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# BUSINESS PROGRESS REPORT

**MAY 2024**

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# Generation Costs & Reliability

## Combustion Turbine Project

### Unit Operation for April 2024

Unit	Availability		Production			Reason for Run
CT1 Alameda	Unit 1	Unit 2	Unit 1	0.0	MWh	No Runs. / No Runs.
	100.0%	99.15%	Unit 2	0.0	MWh	
Curtailments, Outages, and Comments:						
Unit 1: Normal Operation.						
Unit 2: 4/04 @ 05:33 - 11:33; Lube oil temp indication trouble, OMS 15533065.						
Unit	Availability		Production			Reason for Run
CT1 Lodi	100.00%		69.5 MWh			CAISO Exceptional Dispatch.
Curtailments, Outages, and Comments:						
Normal Operation.						
Unit	Availability		Production			Reason for Run
CT2 STIG	0.0%		0.0 MWh			No Runs.
Curtailments, Outages, and Comments:						
4/01 @ 00:00 - 4/30 @ 23:59; Annual Outage, OMS 14559022						
Unit	Availability		Production			Reason for Run
LEC	0.0%		1,608 MWh			COMMISSIONING
Curtailments, Outages, and Comments:						
4/01 @ 00:00 - 4/30 @ 23:59; Annual Outage & Steam Turbine Excitation Upgrade, OMS 14559028						

**Maintenance Summary – Specific per asset above.**

## Geothermal Facilities

### Availability/Production for April 2024

Unit	Availability	Net Electricity Generated/Water Delivered	Out-of-Service/Descriptors
Unit 1	88.19 %	23,895 MWh	Unit 1 was in service 28 Days out of 30. The two emergency outage days were used to perform a Generator / Exciter Balance.
Unit 2	0 %	0 MWh	Unit 2 currently in outage with a 7/15/2024 return to service date.
Unit 3	N/A %	N/A -	Unit 3 remains out of service.
Unit 4	96.81 %	28,997 MWh	Unit 4 was in service 29 out of 30 days. The one day outage was a scheduled PG&E line outage.
Southeast Geysers Effluent Pipeline	100 %	160.9 mgallons	Average flow rate: 3,606 gpm
Southeast Solar Plant	N/A	102,625 KWh	Year-to-date KWh: 1,220,173
Bear Canyon Pump Station Zero Solar	N/A	3,415 KWh	Year-to-date KWh: 891,760

\* Accounts for an additional 737 MWh of house load for the 21KV power supply to the effluent pipeline supplied from Unit #2.

## Hydroelectric Project

### Availability/Production for April 2024

Units	Availability	Net Electricity Generated	Out-of-Service
<b>Collierville Unit 1</b>	100.00%	54,604 MWh	
<b>Collierville Unit 2</b>	100.00%	52,507 MWh	
<b>Spicer Unit 1</b>	82.69%	0 MWh	<p>*OMS 15621523 – NSM station offline for PGE TIGO. TIGO started on 4/25/24 at 0630, and ended on 4/26/24 at 1648.</p> <p>**OMS 15684045 – NSM station offline for PGE TIGO. TIGO started on 4/28/24 at 2101, and ended on 4/29/24 at 1047.</p> <p>***OMS 15688385 – NSM station offline due to DTT loss of signal, Transmission issue. Started on 4/29/24 at 1047 and ended 4/29/24 at 1341.</p> <p>****OMS 15689219 – NSM station offline due to DTT loss of signal, Transmission issue. Started on 4/29/24 at 1341 and ended 4/30/24 at 1128.</p>
<b>Spicer Unit 2</b>	79.44%	0 MWh	<p>* Same note as NSM 1</p> <p>** Same note as NSM 1</p> <p>*** Same note as NSM 1</p> <p>****Same note as NSM 1</p>
<b>Spicer Unit 3</b>	82.68%	151 MWh	<p>* Same note as NSM 1</p> <p>** Same note as NSM 1</p> <p>*** Same note as NSM 1</p> <p>****Same note as NSM 1</p>

#### Operations & Maintenance Activities:

- CMMS work orders
- Crew annual training –92% complete
- Hydro Tech Operator cross training
- 230kv line patrol / vegetation inspection
- Selected a campground concessionaire for New Spicer Meadows Campground
- Exploring additional soil relocation locations for McKays Sediment Removal Project
- Oily Water Separator Project

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

- There were no Lost Time Accidents, Cal OSHA Recordable Incidents, or vehicle incidents in the month of April.
- 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 April 20, 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.

### April 2024 Generation Services Safety Report

	Hydro	GEO	CT Group *	NCPA HQ **
Cal OSHA Recordable (this month)	0	0	0	0
Cal OSHA Recordable (calendar year)	0	0	1	0
Days since Recordable	1,257	299	41	4,286
Work Hours Since Last Recordable	109,966	59,596	10,883	3,080,706
LTA's (this month)	0	0	0	0
LTA's (calendar year)	0	0	0	0
Days without LTA	6,036	318	11,206	7,299
Work Hours without LTA	542,481	56,960	936,275	2,702,721
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 April 20, 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**

	<b>April 2024</b>		<b>Calendar Year 2024</b>	
	Peak MW	MWh	Peak MW	MWh
NCPA Pool	308.03 4/4 @ 1100	177,734	337.31 2/7 @ 1900	750,509
SVP	599.62 4/22 @ 1400	377,702	599.62 4/22 @ 1400	1,519,925
MSSA	891.48 4/22 @ 1400	555,436	895.75 2/7 @ 1200	2,270,434

#### **Last Year 2023 Data\***

	<b>April 2023</b>		<b>Calendar Year 2023</b>	
	Peak MW	MWh	Peak MW	MWh
NCPA Pool	323 4/27 @ 1800	170,705	440.7 8/15 @ 1700	735,324
SVP	602.26 4/27 @ 1700	367,214	669.22 8/23 @ 1600	1,486,063
MSSA	922.39 4/27 @ 1800	537,919	1103.22 8/23 @ 1700	2,221,387

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

#### **System Peak Data**

	<b>All Time Peak Demand</b>	<b>2024 Peak Demand</b>
NCPA Pool	517.83 MW on 7/24/06 @ 1500	337.31 2/7 @ 1900
SVP	687.74 MW on 9/6/22 @ 1300	599.62 4/22 @ 1400
MSSA	1176.20 MW on 9/6/22 @ 1400	895.75 2/7 @ 1200

- 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**

	<b>April 2024</b>	<b>Calendar Year 2024</b>
<b>MSSA % Within the Band</b>	91.89%	95.81%

### **CAISO Real-time Contingency Dispatches (RTCD):**

- None

### **CAISO Energy Emergency Alerts (EEA):**

- None

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

- None

### **Pooling, Portfolio Planning & Forecasting**

- NCPA Pool loads during April 2024 were 177,710 MWh versus the budget forecast of 178,710 MWh, resulting in a forecast error of 0.55%. The weather outlook for the remainder of May is for average temperatures and average precipitation. The Pool's May load forecast is 194,620 MWh compared with extrapolated actuals of 191,727 MWh as of May 14, 2024.
- Lodi Energy Center (LEC) ran 16 hours and produced 1,608 MWh.
- During April 2024, 2.78" of rain was recorded at the Big Trees gauge. April average rainfall at Big Trees is 3.98".
- The Value of Storage (VOS) of New Spicer Meadow Reservoir (NSMR) has been reduced from \$100/Mwh to \$90/MWh. Releases from NSMR were held to near minimum of 22cfs for the entirety of April.
- New Spicer Meadows storage as of April 30, 2024 was 127,499 acre-feet. The historical average storage at the end of April is 101,331 acre-feet. As of May 14<sup>th</sup>, storage was 149,144 acre-feet.
- Combined Calaveras Project generation for the Pool in April 2024 totaled 54,639 MWh, up from 41,805 MWh in March 2024.
- Western Base Resource (BR) deliveries for the Pool during April 2024 were 56,103 MWh. The Displacement Program provided an additional hedge of 1,951 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 May 2024 is 68,176 MWh, with 30,789 MWh having been delivered as of May 14, 2024. The WAPA displacement has delivered an additional 4,620 MWh.
- The PG&E Citygate gas index averaged \$2.27 / MMBtu during the month of April 2024 as compared to an average of \$2.48 for March. PG&E Citygate index has averaged \$2.40 / MMBTUs during the period of May 1 through 14, 2024. PG&E Citygate forward price for June 2024 is \$2.83 / MMBtu.
- Day-Ahead PG&E DLAP electricity prices during April averaged \$27.92 / MWh on-peak and \$31.16 off-peak, with a high of \$65.03 and a low of -\$25.00. For the period May 1<sup>st</sup> through the 14<sup>th</sup> on-peak prices have averaged \$27.29 on-peak and \$28.47 off-peak, with low -\$18.11 and a high of \$58.36. The NP15 forward power price for June 2024 are \$35.76 on-peak and \$33.41 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 July 2024:
  - Monthly System Resource Adequacy Demonstration (filed May 17, 2024)
  - Monthly Supply Plan (filed May 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:

#### **Price Formation Enhancements**

- This initiative will explore several topics related to price formation in the California ISO markets focused on real-time market pricing. Scarcity prices are important to attract supply and incent resources to be available and perform. They are also important to provide appropriate price signals to reduce demand. Recent energy shortages and associated prices in the ISO real-time market have emphasized the need for the ISO to review and enhance its scarcity pricing provisions. Consequently, the ISO plans to consider the following topics in this initiative: (1) enhance real-time market scarcity pricing to better reflect tight supply conditions, (2) consider fast-start pricing, and (3) enhance how the real-time market uses advisory prices to dispatch resources.

#### **Working Group Session 16, Analysis on Fast Start Pricing**

- NCPA believes the analysis provided in WG 16 confirms NCPA's position that Fast Start Pricing is not necessary or appropriate for the CAISO market. The analysis concluded that the impact of FSP implementation would be minimal and FSP implemented in other RTOs may not be a plug and play implementation in CAISO. NCPA does not support FSP implementation in CAISO due to the limited benefits weighed against potential risks of unintended consequences.

#### **Working Group Session 17, Feasibility Assessment and Straw Proposal - Rules for bidding above the soft offer cap**

- NCPA supports the Market Monitor's suggestion that "the ISO could continue to rely on the new exceptional dispatch functionality for storage as needed for reliability purposes, and defer implementing a new policy until it can be given the necessary care/consideration. [1] NCPA is concerned that that current proposals have not been vetted sufficiently enough to fast track for a late summer release. For example, NCPA believes the Maximum Import Bid Price methodology should be reviewed, in light of observed illiquidity at reference hubs, prior to being applied to storage bids. Further, a late summer release may not be soon enough to benefit the market during stressed system conditions. NCPA tentatively supports Approach 2: Leverage existing tools to position resources in the bid stack. NCPA understands the existing out of market tools are not optimal so NCPA supports breaking this out into an independent initiative with an April 1, 2025 go live target in order to ensure the right options are selected and thoroughly vetted and tested in order to ensure successful implementation.

