement to its legacy Timekeeping applications for both Unpresented and Union employees. The IS Team is working on an RFI/RFP draft and to form a project team.

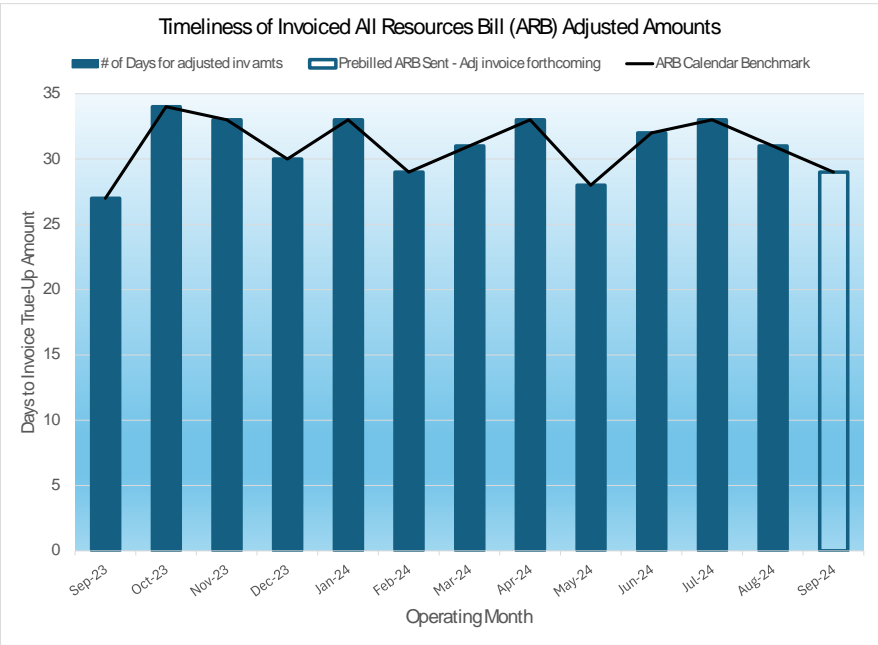
NCPA Bills & Settlements

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 September 2024 NCPA All Resources Bill (ARB) monthly invoice sent to members on August 26, 2024 contains:

- September 2024 monthly pre-billed budget/forecast amounts;
- August 2024 (1st Adjustment) NCPA Project and CAISO Initial settlement true-ups;
- July 2024 (2nd Adjustment) NCPA Project settlement true-up and T+20 business day recalculated CAISO settlement true-up allocations;
- May 2024 (3rd Adjustment) T+70 business day recalculated CAISO settlement true-up allocations and NCPA Projects true-up;
- September 2023 (4th Adjustment) T+11-month recalculated CAISO settlement true-up allocations;
- November 2022 (5th Adjustment) T+21-month recalculated CAISO settlement true-up;
- August 2022 (6th Adjustment) T+24-month recalculated CAISO settlement true-up.



Human Resources

Hires:

- Erin Sanford joined NCPA's Legislative and Regulatory team as Manager of Legislative Affairs and External Relations, effective August 12, 2024. Erin joins us from Booz Allen Hamilton, where she was responsible for supporting clients in managing external engagements and communications and in building community partnerships to amplify philanthropic impact and support government relations, business development, brand awareness, and talent acquisition. In this role, she served as an advisor for communications and outreach for Navy/Marine Corps teams across the globe. Previously, Erin also worked as a congressional and external affairs specialist for the Federal Bureau of Investigation (FBI) in Washington, DC, and after relocating to San Diego, she continued to manage public affairs and outreach for the FBI on a local and regional basis out of the agency's San Diego Division. She also brings experience as a former congressional staffer on Capitol Hill, having worked in the Offices of Representatives Doug Ose and Joel Hefley. Erin holds a Bachelor of Arts degree from the University of California, Berkeley, where she studied political science.

Intern Hires:

- None.

Promotions:

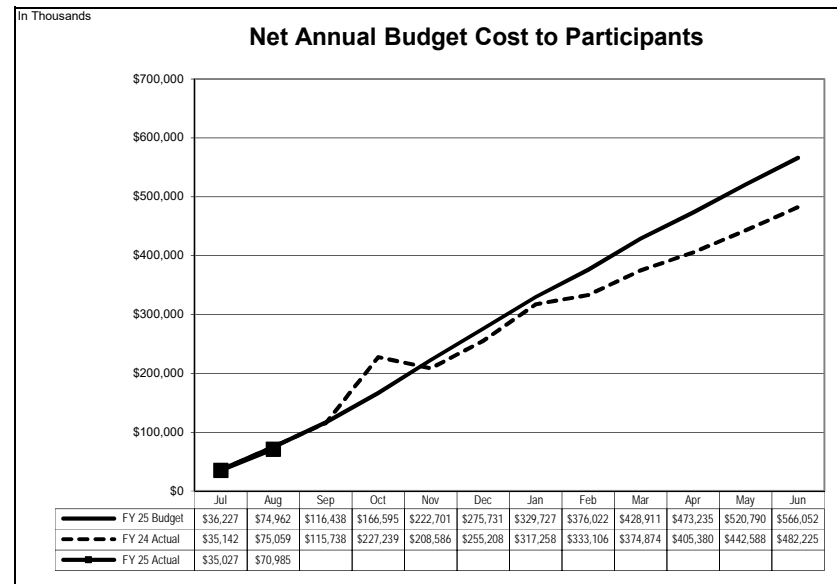
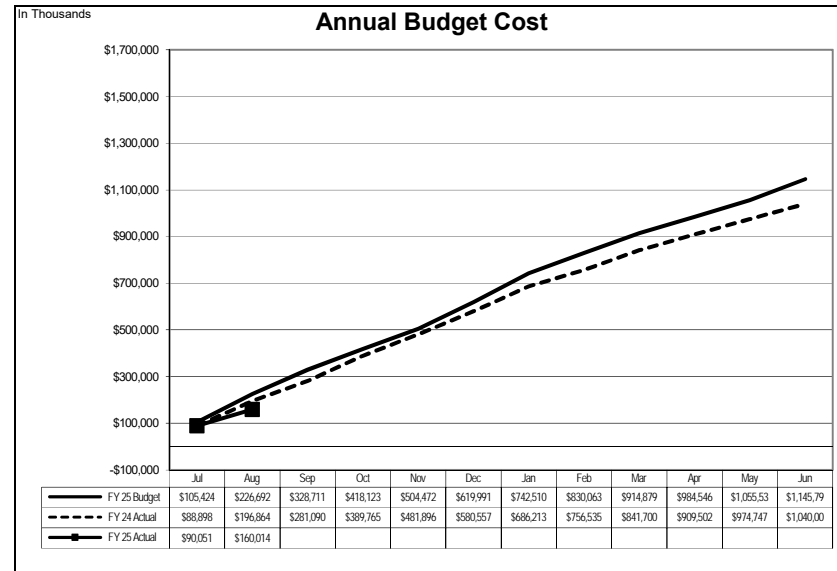
- Cheryl Bolt was promoted to Administrative Assistant/Office Administrator II, Power Management, effective August 25, 2024. In this new role, Cheryl will bring her strengths and experience to the Power Management department as they strive to achieve strategic goals in serving NCPA's Members.

