

ATTACHMENT I
LADWP Rates Metrics
Summary 2023-2024 Fiscal Year
To Date (April 2024)

LADWP RATES METRICS SUMMARY

Related Rate Adjustment Factor	Category	#	Board Metric	Definition	FY 23/24 Target	Acceptable Variance	Responsible Manager	April 2024 Performance
Reliability Cost Adjustment Factor	Power System Training Plan	1	Average cost of Power System Training Plan per trainee	Average cost of training for Electric Distribution Mechanic Technician (EDMT) classification per trainee that graduates from respective training program	EDMT: \$594.9K	+/- 25%	Theodore Zeiss	45.3%
	Power System Training Plan	2	Average cost of Power System Training Plan per trainee	Average cost of training for Electrical Mechanic Technician (EMT) classification per trainee that graduates from respective training program	EMT: \$689.7K	+/- 25%	Theodore Zeiss	22.5%
	Power System Training Plan	3	Number of trainee graduates against Power System Training Plan	Number of Electric Distribution Mechanic Technician (EDMT) trainees that graduate from each respective training program against the annual training plan	EDMT: 25	+/- 15%	Theodore Zeiss	0.0%
	Power System Training Plan	4	Number of trainee graduates against Power System Training Plan	Number of Electrical Mechanic Technician (EMT) trainees that graduate from each respective training program against the annual training plan	EMT: 25	+/- 15%	Theodore Zeiss	16.0%
Power (None)	Power Distribution Staffing Program	5	Number of Full Time Equivalents (FTEs) for Power Distribution field positions as compared to plan	Number of Full Time Equivalents (FTEs) for Power Distribution field positions as compared to plan	Vacant budgeted Power Distribution field positions at 495 vacancies or less by the end of the fiscal year	+/- 15%	Nazir Fazli	18.7%
Energy Cost Adjustment Factor	Renewable Portfolio Standard (Owned)	6	Renewable Portfolio Standard (RPS) Percentage (%)	GWh from RPS plants/GWh for all customers (State requirement)	41.25% for Calendar Year 2023 44.00% for Calendar Year 2024	+/- 3% of each calendar year's goal toward state law mandates	Steven Pruett	N/A
	Renewable Portfolio Standard (Owned)	7	Total RPS cost (\$/MWh) vs. plan, by technology (Wind)	Total RPS purchased power cost (\$/MWh) as compared to plan, by technology (Wind)	Wind: \$108.88/MWh	+ 15%	Marlon Santa Cruz	-4.4%
	Renewable Portfolio Standard (Owned)	8	Total RPS cost (\$/MWh) vs. plan, by technology (Solar)	Total RPS purchased power cost (\$/MWh) as compared to plan, by technology (Solar)	Solar: \$71.29/MWh	+ 15%	Marlon Santa Cruz	-0.4%
	Renewable Portfolio Standard (Owned)	9	Total RPS cost (\$/MWh) vs. plan, by technology (Geothermal)	Total RPS purchased power cost (\$/MWh) as compared to plan, by technology (Geothermal)	Geothermal: \$79.41/MWh	+ 15%	Marlon Santa Cruz	-5.8%
	Renewable Portfolio Standard (Owned)	10	Last signed power purchase agreement (PPA) (\$/MWh) by technology (Wind)	Last signed PPA (\$/MWh) by technology (Wind)	Wind: \$41.00/MWh	+30%	Marlon Santa Cruz	-37.8%
	Renewable Portfolio Standard (Owned)	11	Last signed PPA (\$/MWh) by technology (Solar)	Last signed PPA (\$/MWh) by technology (Solar)	Solar: \$41.00/MWh	+15%	Marlon Santa Cruz	-52.0%
	Renewable Portfolio Standard (Owned)	12	Last signed PPA (\$/MWh) by technology (Geothermal)	Last signed PPA (\$/MWh) by technology (Geothermal)	Geothermal: \$61.00/MWh	+30%	Marlon Santa Cruz	23.8%

Related Rate Adjustment Factor	Category	#	Board Metric	Definition	FY 23/24 Target	Acceptable Variance	Responsible Manager	April 2024 Performance
Reliability Cost Adjustment Factor	Power System Reliability Program (Generation)	13	Budget vs. actual (\$M) for capital in the Generation budget	Board Approved Annual Budget vs. Actual expenditures	FY23/24 Board Approved Budget - May 2023	+/- 15%	Jose Gutierrez	-28.3%
	Power System Reliability Program (Transmission)	14	Budget vs. actual (\$M) for capital included in the Transmission budget	Board Approved Annual Budget vs. Actual expenditures	FY23/24 Board Approved Budget - May 2023	+/- 15%	Adriana Perez	-57.4%
		15	Budget vs. actual (\$M) for O&M expenses included in the Transmission budget	Board Approved Annual Budget vs. Actual expenditures	FY23/24 Board Approved Budget - May 2023	+/- 15%	Lucien Patenaude	-13.2%
	Power System Reliability Program (Substation)	16	Budget vs. actual (\$M) for capital in the Substation budget	Board Approved Annual Budget vs. Actual expenditures	FY23/24 Board Approved Budget - May 2023	+/- 15%	Vincent Zabukovec	-27.3%
		17	Budget vs. actual (\$M) for O&M expenses in the Substation budget	Board Approved Annual Budget vs. Actual expenditures	FY23/24 Board Approved Budget - May 2023	+/- 15%	Jonathan Fonti	20.3%
	Power System Reliability Program (Distribution)	18	Budget vs. actual (\$M) for capital in the Distribution budget	Board Approved Annual Budget vs. Actual expenditures	FY23/24 Board Approved Budget - May 2023	+/- 15%	Tesfaye Zeleke	-5.4%
		19	Budget vs. actual (\$M) for O&M expenses in the Distribution budget	Board Approved Annual Budget vs. Actual expenditures	FY23/24 Board Approved Budget - May 2023	+/- 15%	Lucien Patenaude	19.7%
	Power System Reliability Program (Distribution)	20	Number of fixed assets replaced against plan for critical Distribution assets (Transformers)	Numbers of transformers replaced against plan	Transformer: 1,255	+/- 15%	Lucien Patenaude	-4.6%
		21	Number of fixed assets replaced against plan for critical Distribution assets (Poles)	Numbers of poles replaced against plan	Pole: 3,700	+/- 15%	Lucien Patenaude	-21.5%
		22	Number of fixed assets replaced against plan for critical Distribution assets (Crossarms)	Numbers of crossarms replaced against plan	Cross-arm: 12,600	+/- 15%	Lucien Patenaude	-20.6%
		23	Number of fixed assets replaced against plan for critical Distribution assets (Cable)	Numbers of miles of cable replaced against plan	Cable: 60 miles	+/- 15%	Tesfaye Zeleke	-32.0%
	Power System Reliability Program (Distribution)	24	Average unit price for critical Distribution assets (Transformers)	Average unit price per transformer	Transformer: \$10.2k	+/- 15%	Walter Rodriguez, Jr.	-3.9%
		25	Average unit price for critical Distribution assets (Poles)	Average unit price per pole	Pole: \$36.6k	+/- 15%	Walter Rodriguez, Jr.	27.6%
		26	Average unit price for critical Distribution assets (Cross-arms)	Average unit price per cross-arm	Cross-arm: \$1.6k	+/- 15%	Walter Rodriguez, Jr.	131.3%
		27	Average unit price for critical Distribution assets (Cable)	Average unit price per mile of cable	Cable: \$1,376.1k	+/- 15%	Walter Rodriguez, Jr.	69.5%
	Distribution Automation Project	28	Distribution Automation Project total spending against plan	Board Approved Annual Budget vs. Actual expenditures	FY23/24 Board Approved Budget - May 2023	+/- 15%	Vipul Sampat	-13.1%

Within Acceptable Variance Outside Acceptable Variance Exceeds Target Needs Attention