## Western

Western Base Resource Tracking - NCPA Pool							
	Actual			Costs & Rates			
	BR Forecast <sup>1</sup> (MWh)	BR Delivered (MWh)	Difference (MWh)	Base Resource & Restoration Fund (\$)	Monthly Cost of BR <sup>2</sup> (\$/MWh)	CAISO LMP Differential <sup>3</sup> (\$/MWh)	12-Mo Rolling Avg. Cost of BR <sup>4</sup> (\$/MWh)
Jul-23	35,526	63,713	28,187	\$1,275,846	\$ 20.02	\$ (2.07)	\$ 39.84
Aug-23	26,389	61,247	34,858	\$1,275,846	\$ 20.83	\$ (0.99)	\$ 33.28
Sep-23	12,488	36,612	24,124	\$1,257,599	\$ 34.35	\$ 0.12	\$ 29.81
Oct-23	7,510	36,999	29,489	\$461,542	\$ 12.47	\$ 0.03	\$ 27.47
Nov-23	12,128	14,426	2,298	\$461,542	\$ 31.99	\$ 0.11	\$ 26.42
Dec-23	721	7,349	6,628	\$461,542	\$ 62.80	\$ 0.14	\$ 25.82
Jan-24	11,160	12,919	1,759	\$461,542	\$ 35.73	\$ 0.07	\$ 24.98
Feb-24	16,835	77,334	60,499	\$461,542	\$ 5.97	\$ 0.17	\$ 20.91
Mar-24	11,662	61,865	50,203	\$461,542	\$ 7.46	\$ (0.18)	\$ 18.41
Apr-24	37,152	58,054	20,902	\$1,252,357	\$ 21.57	\$ 0.30	\$ 17.76
May-24	66,765	-		\$1,252,357	\$ 18.76	\$ -	\$ 18.33
Jun-24	70,929	-		\$1,252,357	\$ 17.66	\$ -	\$ 18.14

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).  
4/ Based on BR Delivered (Actual) when available and BR Forecast in all other cases. Includes CAISO LMP impact.

- NCPA Pool received 58,054 MWh of Base Resource (BR) energy in April 2024. This includes displaced energy of 1,951 MWh. The estimated MEEA savings is about \$16,830 and displacement savings is \$10,730.
- 2024 Integrated Resource Plan (IRP)
  - Pursuant to the Base Resource Contract, NCPA (on behalf of the Pool Members) are required to file a 5-year prospective IRP every five years. And every year, to file an annual progress update. The most recent 5-year plan was filed last year so this year, we only need to prepare and file an annual update for 2023 activities by July 1, 2024.
  - Guy Nelson (Consultant) will coordinate with NCPA and the Pool Members to complete the IRP Report.
- 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 comments were due mid-July 2023.
  - Per Reclamation’s request, Power Customers/WAPA provided final description for Alternative 5 late September 2023 for “Low Emissions with Flexible Management”.
  - Reclamation provided the Cooperating Agencies the Draft Cooperating Agency Environmental Impact Statement (EIS) mid-September 2023.
    - NCPA as a participating cooperating agency submitted comment to the draft EIS. Our comments were primarily focused on emissions impact related to volume, timing of CVP hydro generation and grid reliability.
    - WAPA/customers provided emissions footprint methodology
  - Projected Timeline:
    - Publish Public draft EIS in Summer 2024 (July)
    - Publish Final EIS in November 2024
    - Record of Decision by end of December 2024
  - New updates on Trinity Consultation:
    - Reclamation is evaluating alternatives of the CVP including potential changes to the Trinity operations. They have included the Low Emissions with Flexible Management Alternative per Power Customer’s feedback. The Trinity Consultation may require supplemental EIS and additional subsequent ROD.
    - Projected Timeline:
      - Modeling expected in September 2024
      - Public draft NEPA in Spring 2025
      - NEPA Decision late 2025
      - May require supplemental EIS and/or additional subsequent ROD.
  - 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. Pending decision and approval by WAPA’s Administrator. Their initial considerations include:
      - CVP generators to bid into EDAM and receive payment by LMP at their respective locations.
      - A CVP Trading hub will be established.
      - WAPA will transfer energy to preference customers by Inter-SC Trade at the CVP Trading Hub.
      - WAPA will continue to recover transmission losses according to its rate schedule. The preference customers will continue to pay transmission losses for delivering Preference Power through the power revenue requirements (PRRs).
    - WAPA is looking to start the informal customer meetings this summer. Four meetings between June and August.

## **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. All Parties are currently working on filing settlement at FERC.

### **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 Discovery Phase
  - April 26 - Staff received Commission approval to participate in PG&E's appeal of denial of waiver to allow Inclusion of unpermitted debt costs in D.C. Circuit Court
  - April 29 - Consultants issued a second set of data request to PG&E
  - PG&E is submitting answers to data request; next step will be to compile all answers into a matrix for all Joint Interveners to share
  - Legal team tasked with finding PG&E legal cost related to wildfire activities
- 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 9<sup>th</sup> 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
  - JI letter sent to SD&E requesting removal of RTO Adder
  - SD&E states – not applicable
  - Current Status
    - CPUC, NCPA, and CDWR are drafting a compliant to be filed at FERC

## Rate Case Program Budget

Nov 23 to Mar 24

Project Participants	Load / Scheduled Energy (MWh)	Load / Scheduled Energy (%)	Budget (\$)	Accrued Cost (\$)	Remaining Budget (\$)
Alameda	346,468	4.75%	\$ 28,511	\$ 6,224	\$ 22,286
BART	365,538	5.01%	\$ 30,080	\$ 6,567	\$ 23,513
Biggs	14,753	0.20%	\$ 1,214	\$ 265	\$ 949
Gridley	32,978	0.45%	\$ 2,714	\$ 592	\$ 2,121
Healdsburg	71,450	0.98%	\$ 5,880	\$ 1,284	\$ 4,596
Lodi	457,945	6.28%	\$ 37,684	\$ 8,227	\$ 29,457
Lompoc	135,765	1.86%	\$ 11,172	\$ 2,439	\$ 8,733
Palo Alto	848,847	11.64%	\$ 69,851	\$ 15,250	\$ 54,602
Plumas Sierra	155,670	2.14%	\$ 12,810	\$ 2,797	\$ 10,013
Port of Oakland	117,803	1.62%	\$ 9,694	\$ 2,116	\$ 7,578
Santa Clara	4,633,855	63.55%	\$381,318	\$ 83,248	\$ 298,070
Ukiah	110,256	1.51%	\$ 9,073	\$ 1,981	\$ 7,092
<b>Total</b>	<b>7,291,328</b>	<b>100.00%</b>	<b>\$600,000</b>	<b>\$ 130,990</b>	<b>\$ 469,010</b>

### 2023-2024 Transmission Planning Process Update

- ISO presented their draft transmission plan in April of 2024
- ISO found the need for 26 projects totaling ~\$6.1B
  - 19 reliability driven projects - \$1.5B
  - 7 policy driven project – \$4.6B
  - No Economic projects
- TPP total capital cost comparison

Transmission Planning Cycle	Approved Capital Project Cost (Up to)	Purpose
2018-2019	\$608M	Reliability
2019-2020	\$142M	Reliability
2020-2021	\$3.6M	Reliability
2021-2022	\$2.9B	Reliability, Policy, Economic
2022-2023	\$9.3B	Reliability, Policy
2023-2024	\$6.1B	Reliability, Policy

- 19 Reliability Projects (\$1.5 Billion)

No.	Project Name	PTO Area	Planning Area	Est. Cost (\$M)
1	Covelo 60 kV Voltage Support <sup>7</sup>	PG&E	North Coast / North Bay	22
2	Martin-Millbrae 60 kV Area Reinforcement <sup>7</sup>	PG&E	Greater Bay Area	40
3	Atlantic High Voltage Mitigation <sup>7</sup>	PG&E	Central Valley	40
4	Mira Loma 500 kV Bus SCD Mitigation <sup>7</sup>	SCE	SCE Bulk	5
5	Inyo 230 kV Shunt Reactor <sup>7</sup>	SCE	North of Lugo	20
6	Etiwanda 230 kV Bus SCD Mitigation <sup>7</sup>	SCE	SCE Eastern	15
7	Eldorado 230 kV Short Circuit Duty Mitigation <sup>7</sup>	SCE	East of Lugo	48.8
8	Valley Center System Improvement	SDG&E	SDG&E	51
9	Camden 70 kV Reinforcement	PG&E	Greater Fresno	100
10	Gates 230/70 kV Transformer Addition	PG&E	Greater Fresno	72
11	Reedley 70 kV Capacity Increase	PG&E	Greater Fresno	98
12	Diablo Canyon Area 230 kV High Voltage Mitigation	PG&E	Central Coast & Los Padres	70
13	Crazy Horse Canyon - Salinas - Soledad #1 and #2 115 kV Line Reconductoring	PG&E	Central Coast & Los Padres	108
14	Vaca-Plainfield 60 kV Line Reconductoring	PG&E	Central Valley	68
15	Rio Oso - W. Sacramento Reconductoring	PG&E	Central Valley	97.4
16	Cortina #1 60 kV Line Reconductoring	PG&E	Central Valley	94.3
17	Salinas Area Reinforcement	PG&E	Central Coast & Los Padres	452.3
18	Tejon Area Reinforcement	PG&E	Kern	56
19	French Camp Reinforcement	PG&E	Central Valley	84.2
			<b>Total</b>	<b>1,542</b>

- 7 Policy Projects (\$4.6 Billion)

No.	Project Name	PTO Area	Geographic Area	Cost (\$M)
1	Sobrante 230/115 kV Transformer Bank Addition	PG&E	GBA	40
2	New Humboldt 500 kV Substation with 500 kV line to Collinsville [HVDC operated as AC]	PG&E	NGBA	2740
3	New Humboldt to Fern Road 500 kV Line	PG&E	NGBA	1400
4	New Humboldt 115/115 kV Phase Shifter with 115 kV line to Humboldt 115kV Substation	PG&E	NGBA	57
5	North Dublin -Vineyard 230 kV Reconductoring	PG&E	NGBA	233
6	Tesla - Newark 230 kV Line No. 2 Reconductoring	PG&E	NGBA	58
7	Collinsville 230 kV Reactor	PG&E	NGBA	58
			<b>Total</b>	<b>4,586</b>

- Projects eligible for competitive bid
  - New Humboldt 500 kV Substation, with a 500/115 kV transformer, and 500 kV line to Collinsville
  - New Humboldt to Fern Road 500 kV Line
- NCPA stakeholder comments submitted April 23, 2024
  - Opposed the following reliability projects:
    - Salinas Area Reinforcement Project (\$452.3M)
    - Tejon Area Reinforcement Project (\$56M)
    - French Camp Reinforcement Project (\$84.2M)
  - NCPA asked to understand what validation was done for approval and whether the projects are consistent with the demand forecast approved by the CEC
  - CAISO indicated all three projects are needed due to distribution load growth. We stated NCPA would like to ensure that all costs are being appropriately allocated between transmission and distribution ratepayers

### **Debt and Financial Management**

- At their May meeting, the Federal Reserve unanimously voted to hold policy rates steady for the sixth consecutive time, leaving the fed funds target rate unchanged at 5.25% to 5.50%. Chairperson Powell acknowledged the hot first-quarter inflation data and stated that it will likely take longer than anticipated for the Fed to gain confidence that the economy is on a sustainable path toward 2% inflation. However, Powell did emphasize it's unlikely the next policy rate move would be a hike.
- The Consumer Price Index (CPI) cooled during the month of April rising 0.3% over the previous month and 3.4% over the prior year in April, a slight deceleration from March's 3.5% annual gain in prices and 0.4% month-over-month increase. April's monthly increase came in lower than economist forecasts of a 0.4% uptick.
- At the May 7<sup>th</sup> Finance Committee meeting, staff solicited feedback from the Committee members on a framework for creating a standalone Decommissioning Reserve policy. General topics included defining terms of emergency use, maximum loan size, timing of loan payback, and true-up of budget versus actuals. NCPA plans to return in August with a draft policy for further committee discussion.