Separations:

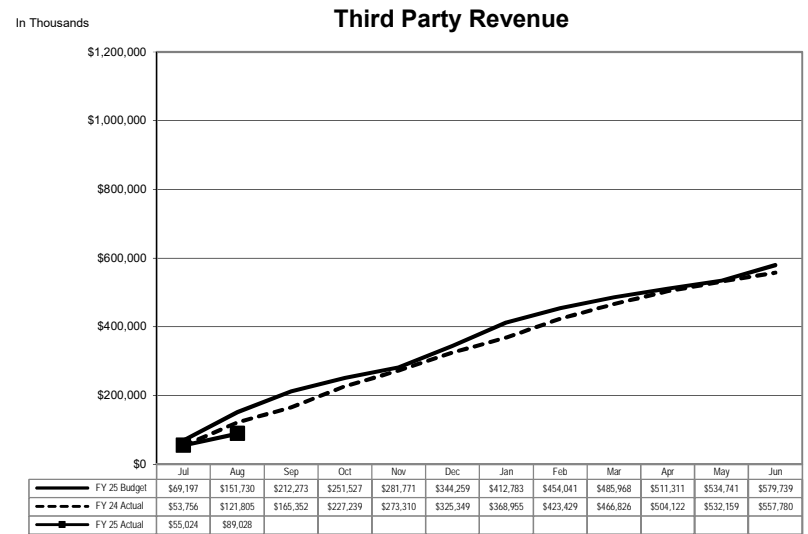
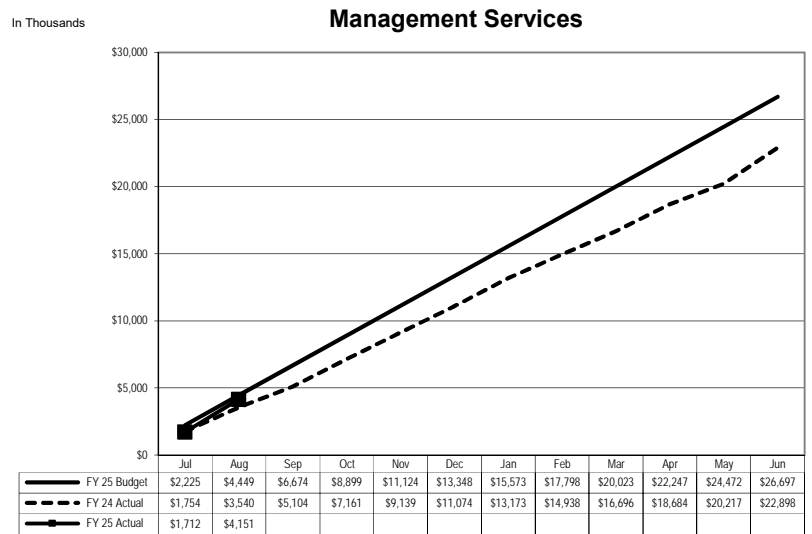
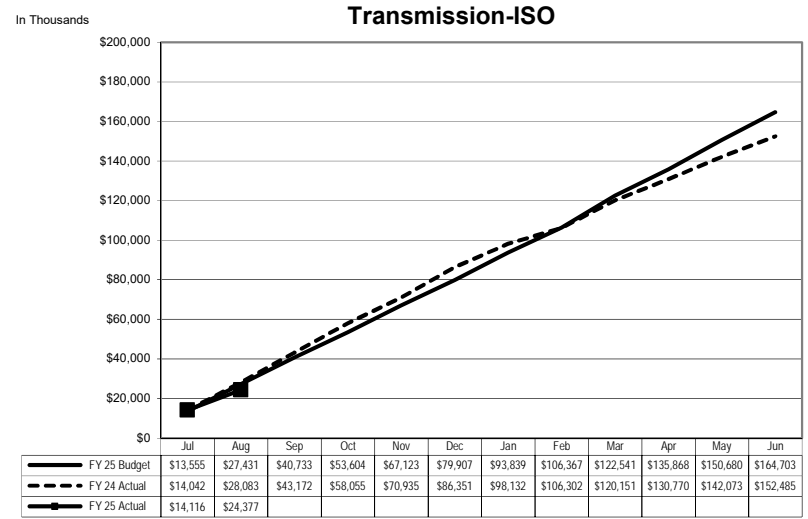
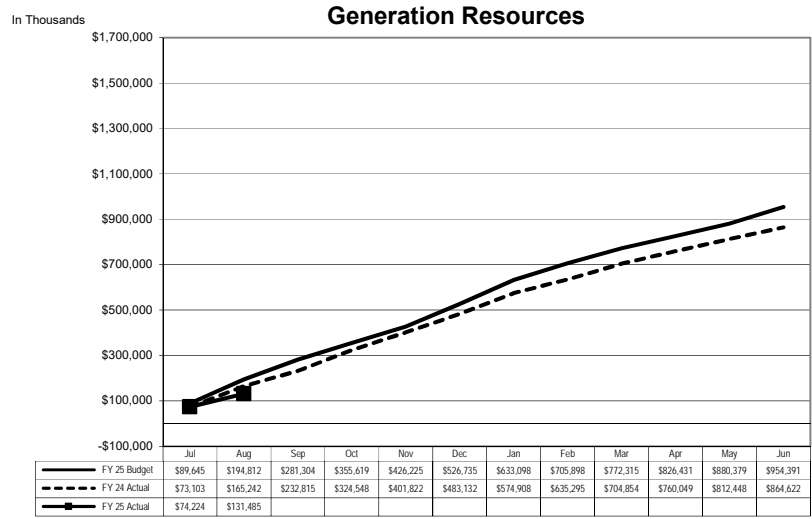
- None.

**Annual Budget
2024-2025 Fiscal Year To Date
As of August 31, 2024**

In Thousands	Program			
	Budget	Actual	Under(Ovr) Budget	YTD % Remaining
GENERATION RESOURCES				
NCPA Plants				
Hydroelectric	58,647	9,601	\$ 49,047	84%
Geothermal Plant	47,043	8,669	38,374	82%
Combustion Turbine No. 1	5,451	1,190	4,261	78%
Combustion Turbine No. 2 (STIG)	6,696	1,403	5,293	79%
Lodi Energy Center	158,252	14,041	144,211	91%
	276,090	34,904	241,185	87%
Member Resources - Energy	53,766	16,880	36,885	69%
Member Resources - Energy (Customer)	-	0	(0)	
Member Resources - Natural Gas	5,432	1,312	4,121	76%
Western Resource	23,246	3,463	19,783	85%
Market Power Purchases	48,566	6,915	41,650	86%
Gross Load Costs	545,184	62,344	482,840	89%
Gross Load Costs (Customer)	-	5,061	(5,061)	
Net GHG Obligations	2,108	605	1,503	71%
	954,391	131,485	822,906	86%
TRANSMISSION				
Independent System Operator	164,703	24,055	140,648	85%
Independent System Operator - Customer	-	323	(323)	
	164,703	24,377	140,325	85%
MANAGEMENT SERVICES				
Legislative & Regulatory				
Legislative Representation	2,361	373	1,988	84%
Regulatory Representation	829	80	748	90%
Western Representation	599	59	540	90%
Customer Programs	666	74	592	89%
	4,456	587	3,869	87%
Judicial Action	1,240	63	1,177	95%
Power Management				
System Control & Load Dispatch	11,750	1,776	9,974	85%
Forecasting & Prescheduling	3,243	462	2,781	86%
Industry Restructuring	428	49	378	88%
Contract Admin, Interconnection Svcs & Ext. Affairs	1,305	210	1,095	84%
Gas Purchase Program	86	10	77	89%
Market Purchase Project	124	14	111	89%
	16,936	2,520	14,416	85%
Energy Risk Management	176	29	147	84%
Settlements	1,217	142	1,075	88%
Integrated System Support	705	84	620	88%
Participant Pass Through Costs	1,968	114	1,853	94%
Support Services	-	612	(612)	
	26,697	4,151	22,546	84%
TOTAL ANNUAL BUDGET COST	1,145,791	160,014	985,778	86%
LESS: THIRD PARTY REVENUE				
Plant ISO Energy Sales	217,597	22,688	194,909	90%
Member Resource ISO Energy Sales	44,227	11,493	32,734	74%
Member Owned Generation ISO Energy Sales	156,158	21,395	134,762	86%
Customer Owned Generation ISO Energy Sales	1,469	(1,565)	3,034	207%
NCPA Contracts ISO Energy Sales	50,552	2,996	47,556	94%
Western Resource ISO Energy Sales	41,305	7,852	33,452	81%
Load Aggregation Energy Sales	-	2,533	(2,533)	
Ancillary Services Sales	6,817	616	6,201	91%
Transmission Sales	110	18	92	83%
Western Credits, Interest & Other Income	61,504	21,000	40,504	66%
	579,739	89,028	490,711	85%
NET ANNUAL BUDGET COST TO PARTICIPANTS	566,052	70,985	\$ 495,067	87%