Related Rate Adjustment Factor	Category	#	Board Metric	Definition	FY 23/24 Target	Acceptable Variance	Responsible Manager	April 2024 Performance
	Distribution Automation Project progress	29	Distribution Automation Project progress against schedule	Project milestones met against project schedule	Project Milestones and Dates: Target date: FY 23/24 Qtr 2 (Oct 2023-Dec 2023) - Complete installation of pole top communication equipment. Target date: FY 23/24 Qtr 4 (Apr 2024-Jun 2024) - Complete construction work at RS-G, DS-93, and DS-36. Target date: FY 23/24 Qtr 4 (Apr 2024-Jun 2024) - Complete installation of reclosers and Intelligent Electronic Device (IEDs) on 36-05 and 36-10.	Info only	Vipul Sampat	N/A
Water (None)	Water Distribution Staffing Program	30	Number of Full Time Equivalents (FTEs) for Water Distribution dedicated to infrastructure field positions as compared to plan	Number of FTEs hired and dedicated to Water Distribution field position as compared to plan	Vacant budgeted Water Distribution infrastructure field positions at 86 vacancies or less by the end of the fiscal year	+/- 15%	Breonia Lindsey/Sandra Foster	0.0%
Water Supply Cost Adjustment Factor	Water Supply	31	Water supply costs budget vs. actual (\$M) for capital	Board Approved Annual Budget vs. Actual expenditures	FY23/24 Board Approved Budget - May 2023	+/- 10%	April Thang	-27.0%
	Water Supply	32	Water supply costs budget vs. actual (\$M) for O&M (excluding Purchased Water costs)	Board Approved Annual Budget vs. Actual expenditures	FY23/24 Board Approved Budget - May 2023	+/- 10%	April Thang	-0.1%
	Water Supply	33	Annual quantity of purchased water in acre-feet (AF) against plan	AF of water purchased against plan	No Target	Info only	April Thang	NA
	Water Supply	34	Annual quantity of recycled water delivered against plan (AF)	AF of recycled water delivered against plan	No Target	Info only	Jesus Gonzalez	NA
	Water Supply	35	Stormwater system capacity milestones (AF) against plan	AF of stormwater system capacity as of a milestone date against plan	83,000 AFY	+/- 10%	David R. Pettijohn	0.1%
	Capital Improvement Program	36	Budget vs. actual (\$M) for Aqueduct refurbishment capital	Board Approved Annual Budget vs. Actual expenditures	FY23/24 Board Approved Budget - May 2023	+/- 10%	Wendy McGhie	-53.1%
	Capital Improvement Program	37	Budget vs. actual (\$M) for Aqueduct refurbishment O&M	Board Approved Annual Budget vs. Actual expenditures	FY23/24 Board Approved Budget - May 2023	+/- 10%	Wendy McGhie	30.0%
	Water Supply	38	Level of water conservation against target (GPCD)	Gallons per capita per day (GPCD) of water conserved against target	106 Gallons	+/- 10%	Terrence McCarthy	-2.8%
Water Infrastructure Adjustment Factor	Capital Improvement Program	39	Budget vs. actual (\$M) for fixed assets replacement	Board Approved Annual Budget vs. Actual expenditures	FY23/24 Board Approved Budget - May 2023	+/- 10%	April Thang	-6.5%
	Capital Improvement Program	40	Assets replaced against plan	Feet of mainline replaced against plan	Mainline: 225,000 Feet	+/- 10%	Mainline & Meters: Breonia Lindsey/Sandra Foster	-0.6%
	Capital Improvement Program	41	Assets replaced against plan	Feet of trunkline replaced against plan	Trunk Line: 6,900 Feet	+/- 10%	Trunkline: Paul Liu	-30.9%
	Capital Improvement Program	42	Assets replaced against plan	Number of meters replaced against plan	Meters: 34,000	+/- 10%	Mainline & Meters: Breonia Lindsey/Sandra Foster	-11.5%

Within Acceptable Variance Outside Acceptable Variance Exceeds Target Needs Attention

Related Rate Adjustment Factor	Category	#	Board Metric	Definition	FY 23/24 Target	Acceptable Variance	Responsible Manager	April 2024 Performance
Water Quality Improvement Adjustment Factor	Water Quality Projects	43	Total Water Quality Budget vs. actual (\$M) for capital	Board Approved Annual Budget vs. Actual expenditures	FY23/24 Board Approved Budget - May 2023	+/- 10%	Paul Liu	-20.1%
Water Quality Improvement Adjustment Factor	Water Quality Projects	44	Total Water Quality Budget vs. actual (\$M) for O&M	Board Approved Annual Budget vs. Actual expenditures	FY23/24 Board Approved Budget - May 2023	+/- 10%	Ruben Rosales	-2.3%
Owens Valley Regulatory Adjustment Factor	Owens Valley	45	Budget vs. actual for Owens Lake O&M (\$M)	Board Approved Annual Budget vs. Actual expenditures	No Target	Info only	Jaime Valenzuela	NA
Joint (None)	Human Resources	46	Human Resources Total FTEs against plan	Total number of full time equivalent positions occupied vs. annual Authorized Personnel Resolution	FY23/24 Board Approved Annual Authorized Personnel Resolution - May 2023	+/- 20%	Gregory Reed	-16.3%
	Financial and Human Resources Replacement Project	47	Financial and Human Resources Replacement Project total spending against plan	Board Approved Annual Budget vs. Actual expenditures	FY23/24 Board Approved Budget - May 2023	+/- 20%	Alina Cummings	-37.2%
	Financial and Human Resources Replacement Project	48	Financial and Human Resources Replacement Project progress against schedule	Project milestones met against project schedule	Phase 1: Human Capital Management (HCM) Test Stage Completion Dec 2024 Phase 1: Deploy Jan 2024 Phase 2: Financial Management (FIN) Configure & Prototype Stage Completion Sept 2023 Phase 2: FIN Test Stage Completion May 2024	Info only	Alina Cummings	NA
	Cyber Security Capital Projects	49	Budget vs. Actual (\$M) for Cyber Security Capital Projects	Board Approved Annual Budget vs. Actual expenditures	FY23/24 Board Approved Budget - May 2023	+/- 15%	Marco Elizarraras	-26.0%
	Customer Information System Upgrades	50	Budget vs. Actual (\$M) for Customer Information System (CIS) Upgrades, Enhancements and System Integrations	Board Approved Annual Budget vs. Actual expenditures	FY23/24 Board Approved Budget - May 2023	+/- 15%	Annamae Peji	-79.5%
	Information Technology Services Staffing Program	51	Number of Full Time Equivalents (FTEs) for Information Technology Services (ITS) as compared to plan	Number of FTEs for ITS employed as compared to plan	Vacant budgeted ITS positions at 50 vacancies or less by the end of the fiscal year	+/- 15%	Mona Guirguis	-57.4%
	LADWP Employee Cost	52	LADWP Employee Cost Budget vs. Actual (\$M)	LADWP total employee costs (including regular labor, overtime, pension and healthcare, excluding daily exempt and Utility Pre-Craft Trainees) Budget vs. Actual	FY23/24 Board Approved Budget - May 2023	+/- 15%	LADWP Senior Management	3.4%
	Water Distribution Employees per Water Customer Meter	53	Total Number of Water Distribution Employees per Water Customer Meter	Total number of water distribution employees (excluding daily exempt and Utility Pre-Craft Trainees) per water customer meters	No Target	Info only	Corporate Performance	NA
	Power Distribution Employees per Power Customer Meter	54	Total Number Power Distribution Employees per Power Customer Meter	Total number of power distribution employees (excluding daily exempt and Utility Pre-Craft Trainees) per electric customer meters	No Target	Info only	Corporate Performance	NA

Within Acceptable Variance Outside Acceptable Variance Exceeds Target Needs Attention