### **Schedule Coordination Goals**

#### **Network**

- SCADA and Networking team is currently working with a number of stakeholders to bring a variety of different generation projects online this summer. This includes the following resources:
  - Lodi Strategic Reserve
  - Yuba Strategic Reserve
  - NID Deer Creek Controls
  - Scarlett 1A BESS
  - YellowPine BESS

- IS continues the work toward preparing the HQ and DRC Control Centers to be compliant with the NERC CIP Medium standards. Currently working on a number of CIP-010 ports and services inventory to help meet compliance with R1.1.
- Operations and Support Oracle DBA team is working to consolidate and enhance a number of views related to meter data to further provide a number of efficiencies to the various bid-to-bill applications.
- The IS team is coordinating with Generation Services to help provide support for the Alameda CT1 control and PI system upgrade for the month of May.

### **Software Development**

- Scheduling and bidding applications support activities:
  - Co-located PV+BESS Resource Integrations for San Jose (Scarlet) and East Bay (Scarlet, Daggett 3) successfully rolled out into production at the beginning of this month of May 2024
  - Sonoma Clean Power Authority beginning transition from NSCP SCID to its own SNCP SCID. Sonoma's co-located Proxima PV+BESS Resource Integration rolled out into production this month of May 2024
  - East Bay Community Energy transitioned from EBCE entity into its new AVA entity in the Bid-to-Bill process workflow
- NCPA IS team continues to provide technical support and coordination for Accounting on the major GL Code Restructuring project.

### **NCPA Bills & Settlements**

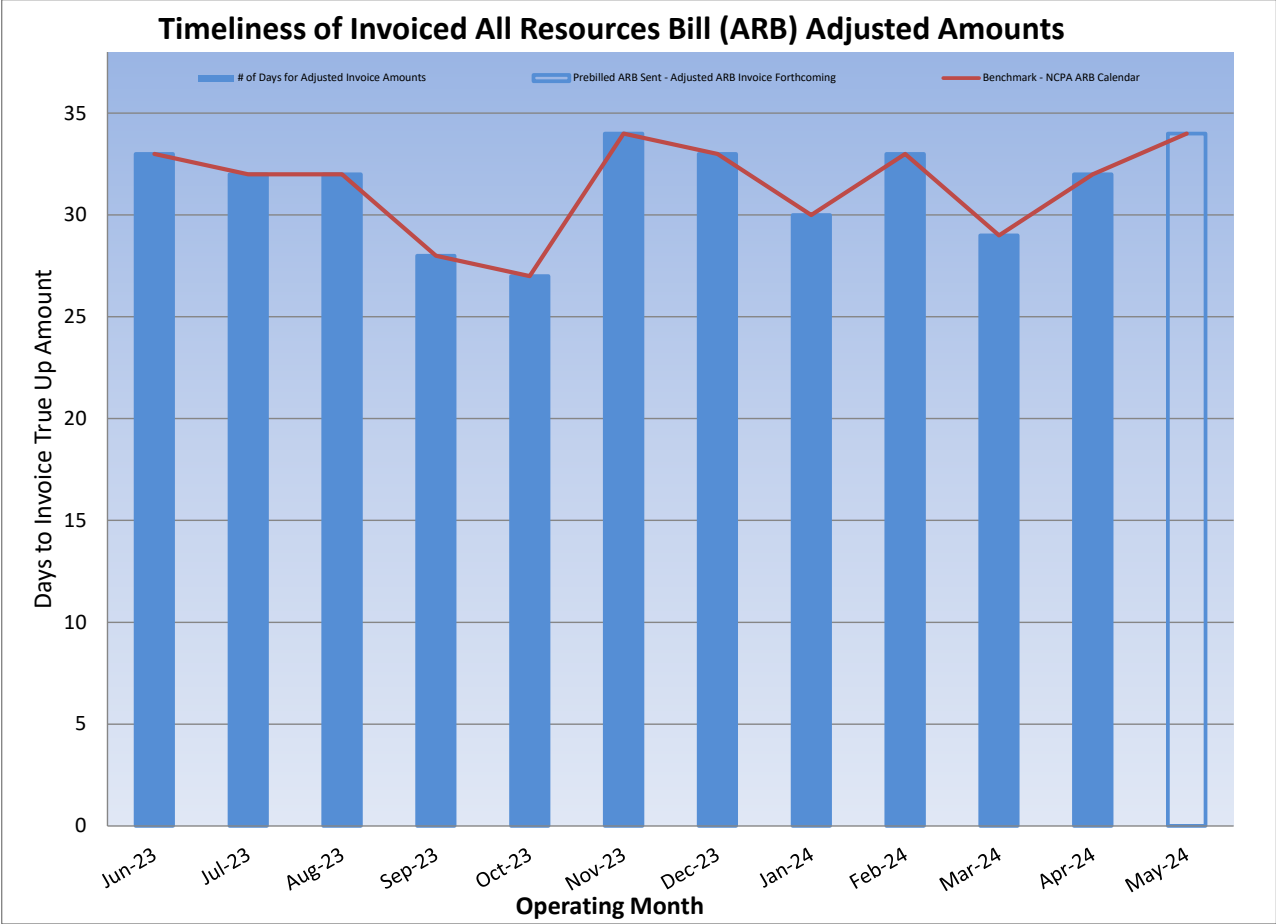
#### **Progress Against the Strategic Plan**

*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 May 2024 NCPA All Resources Bill (ARB) monthly invoice sent to members on April 23, 2024 contains:

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





**Legislative & Regulatory**

**Legislative Update:**

- NCPA and the Northwest Public Power Association (NWPPA) co-hosted its annual Federal Policy Conference on April 15-18, 2024, with 27 participants from NCPA systems in attendance. The program included presentations from an array of top energy policy experts as well as two legislative panels, touching on issues such as cybersecurity, wildfire mitigation, hydropower, and transmission. Over the four-day event, NCPA’s members attended 34 meetings on Capitol Hill and in key agencies to advance the Agency’s federal priorities in a number of areas, including the implementation of the clean hydrogen tax credit, addressing the nation’s supply chain backlog, legislating the reduction of utility wildfire liability, pragmatic solutions for the removal of sediment at McKay’s reservoir, and advocating for Congressional appropriations for the U.S. Bureau of Reclamation and the Western Area Power Administration to meet the critical systems need of advancing the Central Valley Project. The efforts of those who participated in this conference helped to raise the visibility, awareness, and understanding surrounding NCPA’s important federal priorities.

## **Human Resources**

### **Hires:**

- Jack Hamilton joined NCPA's Geothermal Facility as Technician Operator II, effective April 16, 2024. Jack joined NCPA from Indoor Environmental Services where he was a HVAC Technician. In this role, he coordinated with accounts to repair and maintain HVAC systems, such as maintaining and repairing air compressors, packaged HVAC units, heat pumps, chillers, boilers, makeup air units, and industrial exhaust fans. Previously, Jack worked for Schramsberg Vineyards, where he was a Production Mechanic responsible for ensuring the production line was operable at all times, including performing preventative maintenance on the production line and MBR wastewater system.
- Brian Anderson joined NCPA's Hydroelectric Facility as a Hydro Tech effective May 6, 2024. Brian joins us from Tri-Dam Project where he was a Technician. In this role, he was responsible for maintaining, repairing, and upgrading Siemens Power TG SCADA system, video security systems, and stream and lake level gauging equipment and solar systems. He also tested and repaired transformers, breakers, and powerhouse trip devices and completed powerhouse annual maintenance. Previously, Brian worked for AT&T, where he was a Technician responsible for installing and maintaining various types of electronic telecommunication equipment, backup power and battery systems, and splicing/troubleshooting copper and fiber optic cables.
- Mark Porter joined NCPA's Hydroelectric Facility as Supervisor II, effective May 13, 2024. Mark joins us from San Diego County Water Authority where he was a Senior Rotating Technician. In this role, he was responsible for the Water Authority's hydroelectric plants, including maintaining, testing, troubleshooting, and modifying all aspects of hydroelectric equipment, which include but not limited to governors, exciters, protective relay equipment, flowmeters, transformers, circuit breakers, motors, generator winding repairs, bearing inspections and adjustments. Previously, Mark worked for the Department of Water Resources (DWR), where he was a Control System Technician responsible for 11-generation units, including SCADA, instrumentation equipment, and supervising contractors on capital improvement projects.

### **Intern Hires:**

- None.

### **Promotions:**

- Carrie Pollo was promoted to Executive Assistant to the General Manager and Assistant Secretary to the Commission at NCPA Headquarters, effective April 8, 2024. Carrie joined NCPA in 2000 and has worked as an administrator providing support to numerous agency divisions, including her role as the Administrative Assistant/Office Administrator III in Power Management and, most recently, as the interim Executive Assistant to the General Manager and Assistant Secretary to the Commission. In her new role, Carrie's knowledge and extensive experience will be vital in supporting the functions and duties of the General Manager's office and NCPA's Commission.