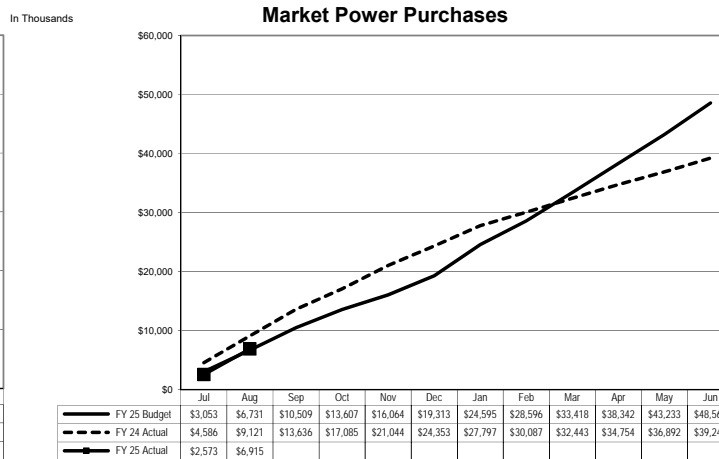
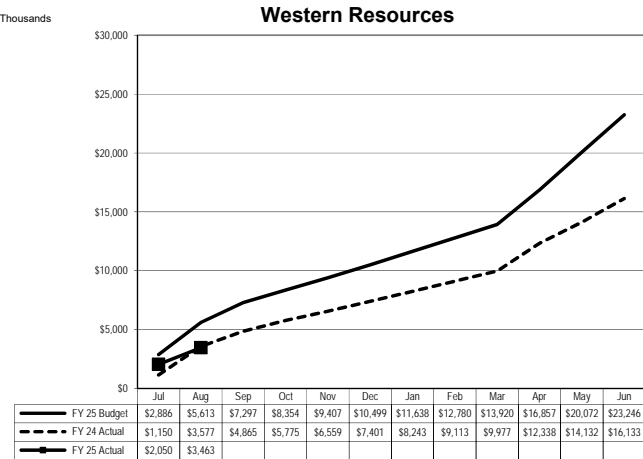
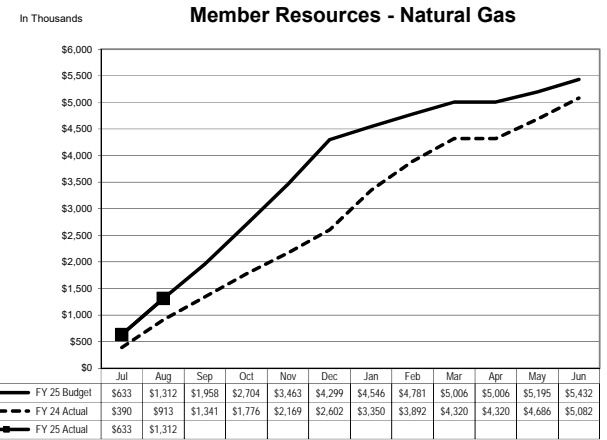
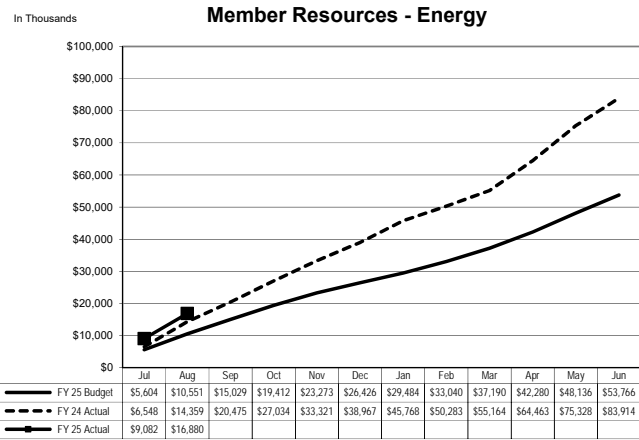
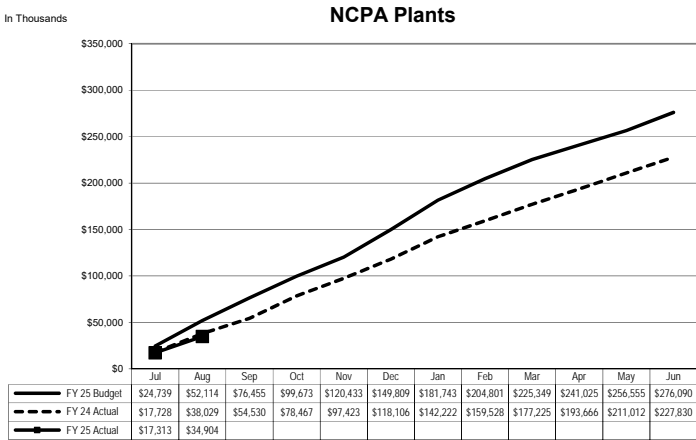