Related Rate Adjustment Factor	Category	#	Board Metric	Definition	FY 23/24 Target	Acceptable Variance	Responsible Manager	April 2024 Performance
	LADWP Employees per Customer Meter	55	Total Number of Water and Power Employees per Customer Meter	Total number of water and power employees (excluding daily exempt and Utility Pre-Craft Trainees) per water and power meters	No Target	Info only	Corporate Performance	NA
Energy Cost Adjustment Factor	Renewable Portfolio Standard (Owned)	56	Green House Gas (GHG) emissions reduction ratio	GHG emission for current year/GHG emission in 1990 (in millions of metric tons)	Calendar Year 2023: 60% below LADWP's 1990 levels Calendar Year 2024: 60% below LADWP's 1990 levels	+5%	Katherine Rubin	40.0%
Energy Cost Adjustment Factor	Energy Efficiency	57	Energy Efficiency (EE) ratio (%)	GWh installed compared to the 2020 baseline/GWh for all customers	1.50%	+/- 15%	David Jacot	-28.8%
	Energy Efficiency	58	Budget vs. actual (\$M) for the overall EE portfolio	Board Approved Annual Budget vs. Actual expenditures	FY23/24 Board Approved Budget - May 2023	+/- 15%	David Jacot	-30.8%
	Energy Efficiency	59	Levelized EE program costs (\$/kWh)	Cost per kWh over lifetime of installed energy efficiency solutions	Annual metric: Levelized Cost \$0.047/kWh	+/- 15%	David Jacot	

Power System

LADWP RATES METRIC – Average Cost per Electric Distribution Mechanic Trainee (Power)

Theodore Zeiss

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RESPONSIBLE MANAGER: Theodore Zeiss, Power System Safety and Training - Safety

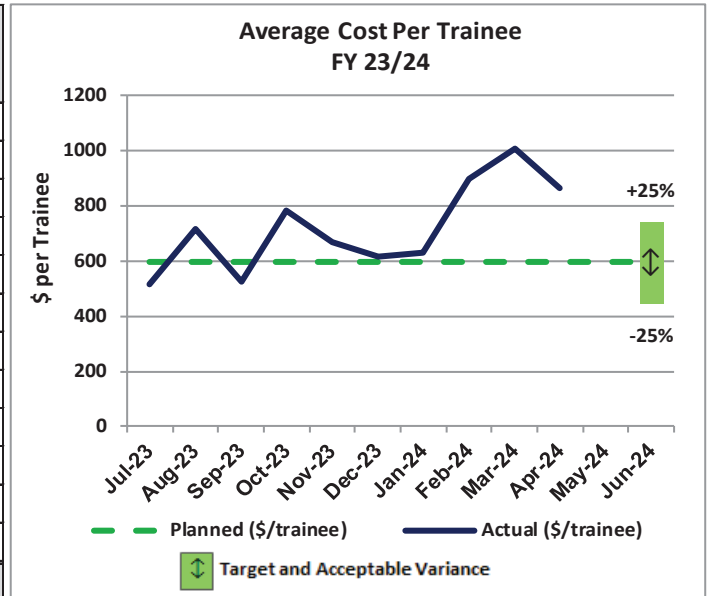
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Average cost of training for Electric Distribution Mechanic Trainee (EDMT) classification per trainee that graduates from the training program

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = \$594.9 per EDMT; Acceptable Variance = $\pm 25\%$

STATUS: Outside Acceptable Variance

FYTD as of:	Planned (\$/trainee)	Actual (\$/trainee)	Variance		Re-Estimate (If Applicable)
			\$	%	
Jul-23	594.9	513.4	-81.5	-13.7%	
Aug-23	594.9	713.6	118.7	20.0%	
Sep-23	594.9	522.9	-72.0	-12.1%	
Oct-23	594.9	780.5	185.6	31.2%	
Nov-23	594.9	669.5	74.6	12.5%	
Dec-23	594.9	617.5	22.6	3.8%	
Jan-24	594.9	628.6	33.7	5.7%	
Feb-24	594.9	895.4	300.5	50.5%	
Mar-24	594.9	1008.0	413.1	69.4%	
Apr-24	594.9	864.3	269.4	45.3%	
May-24	594.9				667.6
Jun-24	594.9				667.6
Acceptable Variance			$\pm 25\%$		



SOURCE OF DATA: Jobs X7922/X7999/X7955 (KPI # 04.01.02.10)

1. BACKGROUND / PURPOSE

- To effectively calculate a monthly cost per trainee (CPT) for an Electric Distribution Mechanic Trainee (EDMT) completing a 42-month on-the-job and classroom training program.

2. ACHIEVEMENTS / MILESTONES MET

- The past classes' average success rates are based on two calendar years as follows:
 - 2014 to 2015: 56%
 - 2016 to 2017: 59%
 - 2018 to 2019: 60%
 - 2020 to 2021: 63%
 - 2022 to 2023: 76%*

*previous January submission was incorrectly reported. Corrected figures have been updated.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- The monthly CPT calculation will vary from month to month. This is based on several factors which include the adjusted class size, dropouts, terminations, and the final number of graduates.
- The Actual CPT is lower this month as compared to March, primarily due to

decreased spending in the Classroom Trainers for EDM Trainees (X7999). Current staff vacancies along with slightly fewer classes in session at the Truesdale Training Facility decreased the total labor and allocations for Job X7999.

- The Re-Estimate of \$667.6K was calculated using the final figures of the related jobs (X7922/X7999/X7955) for the entire Fiscal Year 22/23 with the 12-month average trainee occupancy.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- The screening process is continually being reviewed to improve the quality of candidates and to reduce the dropout rate. Overhead and underground disciplines are no longer separated, and all future trainees are cross trained in both. EDM trainee candidates are now required to complete two performance tests during the initial certification interviews.

Within Acceptable Variance Outside Acceptable Variance Exceeds Target Needs Attention

LADWP RATES METRIC – *Average Cost per Electrical Mechanic Trainee (Power)*

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RESPONSIBLE MANAGER: Theodore Zeiss, Power System Safety and Training - Safety

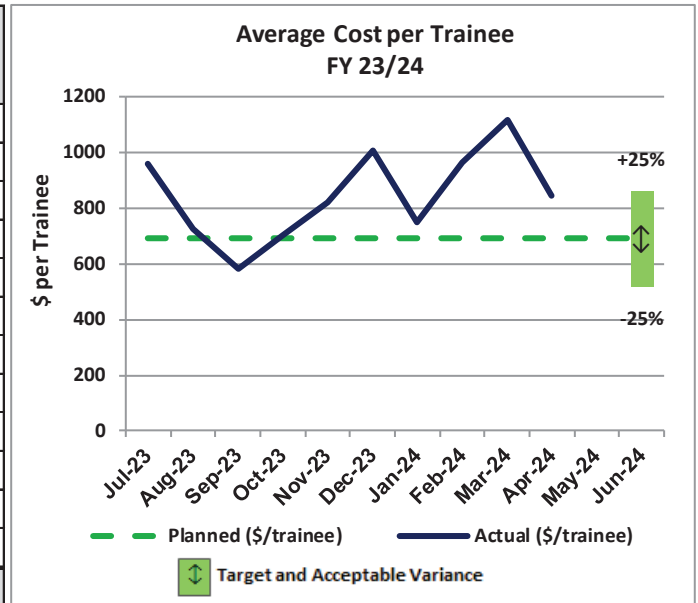
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Average cost of training for Electrical Mechanic Trainee (EMT) classification per trainee that graduates from the training program

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = \$689.70K per EMT; Acceptable Variance = $\pm 25\%$

STATUS: Within Acceptable Variance

FYTD as of:	Planned (\$/trainee)	Actual (\$/trainee)	Variance		Re-Estimate (If Applicable)
			\$	%	
Jul-23	689.7	958.5	269	39.0%	
Aug-23	689.7	725.1	35	5.1%	
Sep-23	689.7	582.0	-108	-15.6%	
Oct-23	689.7	699.0	9	1.3%	
Nov-23	689.7	822.6	133	19.3%	
Dec-23	689.7	1007.0	317	46.0%	
Jan-24	689.7	747.1	57	8.3%	
Feb-24	689.7	964.1	274	39.8%	
Mar-24	689.7	1117.5	428	62.0%	
Apr-24	689.7	844.8	155	22.5%	
May-24	689.7				743.9
Jun-24	689.7				743.9
Acceptable Variance			$\pm 25\%$		



SOURCE OF DATA: Jobs X7923/X7926/X7955 (KPI # 04.01.02.11)

1. BACKGROUND / PURPOSE

- To effectively calculate a monthly cost per trainee (CPT) for an Electrical Mechanic (EM) completing a 48-month on-the-job and classroom training program. The EM Training Program has changed from a 40-month program to a 48-month program.