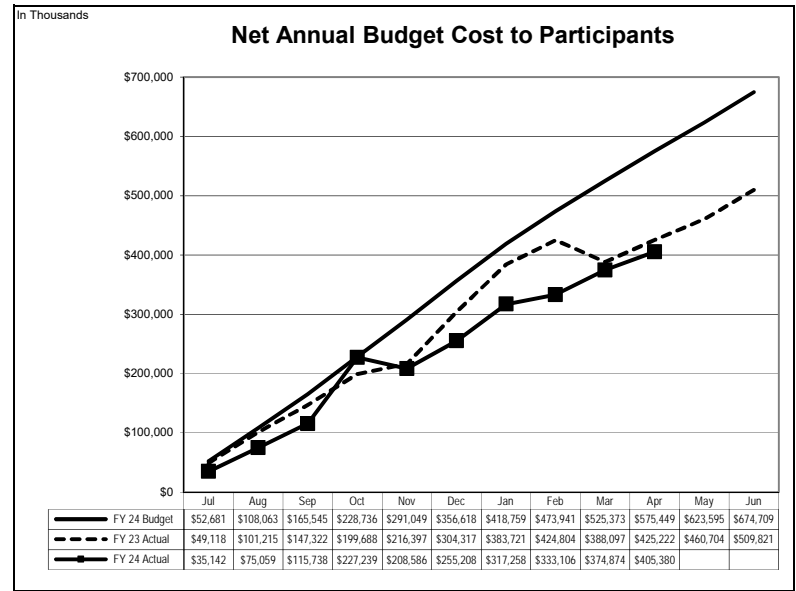
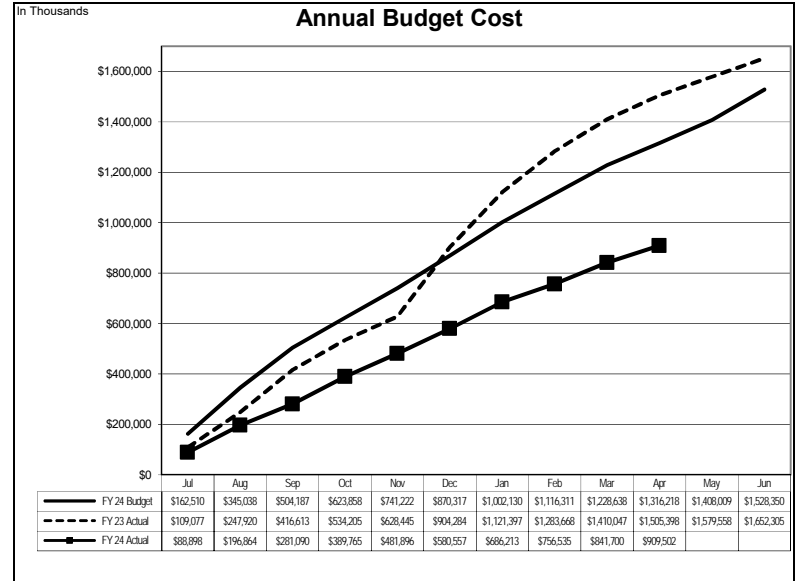
- Austin Pullman was promoted to Operator Technician—Lead Person at NCPA's Geothermal Facility, effective May 5, 2024. Austin joined NCPA in 2011 and progressed through the Operator Technician series. His knowledge and experience will be vital in supporting the Geothermal facility in his new role.

**Separations:**

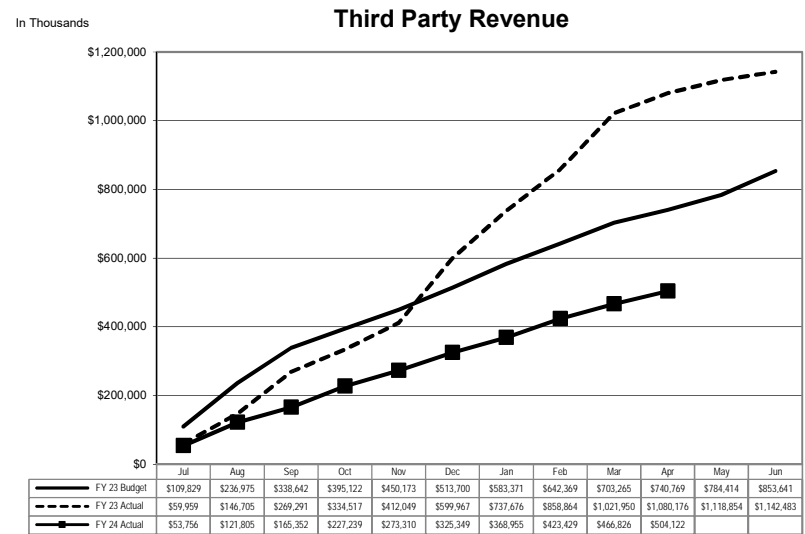
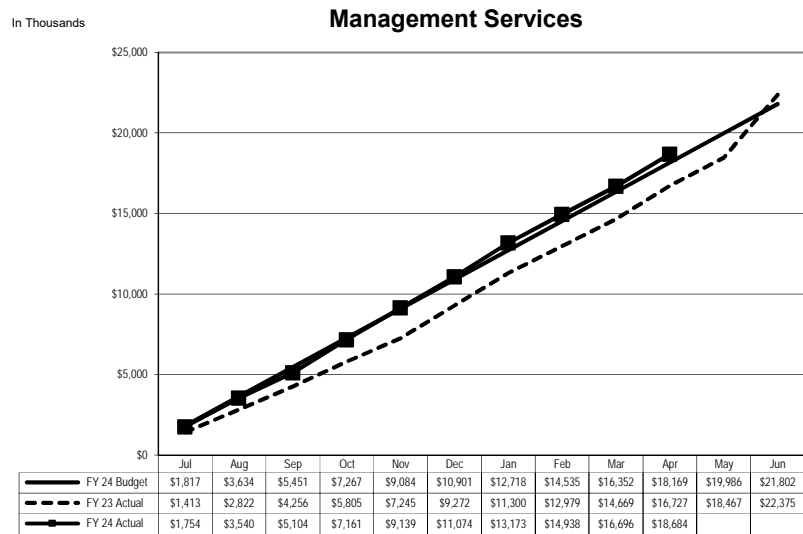
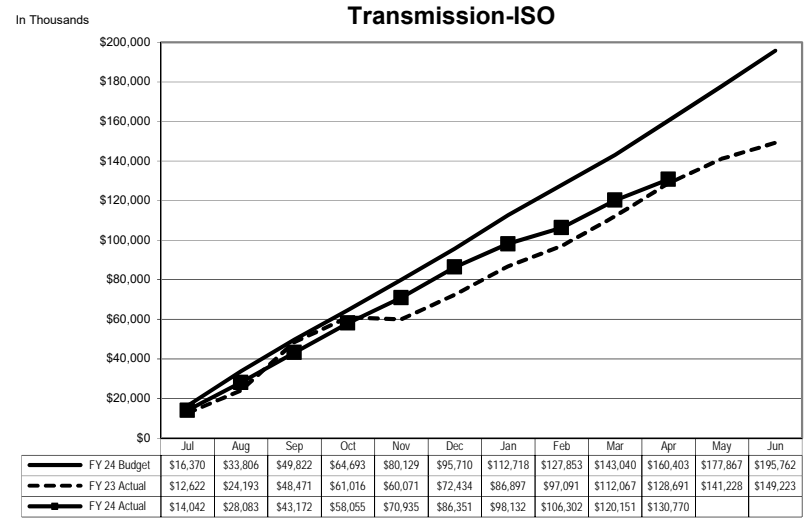
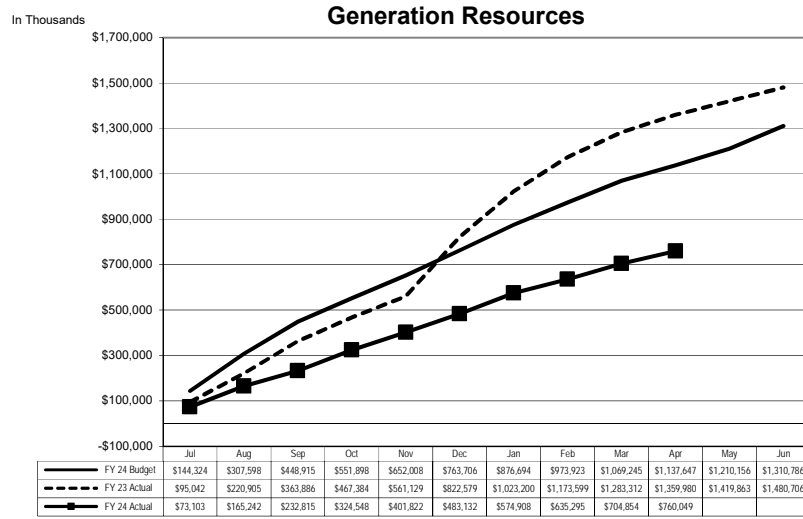
- Robert Orloff retired from his position as an Operator Technician – Lead Person at NCPA's Geothermal Facility on April 18, 2024, after 19 years of service.
- Rick Forest retired from his position as Senior Computer Technology Analyst at NCPA Headquarters on May 10, 2024, after 40 years of service.

**Annual Budget  
2023-2024 Fiscal Year To Date  
As of April 30, 2024**

In Thousands	Program			
	Budget	Actual	Under(Ovr) Budget	YTD % Remaining
<b>GENERATION RESOURCES</b>				
<b>NCPA Plants</b>				
Hydroelectric	57,650	48,113	\$ 9,537	17%
Geothermal Plant	50,009	37,824	12,184	24%
Combustion Turbine No. 1	6,932	4,176	2,756	40%
Combustion Turbine No. 2 (STIG)	9,217	6,955	2,263	25%
Lodi Energy Center	136,797	96,598	40,199	29%
	260,605	193,666	66,939	26%
<b>Member Resources - Energy</b>	70,125	64,463	5,662	8%
<b>Member Resources - Energy (Customer)</b>	359	84	275	77%
<b>Member Resources - Natural Gas</b>	2,510	4,320	(1,810)	-72%
<b>Western Resource</b>	25,839	12,338	13,501	52%
<b>Market Power Purchases</b>	37,309	34,754	2,555	7%
<b>Gross Load Costs</b>	691,439	338,884	352,556	51%
<b>Gross Load Costs (Customer)</b>	220,937	108,965	111,972	51%
<b>Net GHG Obligations</b>	1,363	1,572	(209)	-15%
<b>Net GHG Obligations (Customer)</b>	-	1,003	(1,003)	
<b>Preliminary Surveys and Investigations</b>	300	-	300	100%
	1,310,786	760,049	550,737	42%
<b>TRANSMISSION</b>				
Independent System Operator	195,762	120,034	75,728	39%
Independent System Operator - Customer	-	10,735	(10,735)	
	195,762	130,770	64,992	33%
<b>MANAGEMENT SERVICES</b>				
<b>Legislative &amp; Regulatory</b>				
Legislative Representation	2,250	1,659	591	26%
Regulatory Representation	763	714	49	6%
Western Representation	768	351	416	54%
Customer Programs	649	445	203	31%
	4,429	3,170	1,259	28%
<b>Judicial Action</b>	1,064	578	486	46%
<b>Power Management</b>				
System Control & Load Dispatch	7,900	6,244	1,656	21%
Forecasting & Prescheduling	2,891	2,357	534	18%
Industry Restructuring	392	342	50	13%
Contract Admin, Interconnection Svcs & Ext. Affairs	1,176	958	218	19%
Gas Purchase Program	79	51	28	36%
Market Purchase Project	113	67	46	41%
	12,552	10,018	2,534	20%
<b>Energy Risk Management</b>	144	142	2	2%
<b>Settlements</b>	1,076	602	473	44%
<b>Integrated System Support</b>	772	501	271	35%
<b>Participant Pass Through Costs</b>	1,765	1,396	369	21%
<b>Support Services</b>	-	2,276	(2,276)	
	21,802	18,684	3,119	14%
<b>TOTAL ANNUAL BUDGET COST</b>	1,528,350	909,502	618,848	40%
<b>LESS: THIRD PARTY REVENUE</b>				
<b>Plant ISO Energy Sales</b>	244,824	123,898	120,925	49%
<b>Member Resource ISO Energy Sales</b>	74,477	49,020	25,457	34%
<b>Member Owned Generation ISO Energy Sales</b>	179,429	111,870	67,558	38%
<b>Revenue from Customers</b>	70,212	33,913	36,299	52%
<b>Customer Owned Generation ISO Energy Sales</b>	154,466	1,108	153,358	99%
<b>NCPA Contracts ISO Energy Sales</b>	45,275	17,428	27,847	62%
<b>Western Resource ISO Energy Sales</b>	31,463	25,553	5,910	19%
<b>Load Aggregation Energy Sales</b>	-	73,114	(73,114)	
<b>Ancillary Services Sales</b>	9,295	1,576	7,718	83%
<b>Transmission Sales</b>	110	92	18	17%
<b>Western Credits, Interest &amp; Other Income</b>	44,090	66,548	(22,458)	-51%
	853,641	504,122	349,519	41%
<b>NET ANNUAL BUDGET COST TO PARTICIPANTS</b>	674,709	405,380	\$ 269,330	40%