Annual Budget Budget vs. Actual By Major Area As of August 31, 2024

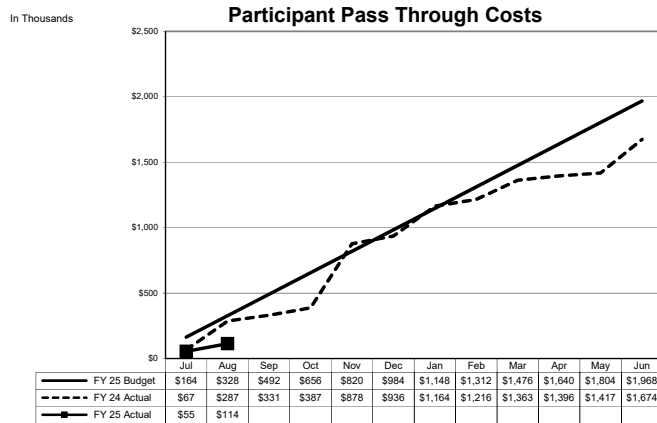
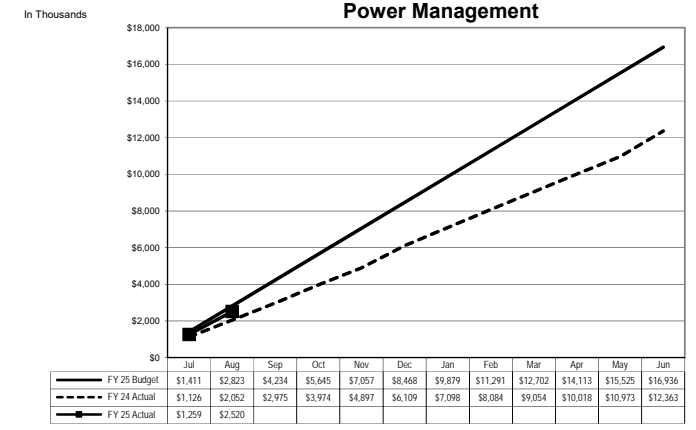
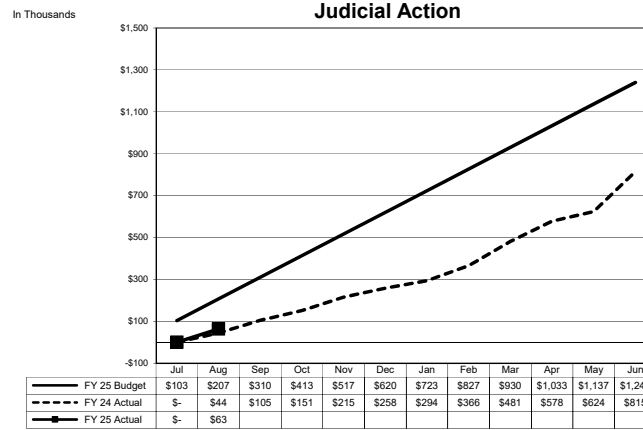
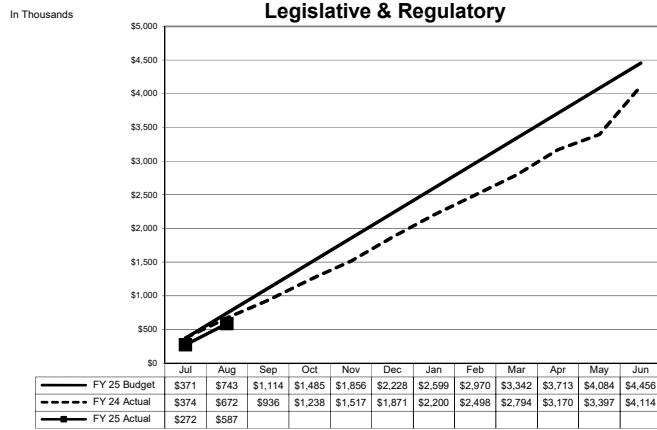


Footnote: Transmission is solely reflective of Independent System Operator (ISO) costs

Annual Budget Cost Generation Resources Analysis By Source As of August 31, 2024



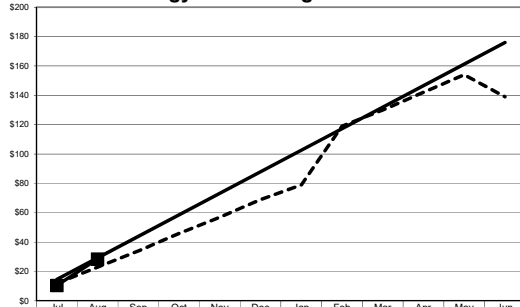
Annual Budget Cost Management Services Analysis By Source As of August 31, 2024



Annual Budget Cost Management Services Analysis By Source As of August 31, 2024

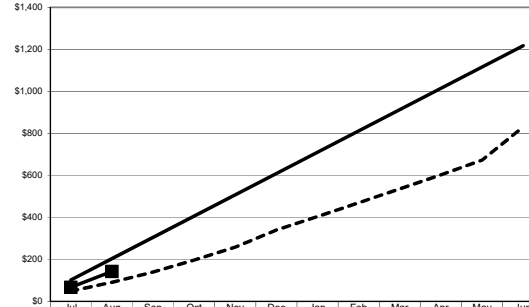
In Thousands

Energy Risk Management



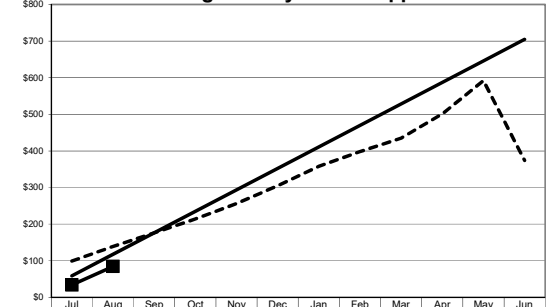
In Thousands

Settlements



In Thousands

Integrated Systems Support



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
FY 25 Budget	\$15	\$29	\$44	\$59	\$73	\$88	\$103	\$117	\$132	\$147	\$161	\$176
FY 24 Actual	\$12	\$23	\$34	\$46	\$57	\$69	\$79	\$119	\$130	\$142	\$154	\$139
FY 25 Actual	\$11	\$29										

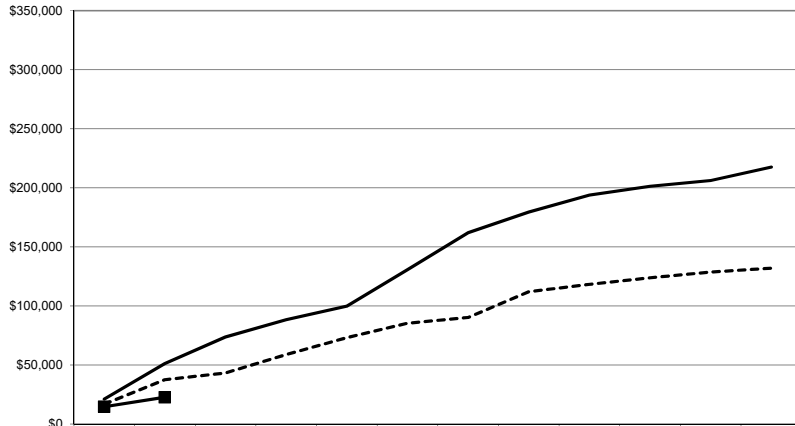
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
FY 25 Budget	\$101	\$203	\$304	\$406	\$507	\$609	\$710	\$811	\$913	\$1,014	\$1,116	\$1,217
FY 24 Actual	\$48	\$90	\$139	\$196	\$258	\$339	\$403	\$469	\$535	\$602	\$672	\$830
FY 25 Actual	\$67	\$142										

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
FY 25 Budget	\$59	\$117	\$176	\$235	\$294	\$352	\$411	\$470	\$528	\$587	\$646	\$705
FY 24 Actual	\$99	\$139	\$176	\$214	\$256	\$305	\$358	\$398	\$435	\$501	\$592	\$374
FY 25 Actual	\$34	\$84										