2. ACHIEVEMENTS / MILESTONES MET

- The past classes' average success rates are based on two calendar years as follows:
 - 2014 to 2015: 70%
 - 2016 to 2017: 85%
 - 2018 to 2019: 89%
 - 2020 to 2021: 75%
 - 2022 to 2023: 92%

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- The monthly CPT calculation will vary from month to month. It's based on a number of factors which include the adjusted class size, dropouts, terminations, and the final number of graduates.
- The Actual CPT is lower this month as compared to March, primarily due to

decreased spending in the Classroom Trainers for EM Trainees (X7923) and Classroom Trainers for EM Trainees (X7926). Fewer classes were in session at the Truesdale Training Facility, therefore decreasing the total labor and allocations for both jobs.

- The Re-Estimate of \$743.9K was calculated using the final figures of the related jobs (X7923/X7926/X7955) for the entire Fiscal Year 22/23 with the 12-month average trainee occupancy.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- The screening process and all recruitment activities are continually being reviewed in an effort to improve the quality of candidates and to reduce the dropout rate. The Truesdale Training Center staff now works with the Personnel Department to evaluate potential new EMT candidates.

LADWP RATES METRIC – EDMT Graduates (Power)

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RESPONSIBLE MANAGER: Theodore Zeiss, Power System Safety and Training - Safety

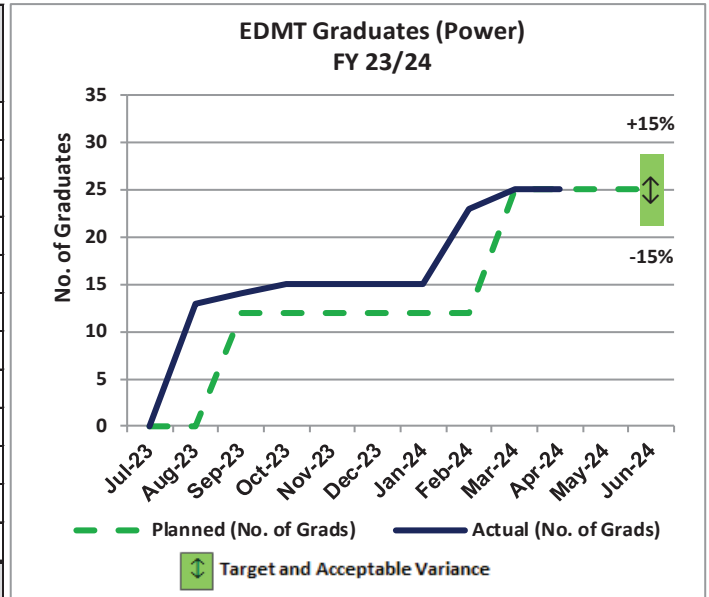
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Electric Distribution Mechanic Trainee (EDMT) Graduates Against Training Plan

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = 25 graduates; Acceptable Variance = $\pm 15\%$

STATUS: Within Acceptable Variance

FYTD as of:	Planned (No. of Grads)	Actual (No. of Grads)	Variance		Re-Estimate (If Applicable)
			No.	%	
Jul-23	0.0	0.0	0.0	0.0%	
Aug-23	0.0	13.0	13.0	100.0%	
Sep-23	12.0	14.0	2.0	16.7%	
Oct-23	12.0	15.0	3.0	25.0%	
Nov-23	12.0	15.0	3.0	25.0%	
Dec-23	12.0	15.0	3.0	25.0%	
Jan-24	12.0	15.0	3.0	25.0%	
Feb-24	12.0	23.0	11.0	91.7%	
Mar-24	25.0	25.0	0.0	0.0%	
Apr-24	25.0	25.0	0.0	0.0%	
May-24	25.0				26
Jun-24	25.0				26
Acceptable Variance			$\pm 15\%$		



SOURCE OF DATA: Monthly updates provided by the training superintendents. (KPI # 04.01.02.08)

1. BACKGROUND / PURPOSE

- Power System Safety and Training (PSST) provides LADWP with an in-house Training Program designed to produce highly qualified Electric Distribution Mechanics (EDMs) to fill the needs of the Power Transmission and Distribution Division. Retirements, promotions, and expected growth in this classification are the basis for current hiring practices and training plans.

2. ACHIEVEMENTS / MILESTONES MET

- In the FY 22/23, a total of 30 EDMTs graduated – yielding a graduation rate of 77%.
- The past classes' average success rates are based on two calendar years, as follows:
 - 2014 to 2015: 56%
 - 2016 to 2017: 59%
 - 2018 to 2019: 60%
 - 2020 to 2021: 63%
 - 2022 to 2023: 76%*

*previous January submission was incorrectly reported. Corrected figures have been updated.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- There are currently eight active trainee classes in the Training Program. One more trainee from class 66 is expected to graduate this fiscal year – yielding a total graduation count of 26 for this fiscal year.
- Due to the modified screening process, there has been an improvement in the quality of candidates who have entered the Training Program, yielding a higher graduation rate.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- The screening process is continually being reviewed to improve the quality of candidates and to reduce the dropout rate. Overhead and underground disciplines are no longer separated, and all future trainees are cross-trained in both. EDMT candidates are now required to complete two performance tests during the initial certification interviews.

LADWP RATES METRIC – EMT Graduates (Power)

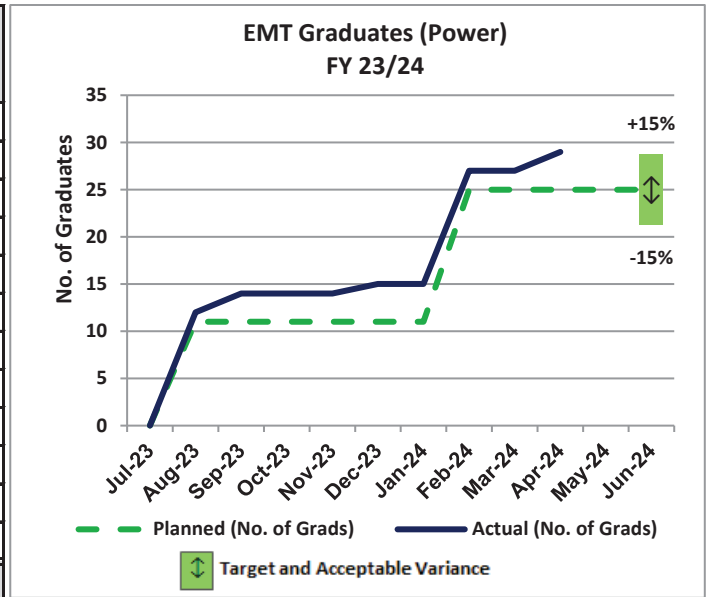
RESPONSIBLE MANAGER: Theodore Zeiss, Power System Safety and Training - Safety **REPORTING PERIOD:** April 2024

DEFINITION OF RATES METRIC: Electrical Mechanic Trainee (EMT) Graduates Against Training Plan