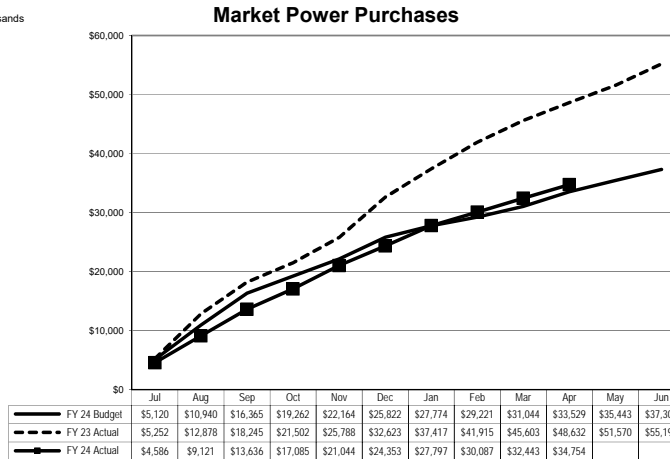
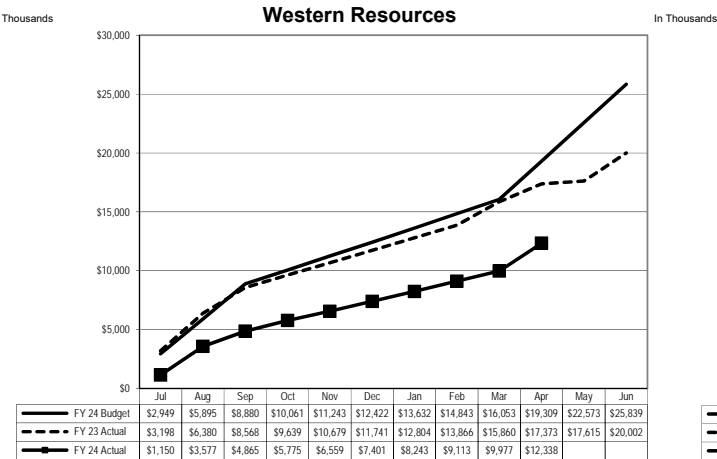
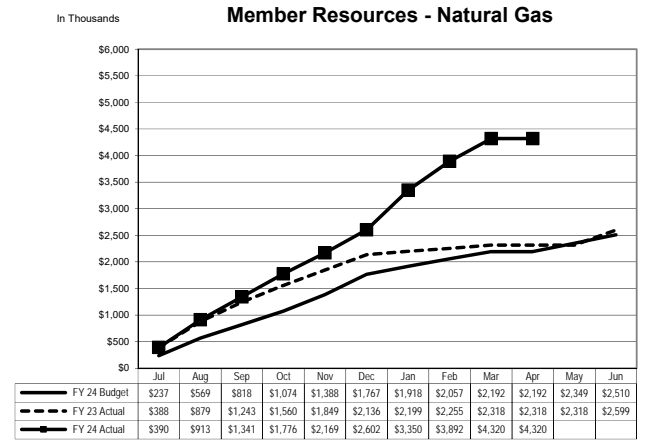
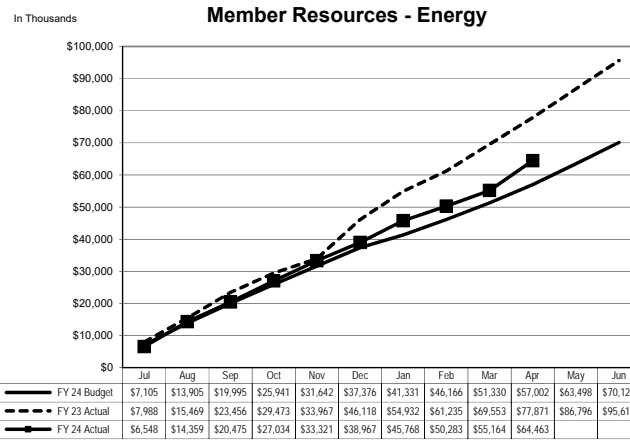
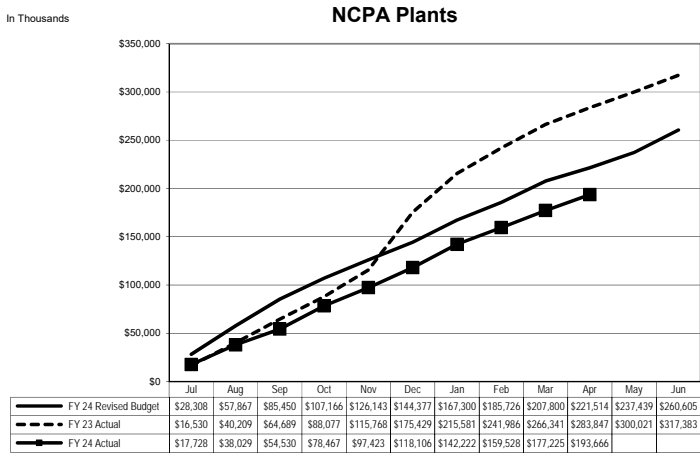


## Annual Budget Budget vs. Actual By Major Area As of April 30, 2024

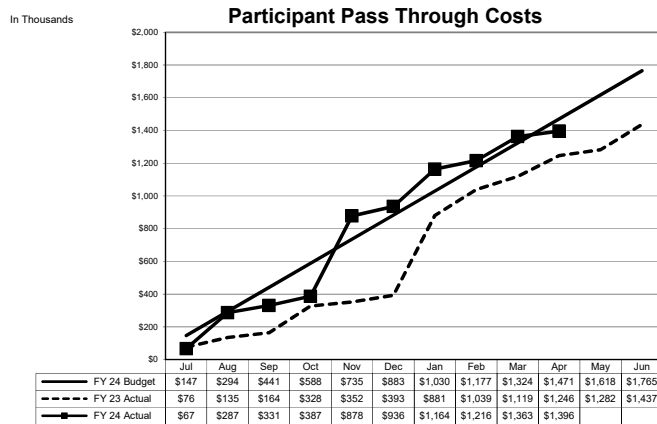
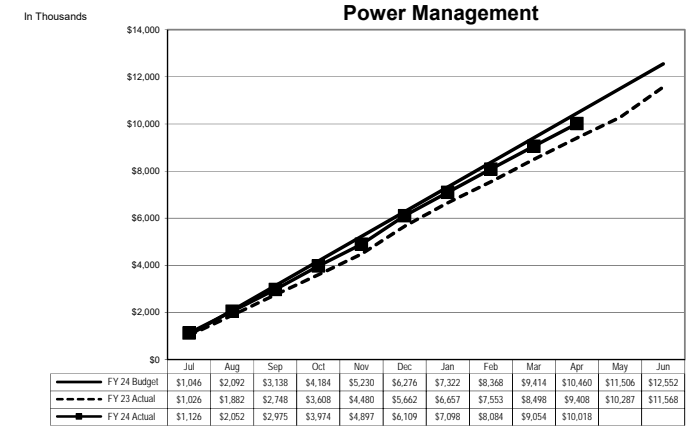
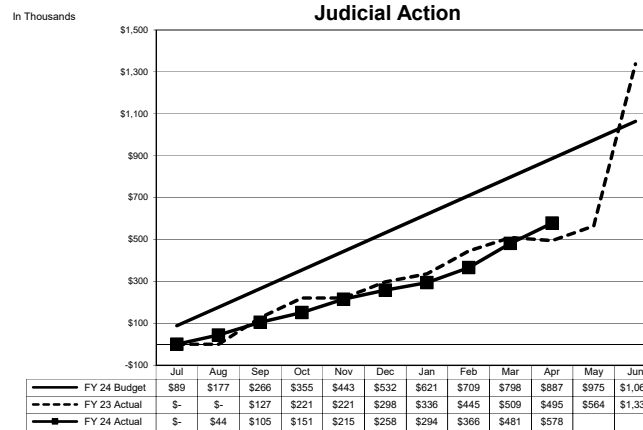
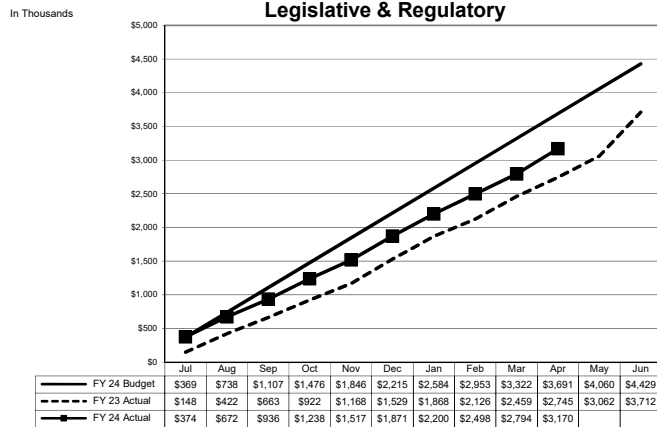


Footnote: Transmission is solely reflective of Independent System Operator (ISO) costs

## Annual Budget Cost Generation Resources Analysis By Source As of April 30, 2024



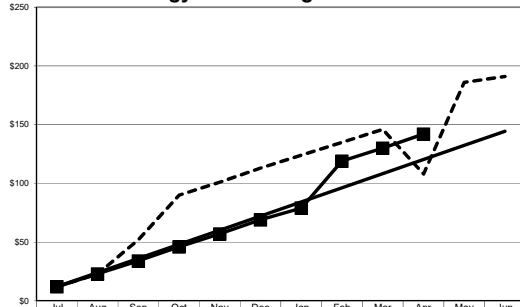
## Annual Budget Cost Management Services Analysis By Source As of April 30, 2024



**Annual Budget Cost  
Management Services Analysis By Source  
As of April 30, 2024**

In Thousands

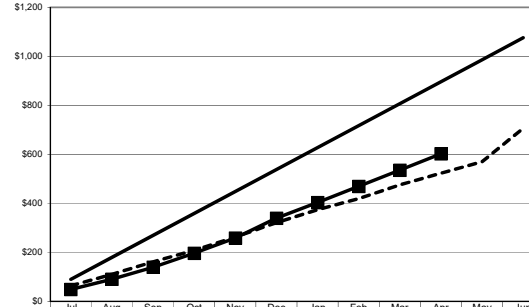
**Energy Risk Management**



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
FY 24 Budget	\$12	\$24	\$36	\$48	\$60	\$72	\$84	\$96	\$108	\$120	\$132	\$144
FY 23 Actual	\$12	\$23	\$52	\$90	\$101	\$113	\$124	\$135	\$146	\$108	\$186	\$191
FY 24 Actual	\$12	\$23	\$34	\$46	\$57	\$69	\$79	\$119	\$130	\$142		