**Annual Budget Cost
Third Party Revenue Analysis By Source
As of August 31, 2024**

In Thousands

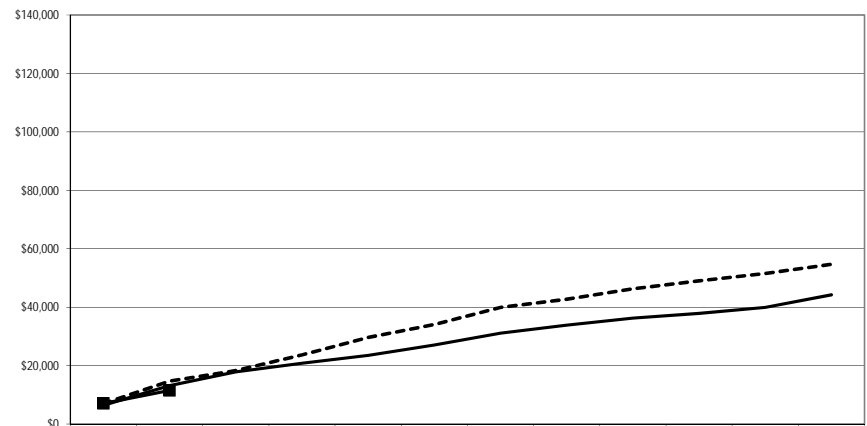
Plant ISO Energy Sales



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
FY 25 Budget	21,165	51,190	73,678	88,293	99,914	130,720	162,114	179,584	193,829	201,365	206,255	217,597
FY 24 Actual	\$16,818	\$37,544	\$43,279	\$58,890	\$73,180	\$85,382	\$90,245	\$112,046	\$118,334	\$123,898	\$128,708	\$131,973
FY 25 Actual	\$14,660	\$22,688										

In Thousands

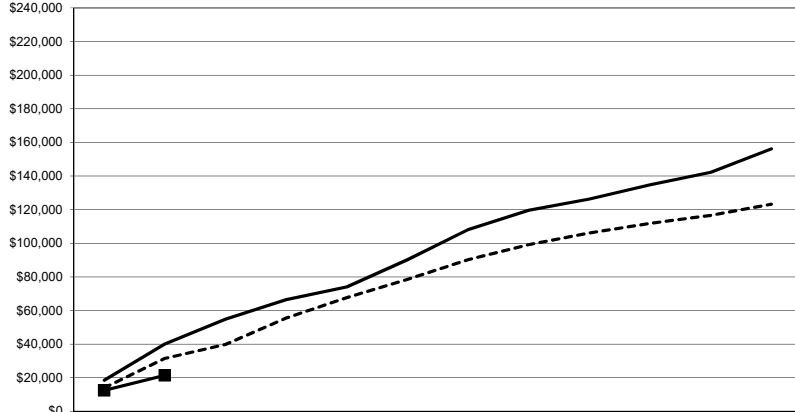
Member Resource ISO Energy Sales



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
FY 25 Budget	6,414	13,119	17,857	20,786	23,500	27,075	31,118	33,848	36,231	37,839	39,941	44,227
FY 24 Actual	\$6,996	\$14,695	\$18,304	\$23,636	\$29,636	\$34,040	\$39,909	\$42,722	\$46,297	\$49,020	\$51,534	\$54,662
FY 25 Actual	\$7,047	\$11,493										

In Thousands

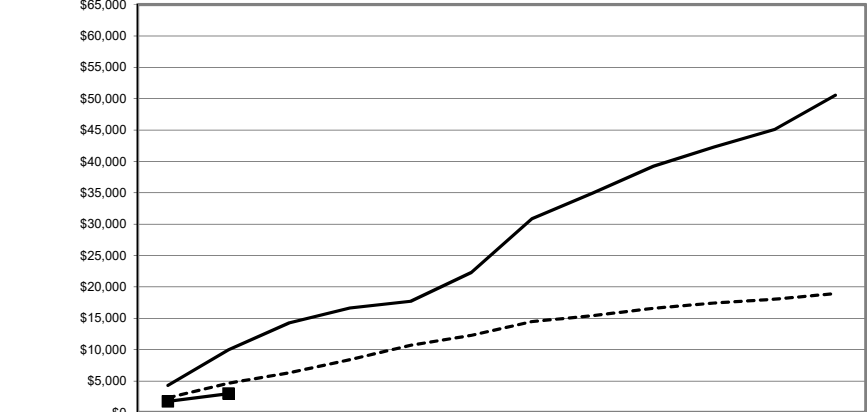
Member Owned Generation ISO Energy Sales



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
FY 25 Budget	18,517	40,063	54,881	66,404	74,060	90,218	108,120	119,618	126,292	134,768	142,169	156,158
FY 24 Actual	\$13,963	\$31,475	\$39,795	\$55,497	\$67,642	\$78,555	\$90,260	\$99,221	\$106,097	\$111,870	\$116,616	\$123,234
FY 25 Actual	\$12,457	\$21,395										

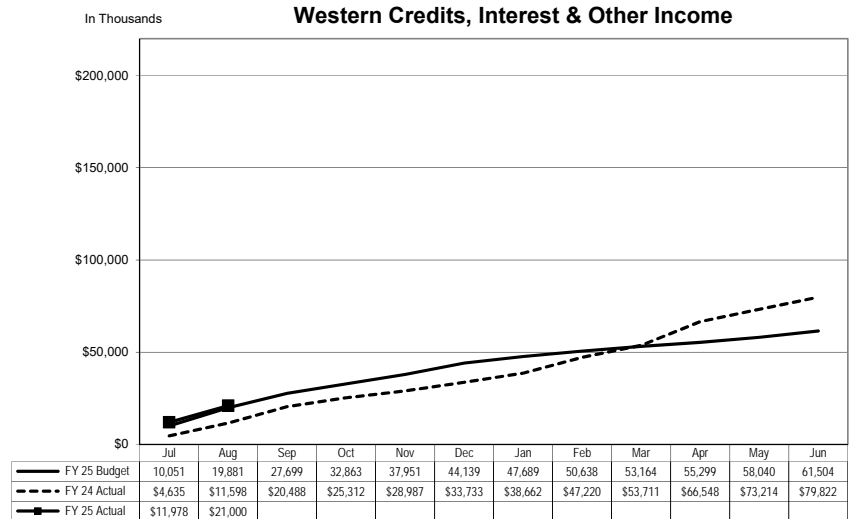
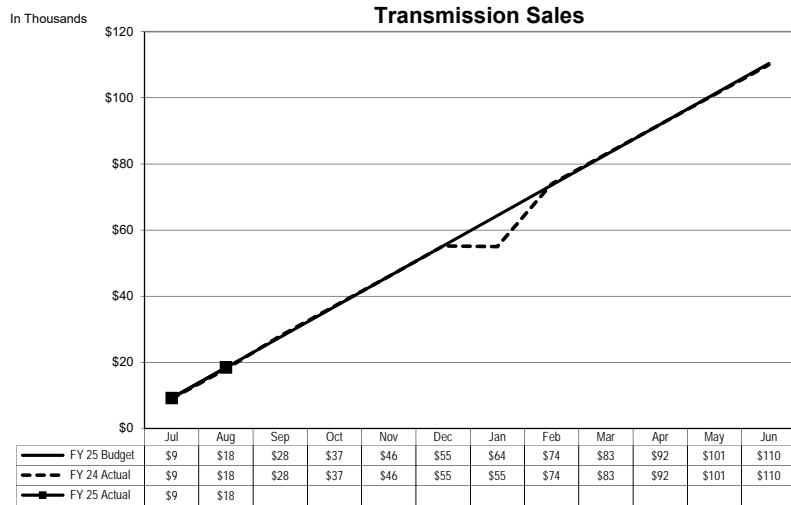
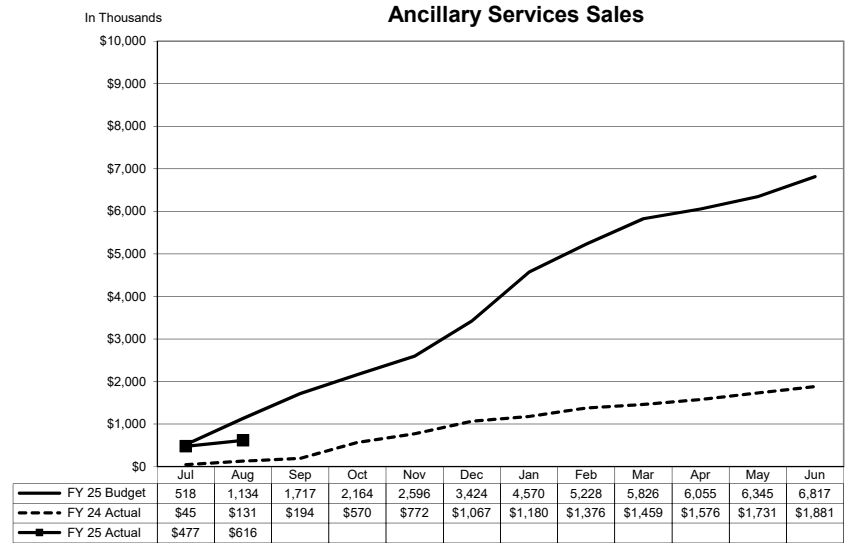
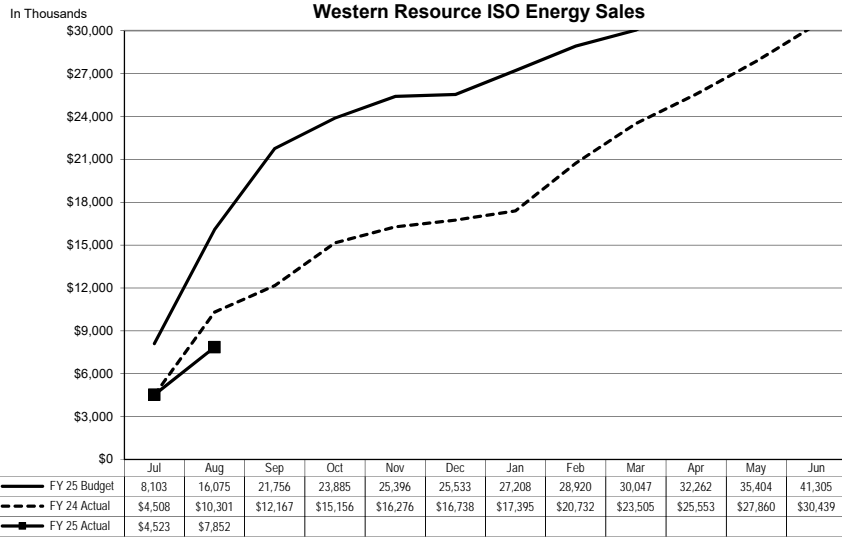
In Thousands