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = 25 graduates; Acceptable Variance = $\pm 15\%$

STATUS: Exceeds Target

FYTD as of:	Planned (No. of Grads)	Actual (No. of Grads)	Variance		Re-Estimate (If Applicable)
			No.	%	
Jul-23	0	0	0	0.0%	
Aug-23	11	12*	1	9.1%	
Sep-23	11	14*	3	27.3%	
Oct-23	11	14*	3	27.3%	
Nov-23	11	14	3	27.3%	
Dec-23	11	15	4	36.4%	
Jan-24	11	15	4	36.4%	
Feb-24	25	27	2	8.0%	
Mar-24	25	27	2	8.0%	
Apr-24	25	29	4	16.0%	
May-24	25				30
Jun-24	25				30
Acceptable Variance			$\pm 15\%$		



SOURCE OF DATA: Monthly updates provided by the training superintendents. (KPI # 04.01.02.09)*

Previous October 2023 submission was incorrectly reported. Corrected figures for Aug-Oct have been updated

1. BACKGROUND / PURPOSE

- Power System Safety and Training (PSST) provides LADWP with an in-house Training Program designed to produce highly qualified Electrical Mechanics (EMs) to fill the needs of the Power Construction and Maintenance (PCM) Division. Retirements, promotions, and expected growth in this classification are the basis for hiring practices and training plans. To offset the hiring deficiencies of previous years, PSST follows an aggressive hiring schedule to add approximately 40 to 60 EMTs per year until 2024, and to streamline the Training Program to meet the goals of the Power System and PCM.

2. ACHIEVEMENTS / MILESTONES MET

- In the FY 22/23, a total of 54 EMTs graduated, yielding a graduation rate of 93%.
- The past classes average success rates are based on two calendar years as follows:
 - 2014 to 2015: 70%
 - 2016 to 2017: 85%
 - 2018 to 2019: 89%
 - 2020 to 2021: 75%
 - 2022 to 2023: 92%

3. PERFORMANCE / VARIANCE ANALYSIS & END PROJECTION

- There are currently 13 active trainee classes in the Training Program. Two more trainees graduates from Class 24A. One more trainee is expected to graduate this fiscal year, yielding a total graduation count of 30.
- Due to the modified screening process, there has been an improvement in the quality of candidates who have entered the Training Program, yielding a higher graduation rate.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- There is an aggressive hiring plan to add approximately 40 to 60 EMTs per year until 2024 to meet PCM's Integrated Human Resource Plan staffing goals. Restructuring of the Training Program and an increase in training staff has enabled PSST to move forward with this hiring plan while still maintaining the quality and integrity of the program.

LADWP RATES METRIC – POWER DISTRIBUTION INFRASTRUCTURE POSITIONS (POWER)

RESPONSIBLE MANAGER: Nazir Fazli

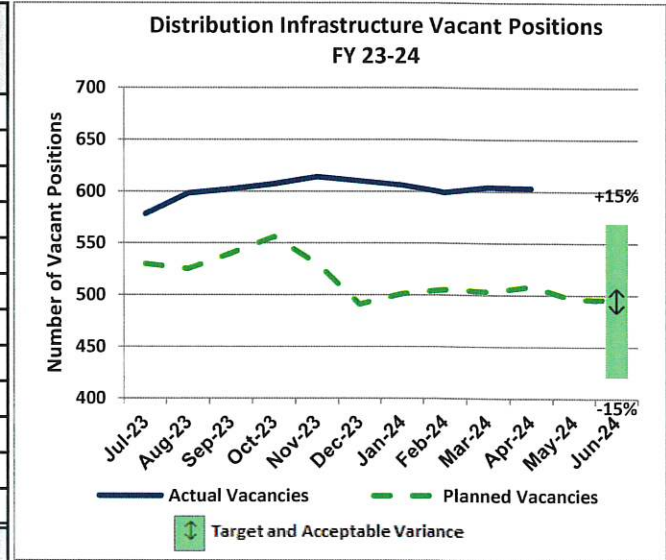
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Number of Full Time Equivalents (FTEs) hired and dedicated to Power Distribution field positions as compared to plan.

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Vacant budgeted Power Distribution Infrastructure field positions at 495 or less by the end of the fiscal year/, $\pm 15\%$

STATUS: **Outside Acceptable Variance**

FYTD as of:	Planned Vacancies	Actual Vacancies	Variance		Re-Estimate (If Applicable)
			# Vacancies	%	
Jul-23	530	578	48	9.1%	
Aug-23	525	598	73	13.9%	
Sep-23	540	602	62	11.5%	
Oct-23	556	607	51	9.2%	
Nov-23	530	614	84	15.8%	
Dec-23	491	610	119	24.2%	
Jan-24	501	606	105	21.0%	
Feb-24	505	599	94	18.6%	
Mar-24	503	604	101	20.1%	
Apr-24	508	603	95	18.7%	
May-24	496				
Jun-24	495				
Acceptable Variance			$\pm 15\%$		



SOURCE OF DATA: Hiring Plan/Annual Personnel Resolution (KPI # 08.05.01.01)

1. BACKGROUND / PURPOSE

- Power Distribution Infrastructure Field positions are necessary to meet Power System Reliability and other infrastructure goals.
- Currently, Power Distribution Infrastructure Field positions are assigned to various divisions, including Power Transmission & Distribution (PTD), Power Construction & Maintenance (PCM), and Power System Integrated Support Services (PSISS).
- The target is to reduce vacant budgeted Power Distribution Infrastructure Field positions to 495 or less by the end of the fiscal year.

2. ACHIEVEMENTS/MILESTONES MET

- During the month of April, there were 603 vacancies, which was 95 or 18.7% over planned vacancies.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- The current rate of hiring budgeted positions is over the acceptable variance.
- The vacancy overrun is due to the following:
 - Majority of vacancies are currently being held for employees on emergency appointments, special assignments (LOA's), successful completion of probation, temporary (temp) assignments (Temp 1-5 and Article 33), and trainees on substitute positions.
 - Various job classes require completion of a LADWP training program to be a qualified candidate. This inhibits our ability to promptly fill these positions.
 - Attrition in Electric Distribution Mechanic (EDM), Electrical Craft Helper (ECH), and Electrical Mechanic (EM) positions.

- The actual vacancies for Power System decreased from 604 in March 2024 to 603 in April 2024 due to the following position movements:

	Actual Vacancies in March 2024	Actual Vacancies in April 2024	Position Movements
PTD	441	445	Vacancies increased by four (4) due to the following: - (1) retirement - (1) resignation - (1) change in classification from an Electrical Craft Helper to an Electric Station Operator, - (1) transfer of an Electrical Craft Helper to another division.
PCM/PSISS	163	158	Vacancy decreased by one (5) due to the following: - Multiple job class fillings through emergency appointments and bid plans
Power System	604	603	

4. MITIGATION PLAN AND/OR RECOMMENDATIONS

- PTD, PCM, and PSISS will continue to fill all vacant Power Distribution Infrastructure Field positions.