In Thousands

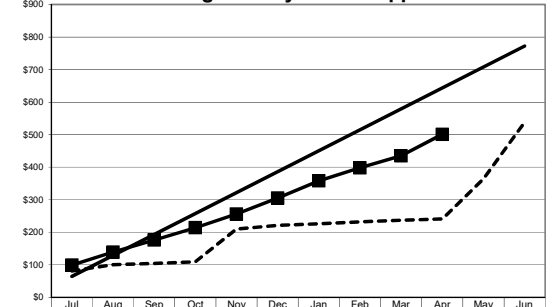
**Settlements**



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
FY 24 Budget	\$90	\$179	\$269	\$359	\$448	\$538	\$627	\$717	\$807	\$896	\$986	\$1,076
FY 23 Actual	\$63	\$110	\$161	\$208	\$262	\$321	\$374	\$419	\$475	\$523	\$570	\$706
FY 24 Actual	\$48	\$90	\$139	\$196	\$258	\$339	\$403	\$469	\$535	\$602		

In Thousands

**Integrated Systems Support**



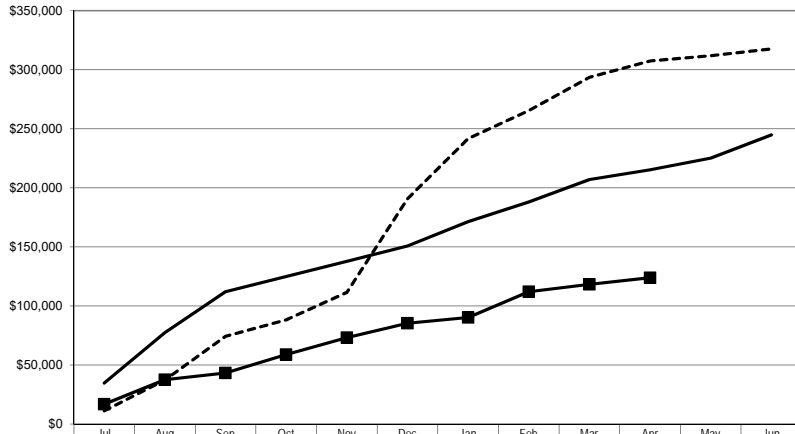
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
FY 24 Budget	\$64	\$129	\$193	\$257	\$322	\$386	\$451	\$515	\$579	\$644	\$708	\$772
FY 23 Actual	\$81	\$100	\$104	\$109	\$210	\$221	\$226	\$232	\$237	\$241	\$364	\$538
FY 24 Actual	\$99	\$139	\$176	\$214	\$256	\$305	\$358	\$398	\$435	\$501		



**Annual Budget Cost  
Third Party Revenue Analysis By Source  
As of April 30, 2024**

In Thousands

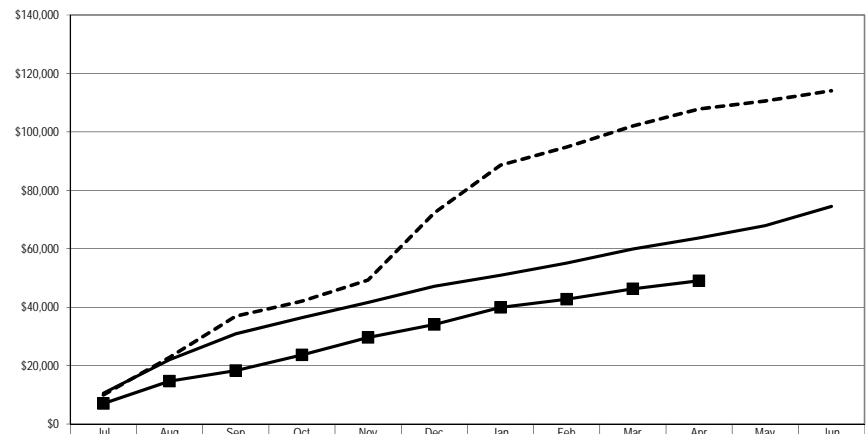
**Plant ISO Energy Sales**



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
FY 24 Budget	34,712	77,333	112,071	124,958	137,841	150,800	171,422	188,009	207,059	215,266	225,199	244,824
FY 23 Actual	\$11,193	\$37,232	\$74,267	\$88,244	\$111,556	\$190,712	\$241,677	\$265,470	\$293,646	\$307,459	\$311,908	\$317,660
FY 24 Actual	\$16,818	\$37,544	\$43,279	\$58,890	\$73,180	\$85,382	\$90,245	\$112,046	\$118,334	\$123,898		

In Thousands

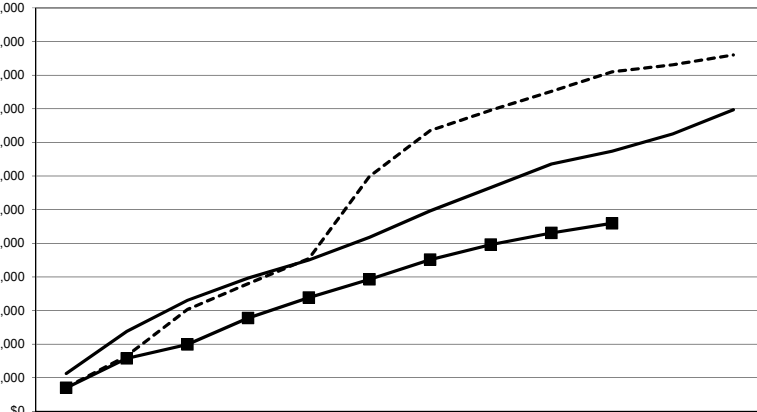
**Member Resource ISO Energy Sales**



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
FY 24 Budget	10,566	22,030	30,895	36,399	41,620	47,135	50,929	55,089	59,902	63,657	67,914	74,477
FY 23 Actual	\$9,959	\$22,848	\$36,898	\$42,054	\$49,294	\$72,296	\$88,592	\$94,791	\$102,041	\$107,842	\$110,573	\$114,062
FY 24 Actual	\$6,996	\$14,695	\$18,304	\$23,636	\$29,636	\$34,040	\$39,909	\$42,722	\$46,297	\$49,020		

In Thousands

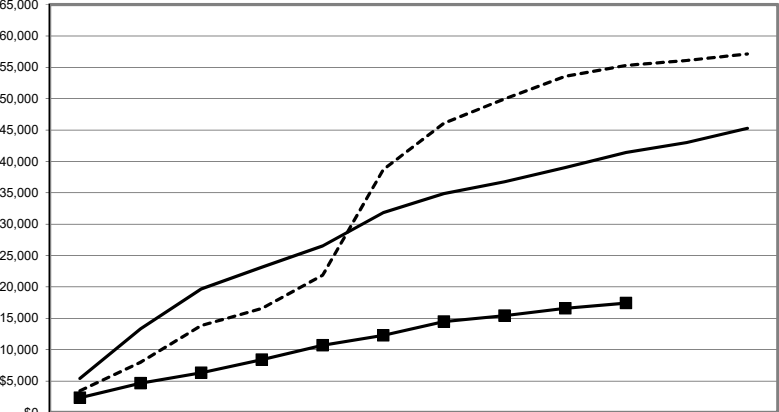
**Member Owned Generation ISO Energy Sales**



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
FY 24 Budget	22,523	47,578	66,042	79,291	90,096	103,545	119,299	133,138	147,158	154,802	165,021	179,429
FY 23 Actual	\$14,212	\$33,017	\$60,686	\$76,006	\$90,898	\$139,840	\$167,094	\$179,158	\$190,425	\$202,003	\$206,169	\$212,044
FY 24 Actual	\$13,963	\$31,475	\$39,795	\$55,497	\$67,642	\$78,555	\$90,260	\$99,221	\$106,097	\$111,870		