NCPA Contracts ISO Energy Sales



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
FY 25 Budget	4,298	9,984	14,275	16,631	17,705	22,312	30,868	34,949	39,225	42,287	45,099	50,552
FY 24 Actual	\$2,329	\$4,660	\$6,314	\$8,406	\$10,704	\$12,270	\$14,469	\$15,420	\$16,604	\$17,428	\$18,039	\$18,943
FY 25 Actual	\$1,754	\$2,996										

**Annual Budget Cost
Third Party Revenue Analysis By Source
As of August 31, 2024**



**Annual Budget
NCPA Generation Detail Analysis By Plant
As of August 31, 2024**

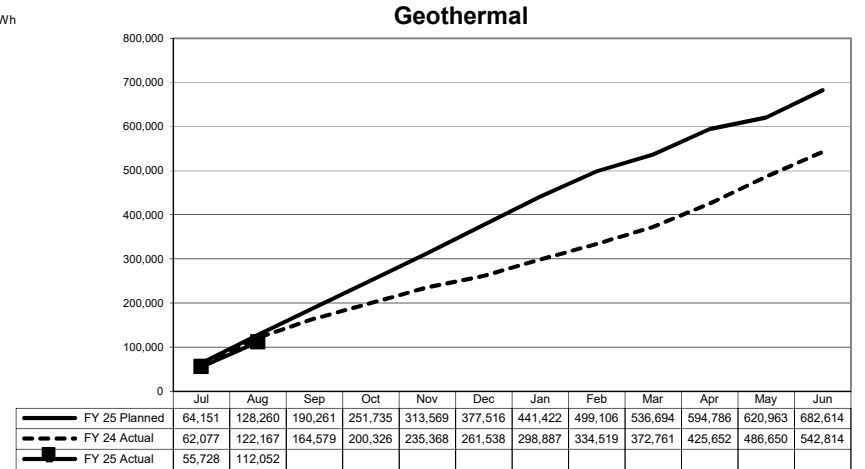
Generation Cost Analysis

\$ in thousands

	Geothermal				
	Budget	Actual	\$/MWh	Under(Over)	YTD %
			Actual	Budget	Remaining
Routine O & M	\$ 19,906	\$ 3,789	\$ 33.81	\$ 16,117	81%
Capital Assets/Spare Parts Inventories	11,182	2,444	21.81	8,739	78%
Other Costs	14,932	2,310	20.61	12,623	85%
CA ISO Charges	1,022	127	1.13	895	88%
Debt Service	-	-	-	-	#DIV/0!
Annual Budget	47,043	8,669	77.37	38,374	82%
Less: Third Party Revenue					
Interest Income	150	121	1.08	29	20%
ISO Energy Sales	51,498	5,355	47.79	46,143	90%
Ancillary Services Sales	-	-	-	-	0%
Effluent Revenues	750	413	3.68	337	45%
Misc	113	19	0.17	94	83%
	52,511	5,907	52.72	46,605	89%
Net Annual Budget Cost to Participants	\$ (5,468)	\$ 2,762	\$ 24.65	\$ (8,231)	151%
Net Generation--MWh @ Meter	682,614	112,052			
\$/MWh (A)	\$ (8.01)	\$ 24.65			

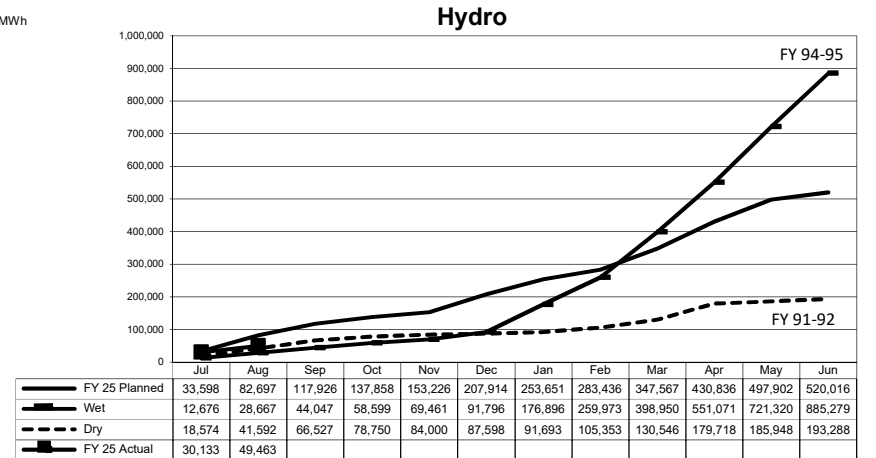
MWhs Generated

In MWh



	Hydroelectric				
	Budget	Actual	\$/MWh	Under(Over)	YTD %
			Actual	Budget	Remaining
Routine O & M	\$ 10,998	\$ 1,764	\$ 35.66	\$ 9,234	84%
Capital Assets/Spare Parts Inventories	22,349	3,344	67.61	19,005	85%
Other Costs	5,395	782	15.81	4,613	86%
CA ISO Charges	1,490	641	12.96	849	57%
Debt Service	18,416	3,069	62.05	15,347	83%
Annual Budget	58,647	9,601	194.10	49,047	84%
Less: Third Party Revenue					
Interest Income	150	37	0.75	113	75%
ISO Energy Sales	50,167	5,174	104.60	44,993	90%
Ancillary Services Sales	4,788	283	5.72	4,485	94%
Misc	-	514	10.40	(514)	0%
	55,085	6,008	121.47	49,076	89%
Net Annual Budget Cost to Participants	\$ 3,562	\$ 3,592	\$ 72.63	\$ (30)	
Net Generation--MWh @ Meter	520,016	49,463			
\$/MWh (A)	\$ (28.56)	\$ 10.57			