LADWP RATES METRIC – *Total Renewable Portfolio Standard (Power)*

RESPONSIBLE MANAGER: Steven Pruett, Fuel and Purchased Power *SP*

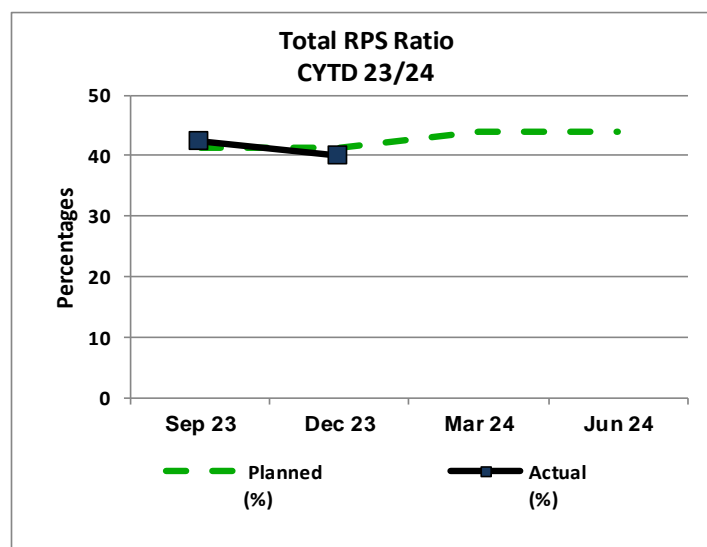
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: GWH from RPS Resource/GWH of Retail Sales (State Requirement), In Percentages (%)

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = 41.25% for calendar year 2023 and 44.00% for calendar year 2024; Acceptable Variance = $\pm 3\%$

STATUS: Within Acceptable Variance

CYTD as of:	Planned (%)	Actual (%)	Variance	Re-Estimate (If Applicable)
			%	
Sep 23	41.25	42.5	1.3%	
Dec 23	41.25	40.1	-1.1%	
Mar 24*	44.00			
Jun 24	44.00			
Acceptable Variance			$\pm 3\%$	
* Actuals for the third quarter of FY 23/24 will be available in June 2024				



SOURCE OF DATA: Wholesale Energy Resource Management Group (KPI # 05.01.01.01)

1. BACKGROUND / PURPOSE

- The Los Angeles Department of Water and Power (LADWP) is on target to meet the 50% Renewable Portfolio Standard (RPS) ratio requirement in 2030, as required by the California Energy Commission (CEC).
- RPS portfolio includes Wind, Solar, Geothermal, Biomass, and Small Hydro.
- To comply with the CEC, RPS percentages are calculated over four calendar years (2021-2024), not fiscal year or fiscal year-to-date basis. The compliance period quantifies the RPS-eligibility of a publicly owned utility.
- There are other RPS-related Rates Metric Reports for Wind, Solar, and Geothermal.

2. ACHIEVEMENTS / MILESTONES MET

- No updates.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- The original 2023 calendar year submittal was targeted at 41.3%. The current target of 41.25% reflects a rounding error on the board-approved package and cannot be modified.
- Actuals for the third quarter of FY 23/24 will be available in June 2024.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- Uncertainty in the performance of renewable resources, evolving accounting methods, changing regulations, and transmission disruptions are risk factors that can impact the performance of this metric.
- To meet the RPS goals and avoid the risk of non-compliance with the CEC's RPS requirement, LADWP uses targets (forecasts) above the CEC's RPS ratio requirement. This will provide a hedge against the above-mentioned risk factors.
- Excess Renewable Energy Credits (RECs) from one compliance period can be rolled over into the next compliance period.

Within Acceptable Variance



Outside Acceptable Variance



Exceeds Target



Needs Attention





LADWP RATES METRIC – *Total RPS Cost vs. Plan, By Wind (Power)*

RESPONSIBLE MANAGER: Marlon Santa Cruz, FPP External Energy Resources

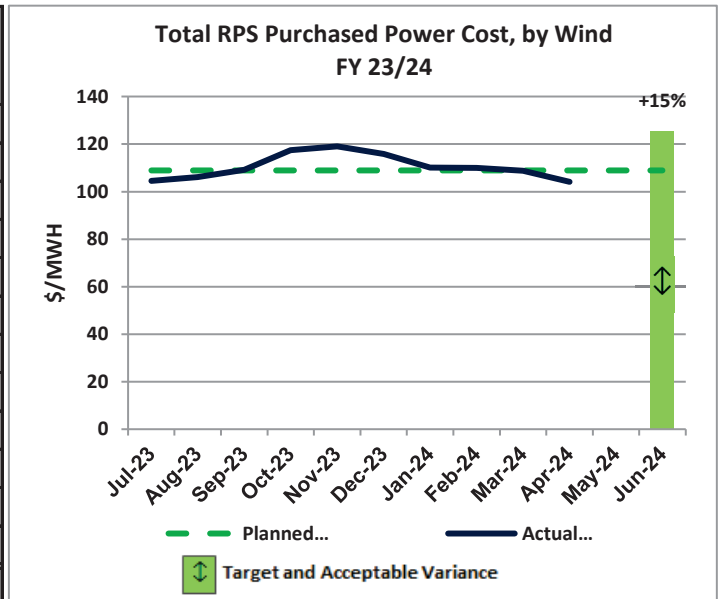
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Total RPS Purchased Power Cost (\$/MWH), Per Power Purchase Agreements (PPA), As Compared To Plan, By Wind

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = \$108.88/MWH; Acceptable Variance = + 15%

STATUS: Within Acceptable Variance

FYTD as of:	Planned (\$/MWH)	Actual (\$/MWH)	Variance		Re-Estimate
			\$	%	
Jul-23	108.88	104.60	-4.28	-3.9%	
Aug-23	108.88	106.17	-2.71	-2.5%	
Sep-23	108.88	109.22	0.34	0.3%	
Oct-23	108.88	117.46	8.58	7.9%	
Nov-23	108.88	119.10	10.22	9.4%	
Dec-23	108.88	115.91	7.03	6.5%	
Jan-24	108.88	110.08	1.20	1.1%	
Feb-24	108.88	110.00	1.12	1.0%	
Mar-24	108.88	108.83	-0.05	0.0%	
Apr-24	108.88	104.14	-4.74	-4.4%	
May-24	108.88				
Jun-24	108.88				
Acceptable Variance			+ 15%		



SOURCE OF DATA: Monthly energy invoice per PPA (KPI # 01.03.01.06)

1. BACKGROUND / PURPOSE

- PPA = Power Purchase Agreement. The energy cost is calculated at plant's "bus-bar", in dollars per mega-watt-hour (\$/MWH), per executed PPA.
- The aggregated energy costs are the weighted average of seven wind PPAs for which the \$/MWH cost is determined by the seven individual PPAs, but the energy outputs are a function of the individual project's capacity and wind resource availability, which is variable.
- Wind energy supports meeting Renewable Portfolio Standard (RPS) goals. Wind energy is currently estimated to represent 33.8% of the Calendar Year 2023 RPS portfolio.

2. ACHIEVEMENTS / MILESTONES MET

- No updates.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- Actual is within acceptable variance.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- No recommendations at this time.

AP

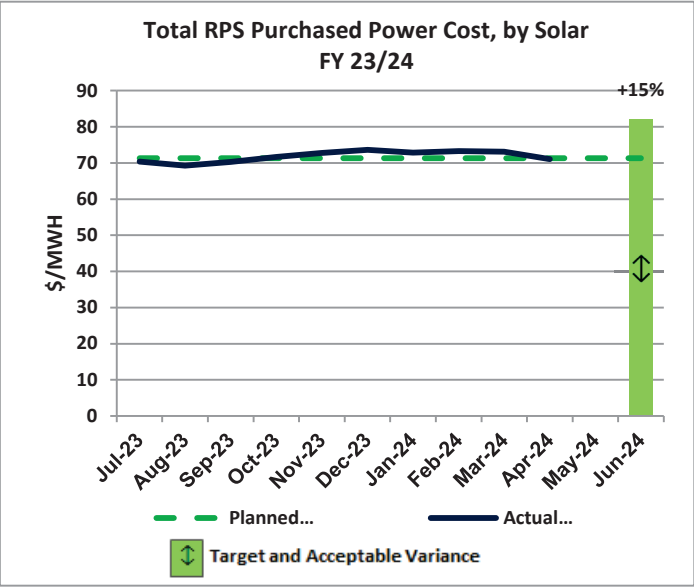
LADWP RATES METRIC – Total RPS Cost vs. Plan, By Solar (Power)

RESPONSIBLE MANAGER: Marlon Santa Cruz, FPP External Energy Resources REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Total RPS Solar Purchased Power Cost (\$/MWH) as Compared To Plan