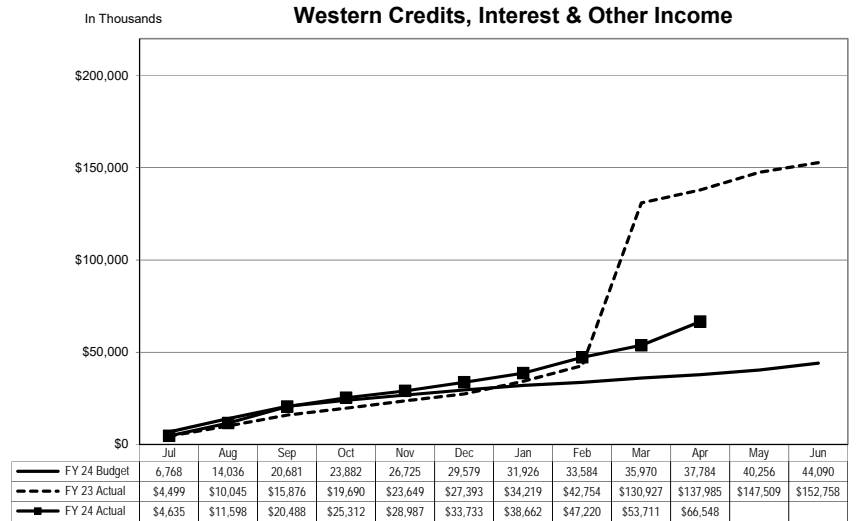
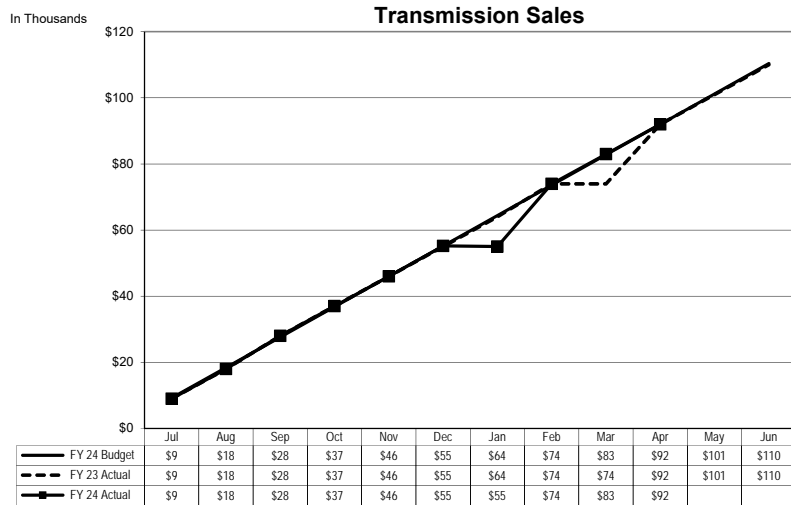
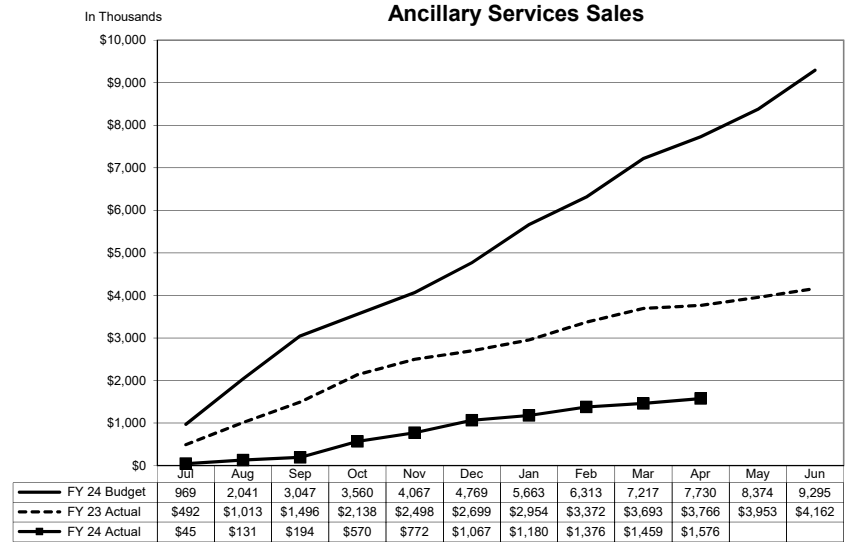
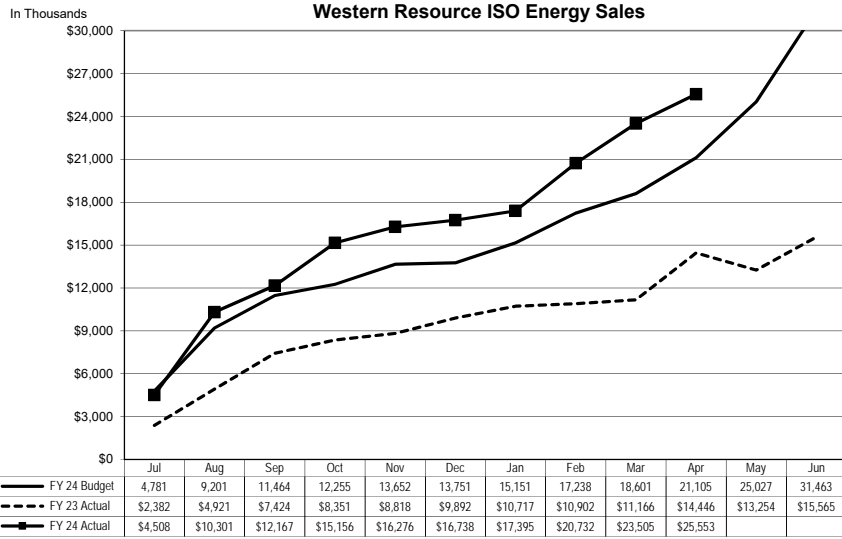
In Thousands

**NCPA Contracts ISO Energy Sales**



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
FY 24 Budget	5,423	13,335	19,664	23,141	26,530	31,834	34,869	36,751	39,027	41,420	43,013	45,275
FY 23 Actual	\$3,439	\$8,003	\$13,845	\$16,565	\$21,872	\$38,699	\$46,089	\$49,968	\$53,573	\$55,306	\$56,083	\$57,130
FY 24 Actual	\$2,329	\$4,660	\$6,314	\$8,406	\$10,704	\$12,270	\$14,469	\$15,420	\$16,604	\$17,428		

**Annual Budget Cost  
Third Party Revenue Analysis By Source  
As of April 30, 2024**



**Annual Budget  
NCPA Generation Detail Analysis By Plant  
As of April 30, 2024**

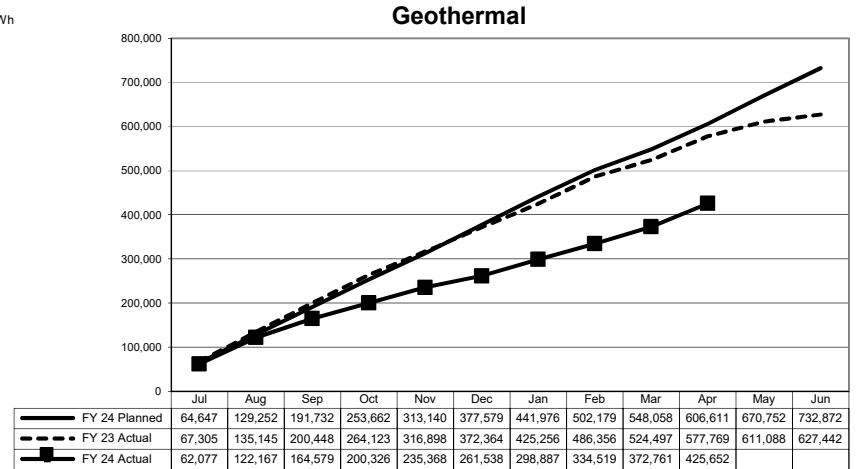
**Generation Cost Analysis**

\$ in thousands

	Geothermal				
	Budget	Actual	\$/MWh	Under(Over)	YTD %
			Actual	Budget	Remaining
Routine O & M	\$ 18,513	\$ 18,366	\$ 43.15	\$ 147	1%
Capital Assets/Spare Parts Inventories	14,032	6,300	14.80	7,732	55%
Other Costs	12,998	9,474	22.26	3,523	27%
CA ISO Charges	984	783	1.84	201	20%
Debt Service	3,482	2,902	6.82	580	17%
Annual Budget	50,009	37,824	88.86	12,184	24%
Less: Third Party Revenue					
Interest Income	150	605	1.42	(455)	-303%
ISO Energy Sales	65,632	23,601	55.45	42,032	64%
Ancillary Services Sales	-	-	-	-	0%
Effluent Revenues	750	1,296	3.04	(546)	-73%
Misc	113	6,263	14.71	(6,150)	-5439%
	66,646	31,765	74.63	34,881	52%
Net Annual Budget Cost to Participants	\$ (16,637)	\$ 6,059	\$ 14.24	\$ (22,696)	136%
Net Generation--MWh @ Meter	732,872	425,652			
\$/MWh (A)	\$ (27.45)	\$ 7.42			

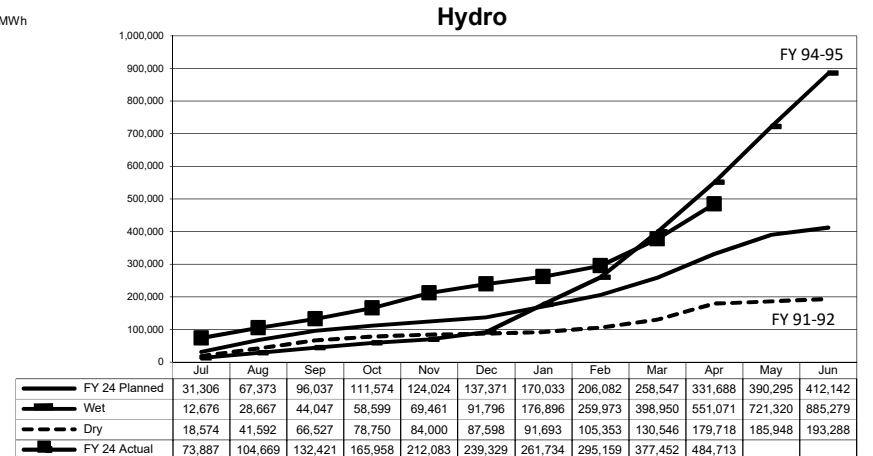
**MWhs Generated**

In MWh



	Hydroelectric				
	Budget	Actual	\$/MWh	Under(Over)	YTD %
			Actual	Budget	Remaining
Routine O & M	\$ 10,555	\$ 7,367	\$ 15.20	\$ 3,188	30%
Capital Assets/Spare Parts Inventories	6,445	4,791	9.88	1,654	26%
Other Costs	4,706	3,495	7.21	1,210	26%
CA ISO Charges	1,298	3,588	7.40	(2,290)	-176%
Debt Service	34,646	28,872	59.56	5,774	17%
Annual Budget	57,650	48,113	99.26	9,537	17%
Less: Third Party Revenue					
Interest Income	150	622	1.28	(472)	-315%
ISO Energy Sales	47,892	32,276	66.59	15,616	33%
Ancillary Services Sales	4,579	670	1.38	3,909	85%
Misc	-	723	1.49	(723)	0%
	52,622	34,292	70.75	18,330	35%
Net Annual Budget Cost to Participants	\$ 5,029	\$ 13,822	\$ 28.52	\$ (8,793)	
Net Generation--MWh @ Meter	412,142	484,713			
\$/MWh (A)	\$ (71.86)	\$ (31.05)			

In MWh



Footnotes:

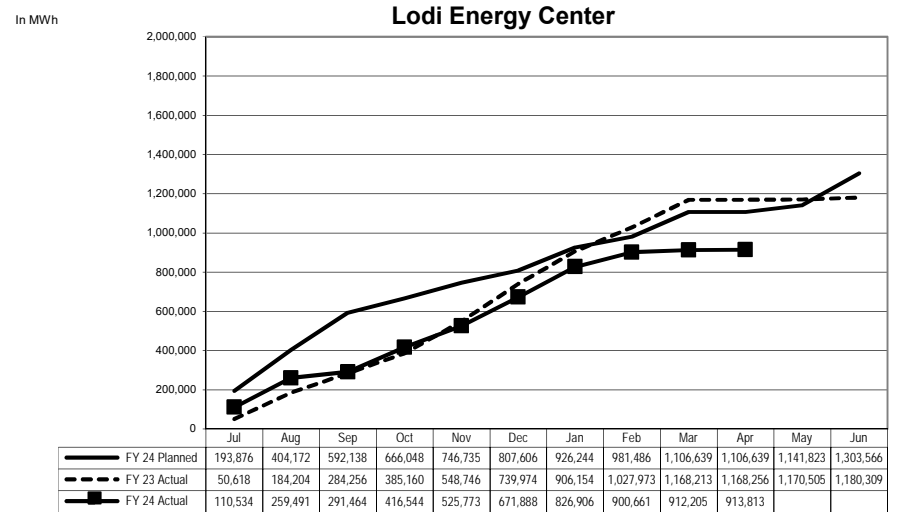
(A) Aggregate fiscal year generation in \$/MWh (excluding debt service)