In MWh



Footnotes:

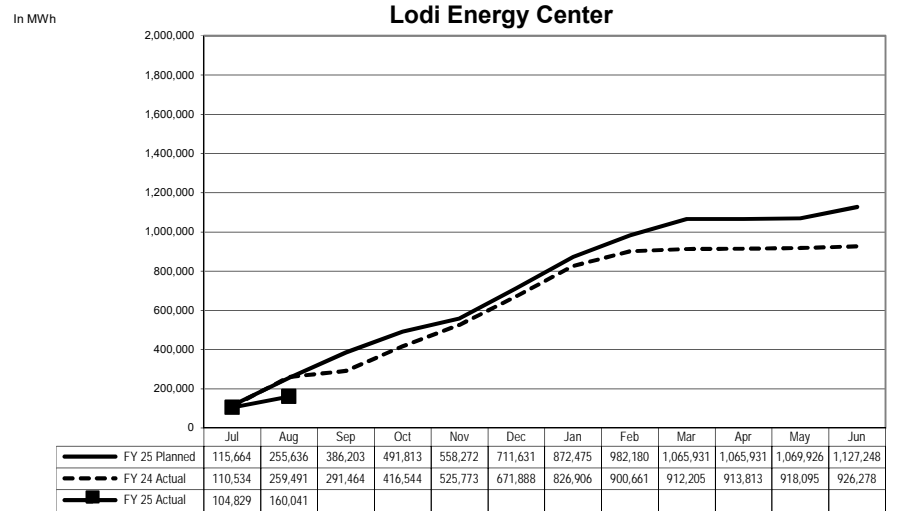
(A) Aggregate fiscal year generation in \$/MWh (excluding debt service)

**Annual Budget
NCPA Generation Detail Analysis By Plant
As of August 31, 2024**

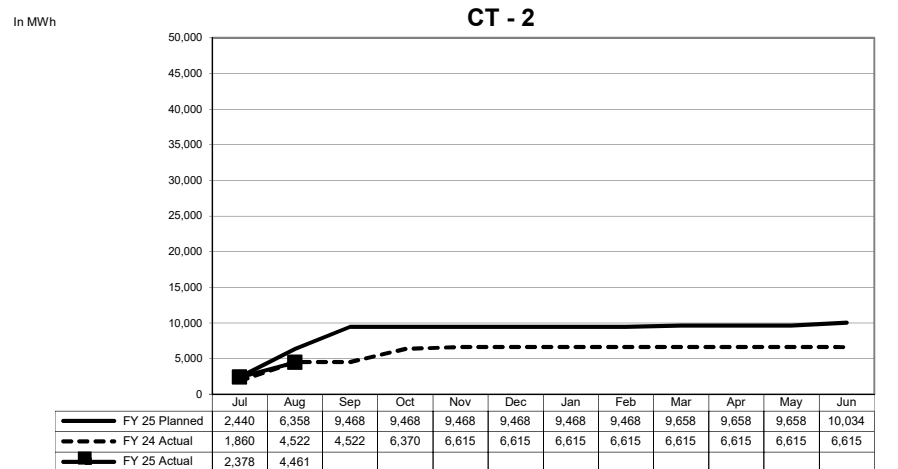
Generation Cost Analysis

	Lodi Energy Center				
	Budget	Actual	\$/MWh Actual	Under(Over) Budget	YTD % Remaining
Routine O & M	\$ 11,263	\$ 1,868	\$ 11.67	\$ 9,395	83%
Fuel	77,590	4,766	29.78	72,824	94%
GHG Allowance Costs	18,130	353	2.20	17,777	98%
CA ISO Charges and Energy Purchases	3,553	805	5.03	2,748	77%
Capital Assets/Spare Parts Inventories	10,858	722	4.51	10,136	93%
Other Costs	10,841	1,192	7.45	9,649	89%
Debt Service	26,018	4,336	27.10	21,682	83%
Annual Budget	158,252	14,041	87.74	144,211	91%
Less: Third Party Revenue					
Interest Income	250	154	0.96	96	39%
ISO Energy Sales	113,367	10,579	66.10	102,788	91%
Ancillary Services Sales	2,049	296	1.85	1,753	86%
Transfer Gas Credit	-	-	-	-	0%
GHG Allowance Credits	17,646	202	1.26	17,445	99%
Misc	-	1	0.01	(1)	0%
	133,313	11,232	70.18	122,081	92%
Net Annual Budget Cost to Participants	\$ 24,939	\$ 2,810	\$ 17.56	\$ 22,130	89%
Net Generation--MWh @ Meter	1,127,248	160,041			
\$/MWh (A)	\$ (0.96)	\$ (9.54)			

MWhs Generated



	Combustion Turbine No. 2 (STIG)				
	Budget	Actual	\$/MWh Actual	Under(Over) Budget	YTD % Remaining
Routine O & M	\$ 1,747	\$ 260	\$ 58.19	\$ 1,487	85%
Fuel and Pipeline Transport Charges	1,181	-	-	1,181	100%
GHG Allowance Costs	227	-	-	227	100%
Capital Assets/Spare Parts Inventories	92	-	-	92	100%
Other Costs	2,946	478	107.20	2,468	84%
CA ISO Charges	81	138	30.87	(56)	-69%
Debt Service	421	421	94.44	-	0%
Annual Budget	6,696	1,297	290.70	5,399	81%
Less: Third Party Revenue					
Interest Income	42	39	8.76	3	7%
ISO Energy Sales	1,742	661	148.08	1,081	62%
Ancillary Service Sales	-	-	-	-	0%
Fuel and Pipeline Transport Credits	-	-	-	-	#DIV/0!
GHG Allowance Credits	227	-	-	227	100%
Misc	-	-	-	-	0%
	2,011	700	156.84	1,312	65%
Net Annual Budget Cost to Participants	\$ 4,684	\$ 597	\$ 133.86	\$ 4,087	87%
Net Generation--MWh @ Meter	10,034	4,461			
\$/MWh (A)	\$ 424.86	\$ 39.42			



Footnotes:

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

**Annual Budget
NCPA Generation Detail Analysis By Plant
As of August 31, 2024**

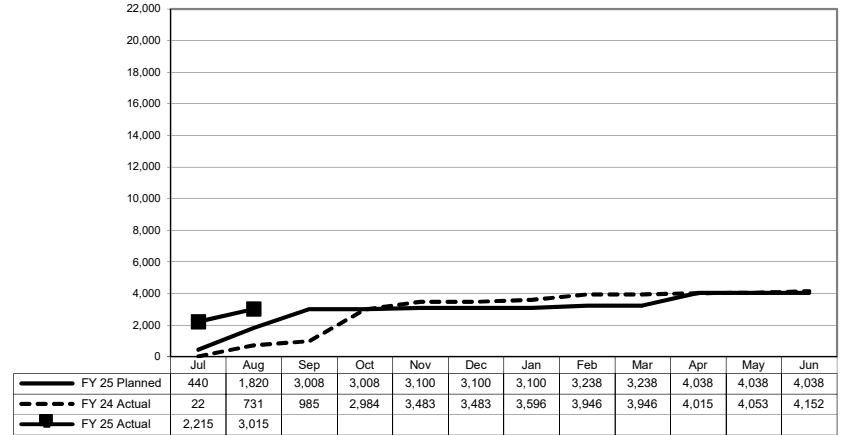
Generation Cost Analysis

	Combustion Turbine No. 1				
	Budget	Actual	\$/MWh Actual	Under(Over) Budget	YTD % Remaining
Routine O & M	\$ 2,640	\$ 492	\$ 163.14	\$ 2,148	81%
Fuel and Pipeline Transport Charges	718	232	77.08	486	68%
Capital Assets/Spare Parts Inventories	1,162	162	53.72	1,000	86%
Other Costs	906	148	48.97	758	84%
CA ISO Charges	25	156	51.88	(132)	-536%
Debt Service	-	-	-	-	-
Annual Budget	5,451	1,190	394.79	4,261	78%
Less: Third Party Revenue					
Interest Income	55	22		33	60%
ISO Energy Sales	823	920	305.10	(97)	-12%
Ancillary Services Sales	-	-	-	-	0%
Misc	-	-	-	-	0%
	878	942	305.10	(64)	-7%
Net Annual Budget Cost to Participants	\$ 4,573	\$ 248	\$ 82.38	\$ 4,325	95%
Net Generation--MWh @ Meter	4,038	3,015			
\$/MWh (A)	\$ 1,132.56	\$ 82.38			

MWhs Generated

In MWh

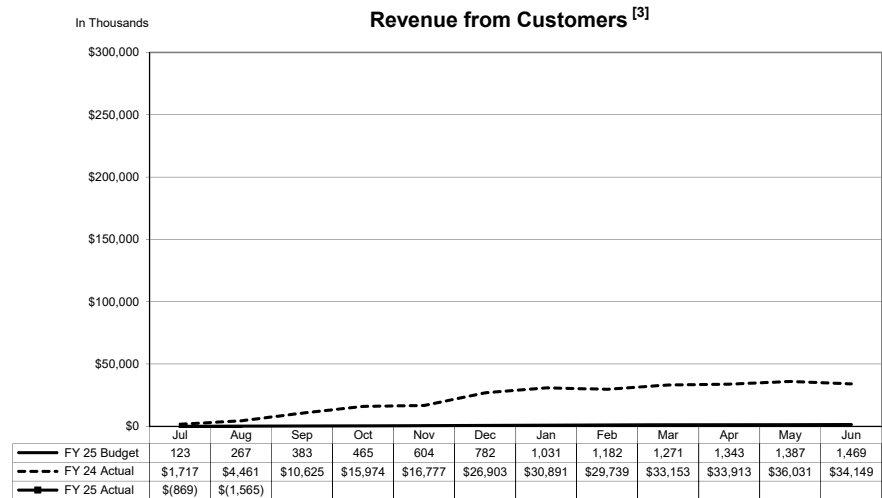
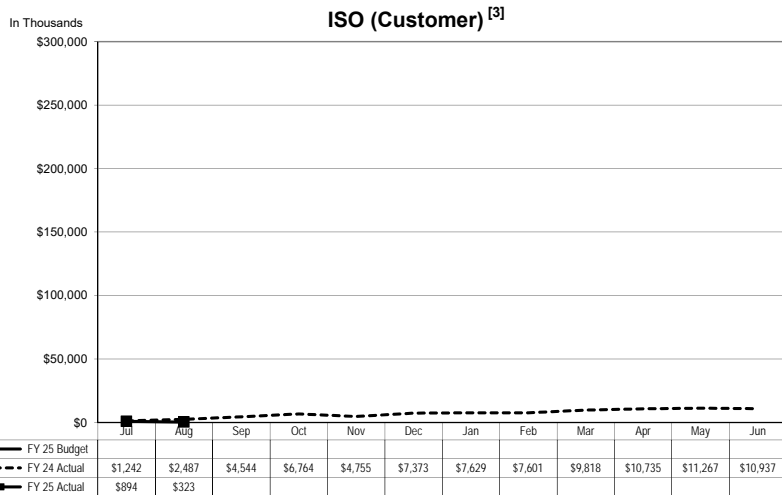
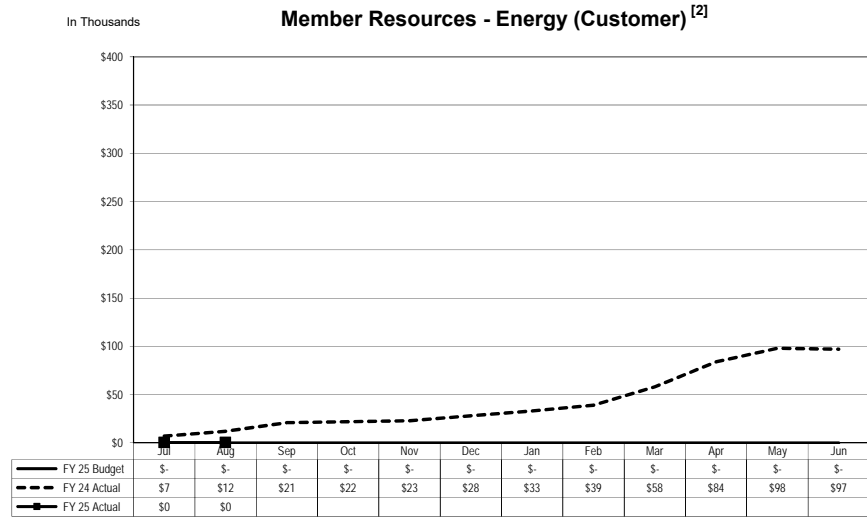
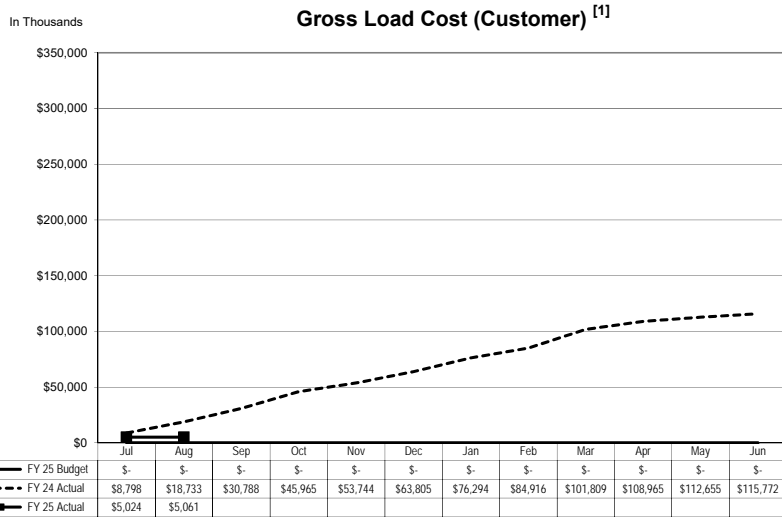
CT - 1



Footnotes:

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

**Annual Budget Cost
NCPA Customers
As of August 31, 2024**



- Notes:
- 1 Energy purchased by customers
 - 2 Power generators and customer owned resources
 - 3 Pertains to all customers