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = \$71.29/MWH; Acceptable Variance = + 15%

FYTD as of:	Planned (\$/MWH)	Actual (\$/MWH)	Variance		Re-Estimate
			\$	%	
Jul-23	71.29	70.39	-0.9	-1.3%	
Aug-23	71.29	69.22	-2.07	-2.9%	
Sep-23	71.29	70.32	-0.97	-1.4%	
Oct-23	71.29	71.63	0.34	0.5%	
Nov-23	71.29	72.78	1.49	2.1%	
Dec-23	71.29	73.65	2.36	3.3%	
Jan-24	71.29	72.90	1.61	2.3%	
Feb-24	71.29	73.32	2.03	2.8%	
Mar-24	71.29	73.09	1.8	2.5%	
Apr-24	71.29	71.02	-0.27	-0.4%	
May-24	71.29				
Jun-24	71.29				
Acceptable Variance			+ 15%		



SOURCE OF DATA: Monthly energy invoice per PPA (KPI # 01.03.01.17)

1. BACKGROUND / PURPOSE

- PPA = Power Purchase Agreement. The energy cost is calculated at plant's "bus-bar", in dollars per mega-watt-hour (\$/MWH), per executed PPA.
- The aggregated energy costs are the weighted average of the solar PPAs for which the \$/MWH cost is fixed by individual PPAs and weighted by actual generation.
- Solar energy supports meeting Renewable Portfolio Standard (RPS) goals. Solar energy is currently estimated to represent 32.4% of the Calendar Year 2023 RPS portfolio.

2. ACHIEVEMENTS / MILESTONES MET

- No updates.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- Actual is within acceptable variance.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- No recommendations at this time.

AP

LADWP RATES METRIC – Total RPS Cost vs. Plan, By Geothermal (Power)

RESPONSIBLE MANAGER: Marlon Santa Cruz, FPP External Energy Resources

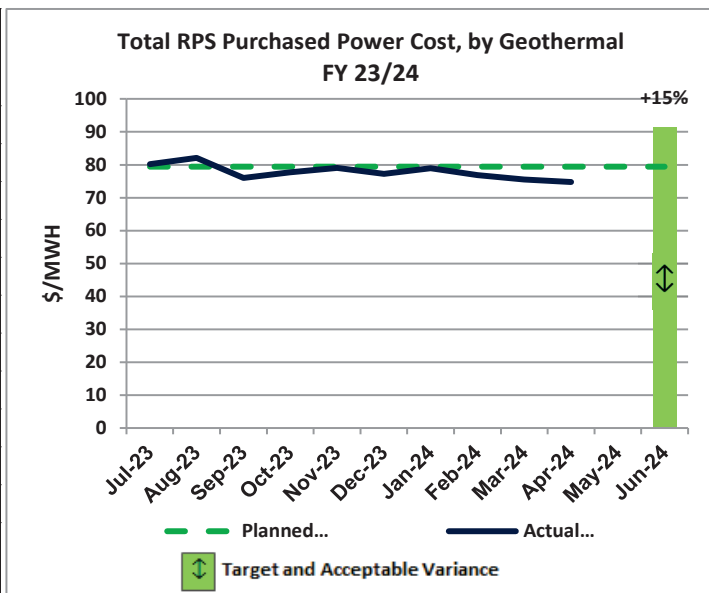
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Total RPS Purchased Power Cost (\$/MWH), Per Power Purchase Agreements (PPA), As Compared To Plan, By Geothermal

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = \$79.41/MWH; Acceptable Variance = + 15%

STATUS: **Within Acceptable Variance**

FYTD as of:	Planned (\$/MWH)	Actual (\$/MWH)	Variance		Re-Estimate
			\$	%	
Jul-23	79.41	80.21	0.80	1.0%	
Aug-23	79.41	82.10	2.69	3.4%	
Sep-23	79.41	76.05	-3.36	-4.2%	
Oct-23	79.41	77.69	-1.72	-2.2%	
Nov-23	79.41	79.06	-0.35	-0.4%	
Dec-23	79.41	77.22	-2.19	-2.8%	
Jan-24	79.41	78.97	-0.44	-0.6%	
Feb-24	79.41	76.90	-2.51	-3.2%	
Mar-24	79.41	75.53	-3.88	-4.9%	
Apr-24	79.41	74.80	-4.61	-5.8%	
May-24	79.41				
Jun-24	79.41				
Acceptable Variance			+ 15%		



SOURCE OF DATA: Monthly energy invoice per PPA (KPI # 01.03.01.18)

1. BACKGROUND / PURPOSE

- PPA = Power Purchase Agreement. The energy cost is calculated at plant's "bus-bar", in dollars per mega-watt-hour (\$/MWH), per executed PPA.
- The aggregated energy costs are the weighted average of six geothermal PPAs for which the \$/MWH cost is fixed for firm and imbalance energy. However, the energy outputs are a function of the individual project's capacity and geothermal resource availability, which is variable.
- Geothermal energy supports meeting Renewable Portfolio Standard (RPS) goals. Geothermal energy currently represents 20.4% of the Calendar Year 2023 RPS portfolio.

2. ACHIEVEMENTS / MILESTONES MET

- No updates.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- Actual is within acceptable variance.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- No recommendations at this time.

AP

LADWP RATES METRIC – Last Signed PPA (\$/MWH) by Technology, Wind (Power)

RESPONSIBLE MANAGER: Marlon Santa Cruz, FPP External Energy Resources

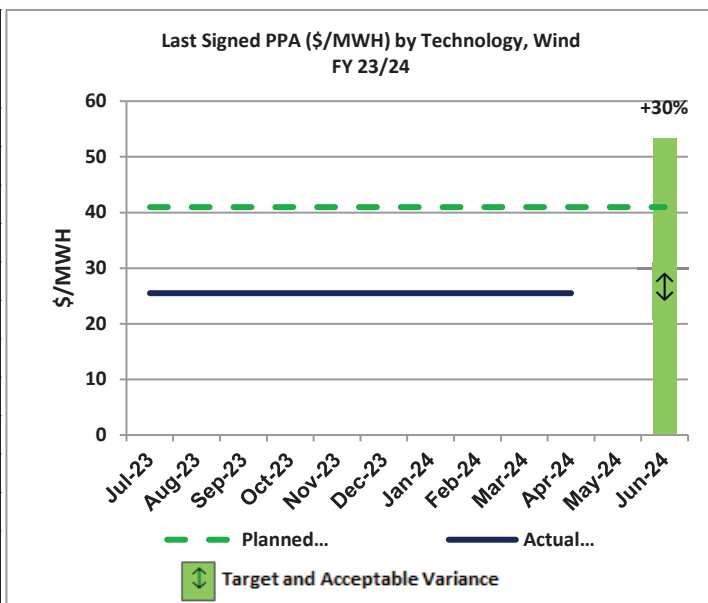
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Last Signed PPA (\$/MWH) by Technology, Wind

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = \$41.00/MWH; Acceptable Variance = + 30%

STATUS: **Within Acceptable Variance**

FYTD as of:	Planned (\$/MWH)	Actual (\$/MWH)	Variance		Re-Estimate
			\$	%	
Jul-23	41.00	25.50	-15.50	-37.8%	
Aug-23	41.00	25.50	-15.50	-37.8%	
Sep-23	41.00	25.50	-15.50	-37.8%	
Oct-23	41.00	25.50	-15.50	-37.8%	
Nov-23	41.00	25.50	-15.50	-37.8%	
Dec-23	41.00	25.50	-15.50	-37.8%	
Jan-24	41.00	25.50	-15.50	-37.8%	
Feb-24	41.00	25.50	-15.50	-37.8%	
Mar-24	41.00	25.50	-15.50	-37.8%	
Apr-24	41.00	25.50	-15.50	-37.8%	
May-24	41.00				
Jun-24	41.00				
Acceptable Variance			+ 30%		



SOURCE OF DATA: Executed Power Purchase Agreement (KPI # 01.03.01.22)

1. BACKGROUND / PURPOSE

- PPA = Power Purchase Agreement. The \$43.00 energy cost is a bundled rate for energy and transmission and is accounted for at the Navajo 500kV switchyard, in dollars per mega-watt-hour (\$/MWh).
- The reported actual value of \$25.50 is a final calculated contract cost after removing an estimated transmission cost amount of \$17.50.
- The planned target of \$41.00 is based on CPUC's 2022 Padilla Report, which reflects current trends and does not include transmission costs.