**Annual Budget  
NCPA Generation Detail Analysis By Plant  
As of April 30, 2024**

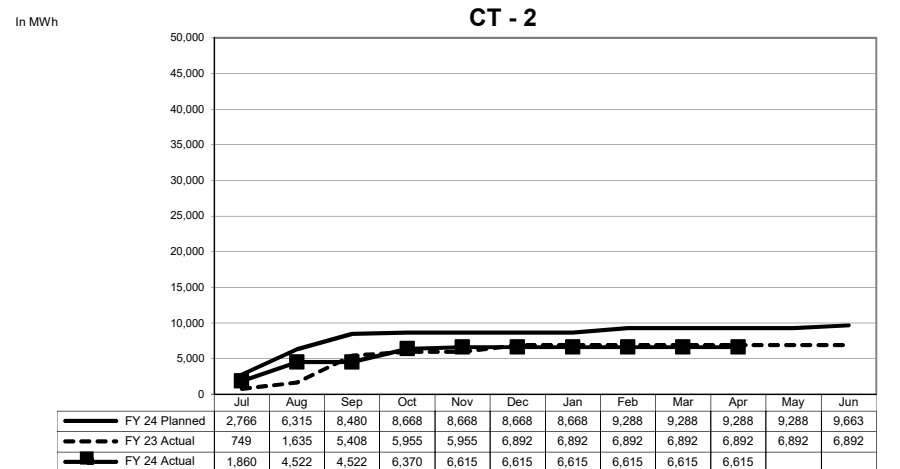
**Generation Cost Analysis**

	Lodi Energy Center				
	Budget	Actual	\$/MWh Actual	Under(Over) Budget	YTD % Remaining
Routine O & M	\$ 10,580	\$ 9,585	\$ 10.49	\$ 996	9%
Fuel	71,518	38,083	41.67	33,435	47%
GHG Allowance Costs	13,985	14,000	15.32	(15)	0%
CA ISO Charges and Energy Purchases	1,364	2,944	3.22	(1,580)	-116%
Capital Assets/Spare Parts Inventories	3,913	3,557	3.89	355	9%
Other Costs	9,445	6,769	7.41	2,676	28%
Debt Service	25,992	21,660	23.70	4,332	17%
<b>Annual Budget</b>	<b>136,797</b>	<b>96,598</b>	<b>105.71</b>	<b>40,199</b>	<b>29%</b>
Less: Third Party Revenue					
Interest Income	250	1,133	1.24	(883)	-353%
ISO Energy Sales	123,919	65,705	71.90	58,214	47%
Ancillary Services Sales	2,011	822	0.90	1,188	59%
Transfer Gas Credit	-	-	-	-	0%
GHG Allowance Credits	13,612	14,000	15.32	(389)	-3%
Misc	-	1	0.00	(1)	0%
	<b>139,791</b>	<b>81,662</b>	<b>89.36</b>	<b>58,129</b>	<b>42%</b>
<b>Net Annual Budget Cost to Participants</b>	<b>\$ (2,994)</b>	<b>\$ 14,936</b>	<b>\$ 16.34</b>	<b>\$ (17,930)</b>	<b>599%</b>
Net Generation--MWh @ Meter	1,303,566	913,813			
<b>\$/MWh (A)</b>	<b>\$ (22.24)</b>	<b>\$ (7.36)</b>			

**MWhs Generated**



	Combustion Turbine No. 2 (STIG)				
	Budget	Actual	\$/MWh Actual	Under(Over) Budget	YTD % Remaining
Routine O & M	\$ 1,674	\$ 1,329	\$ 200.89	\$ 345	21%
Fuel and Pipeline Transport Charges	1,177	279	42.25	898	76%
GHG Allowance Costs	171	-	-	171	100%
Capital Assets/Spare Parts Inventories	390	129	19.46	261	67%
Other Costs	728	480	72.50	249	34%
CA ISO Charges	19	57	8.65	(38)	-199%
Debt Service	5,058	4,215	637.25	843	17%
<b>Annual Budget</b>	<b>9,217</b>	<b>6,489</b>	<b>980.99</b>	<b>2,728</b>	<b>30%</b>
Less: Third Party Revenue					
Interest Income	42	186	28.17	(144)	-344%
ISO Energy Sales	2,828	1,074	162.41	1,754	62%
Ancillary Service Sales	-	-	-	-	0%
Fuel and Pipeline Transport Credits	951	1,134	171.46	(183)	-19%
GHG Allowance Credits	171	-	-	171	100%
Misc	-	0	0.02	(0)	0%
	<b>3,992</b>	<b>2,395</b>	<b>362.06</b>	<b>1,597</b>	<b>40%</b>
<b>Net Annual Budget Cost to Participants</b>	<b>\$ 5,226</b>	<b>\$ 4,094</b>	<b>\$ 618.93</b>	<b>\$ 1,131</b>	<b>22%</b>
Net Generation--MWh @ Meter	9,663	6,615			
<b>\$/MWh (A)</b>	<b>\$ 17.30</b>	<b>\$ (18.32)</b>			



Footnotes:

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

**Annual Budget  
NCPA Generation Detail Analysis By Plant  
As of April 30, 2024**

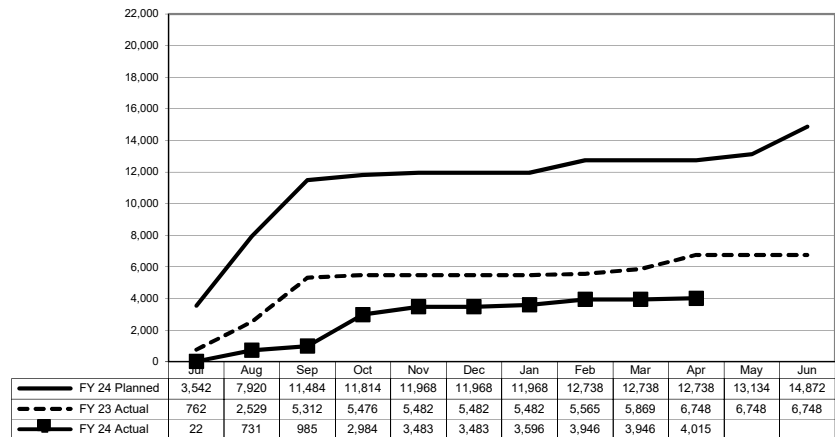
**Generation Cost Analysis**

	Combustion Turbine No. 1				
	Budget	Actual	\$/MWh Actual	Under(Over) Budget	YTD % Remaining
Routine O & M	\$ 2,597	\$ 1,871	\$ 465.95	\$ 726	28%
Fuel and Pipeline Transport Charges	2,388	542	134.92	1,846	77%
Capital Assets/Spare Parts Inventories	1,045	791	197.03	254	24%
Other Costs	852	662	164.95	190	22%
CA ISO Charges	50	310	77.13	(260)	-517%
Debt Service	-	-	-	-	-
Annual Budget	6,932	4,176	1,039.97	2,756	40%
Less: Third Party Revenue					
Interest Income	55	129		(74)	-135%
ISO Energy Sales	4,552	1,242	309.32	3,310	73%
Ancillary Services Sales	-	-	-	-	0%
Misc	-	-	-	-	0%
	4,607	1,371	309.32	3,236	70%
Net Annual Budget Cost to Participants	\$ 2,325	\$ 2,804	\$ 698.44	\$ (479)	-21%
Net Generation--MWh @ Meter	14,872	4,015			
\$/MWh (A)	\$ 156.32	\$ 698.44			

**MWhs Generated**

In MWh

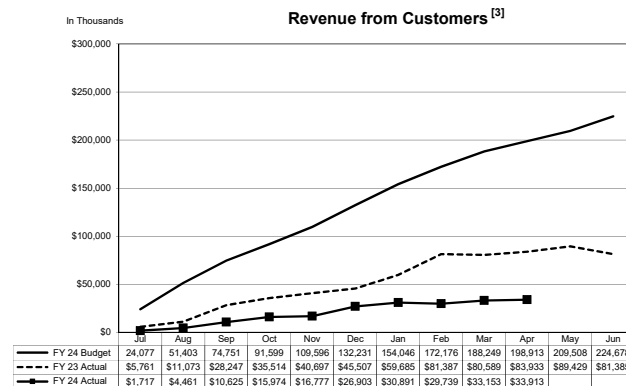
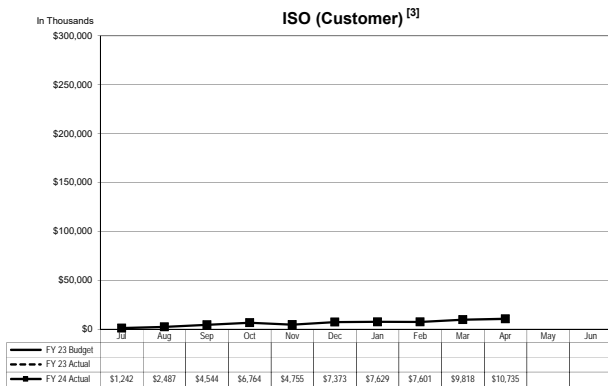
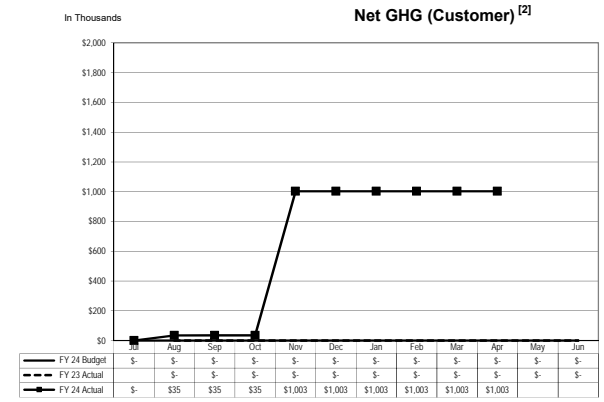
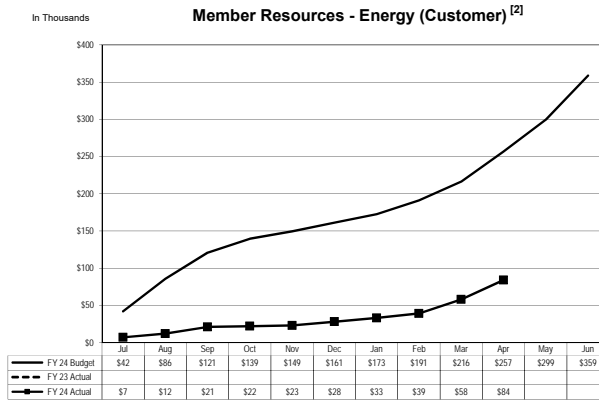
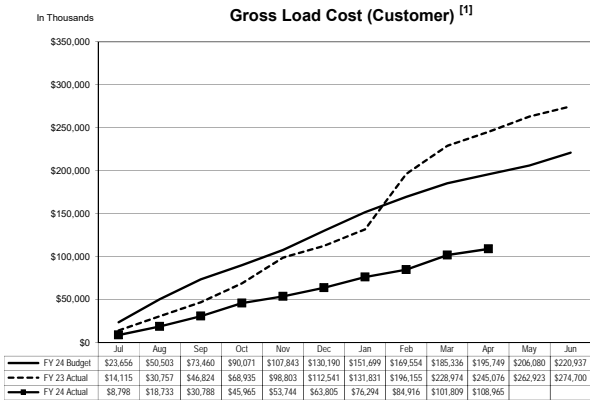
**CT - 1**



Footnotes:

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

**Annual Budget Cost  
NCPA Customers  
As of April 30, 2024**



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