2. ACHIEVEMENTS / MILESTONES MET

- The last signed PPA is Red Cloud Wind which was executed on 11/02/2020.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- Actual is within acceptable variance.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- No recommendations at this time.

AP

Within Acceptable Variance

Outside Acceptable Variance

Exceeds Target

Needs Attention

LADWP RATES METRIC – Last Signed PPA (\$/MWH) by Technology, Solar (Power)

RESPONSIBLE MANAGER: Marlon Santa Cruz, FPP External Energy Resources

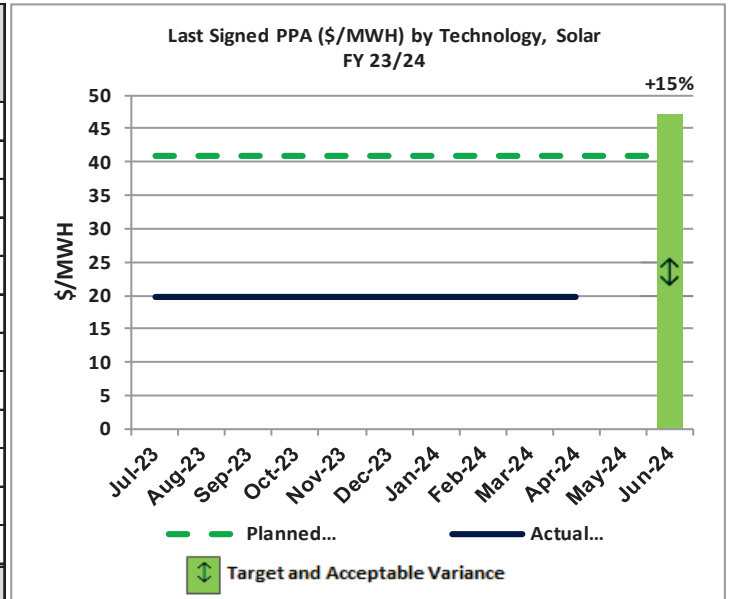
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Last Signed PPA (\$/MWH) by Technology, Solar

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = \$41.00/MWH; Acceptable Variance = + 15%

STATUS: **Within Acceptable Variance**

FYTD as of:	Planned (\$/MWH)	Actual (\$/MWH)	Variance		Re-Estimate
			\$	%	
Jul-23	41.00	19.67	-21.33	-52.0%	
Aug-23	41.00	19.67	-21.33	-52.0%	
Sep-23	41.00	19.67	-21.33	-52.0%	
Oct-23	41.00	19.67	-21.33	-52.0%	
Nov-23	41.00	19.67	-21.33	-52.0%	
Dec-23	41.00	19.67	-21.33	-52.0%	
Jan-24	41.00	19.67	-21.33	-52.0%	
Feb-24	41.00	19.67	-21.33	-52.0%	
Mar-24	41.00	19.67	-21.33	-52.0%	
Apr-24	41.00	19.67	-21.33	-52.0%	
May-24	41.00				
Jun-24	41.00				
Acceptable Variance			+ 15%		



SOURCE OF DATA: Executed Power Purchase Agreement (KPI # 01.03.01.23)

1. BACKGROUND / PURPOSE

- PPA = Power Purchase Agreement. The \$39.62 energy cost a bundled cost for solar and storage and is accounted for at the plant's "bus-bar", in dollars per mega-watt-hour (\$/MWH).
- The reported actual of \$19.67 is a final calculated contract cost after removing the energy storage cost from the total PPA price.
- The planned target of \$41.00 is based on CPUC's 2022 Padilla Report, which reflects current market trends and does not include the cost of the energy storage adder.

2. ACHIEVEMENTS / MILESTONES MET

- The last signed solar PPA included battery storage.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- Actual is within acceptable variance.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- No recommendations at this time.

AP

LADWP RATES METRIC – Last Signed PPA (\$/MWH) by Technology, Geothermal (Power)

RESPONSIBLE MANAGER: Marlon Santa Cruz, FPP External Energy Resources

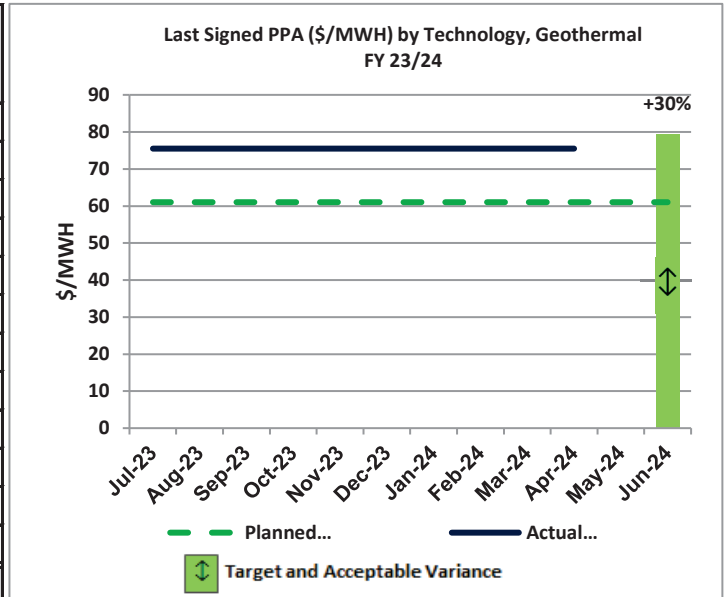
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Last Signed PPA (\$/MWH) by Technology, Geothermal

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = \$61.00/MWH; Acceptable Variance = + 30%

STATUS: **Within Acceptable Variance**

FYTD as of:	Planned (\$/MWH)	Actual (\$/MWH)	Variance		Re-Estimate
			\$	%	
Jul-23	61.00	75.50	14.50	23.8%	
Aug-23	61.00	75.50	14.50	23.8%	
Sep-23	61.00	75.50	14.50	23.8%	
Oct-23	61.00	75.50	14.50	23.8%	
Nov-23	61.00	75.50	14.50	23.8%	
Dec-23	61.00	75.50	14.50	23.8%	
Jan-24	61.00	75.50	14.50	23.8%	
Feb-24	61.00	75.50	14.50	23.8%	
Mar-24	61.00	75.50	14.50	23.8%	
Apr-24	61.00	75.50	14.50	23.8%	
May-24	61.00				
Jun-24	61.00				
Acceptable Variance			+ 30%		



SOURCE OF DATA: Executed Power Purchase Agreement (KPI # 01.03.01.24)

1. BACKGROUND / PURPOSE

- PPA = Power Purchase Agreement. The energy cost is calculated at plant's "bus-bar", in dollars per mega-watt-hour (\$/MWh), per executed PPA.
- The current actual is based off the last signed geothermal PPA which was executed in June 2017 for \$75.50/MWh.
- The planned target of \$61.00 is based on CPUC's 2022 Padilla Report, which reflects current market trends.

2. ACHIEVEMENTS / MILESTONES MET

- No updates.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- Actual is above the target due to current market trends.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- No recommendations at this time.

AP

LADWP RATES METRIC – Power System Reliability Program

Generation, Capital (Power)

Jose Gutierrez

RESPONSIBLE MANAGER: Jose Gutierrez, Power Supply Operations

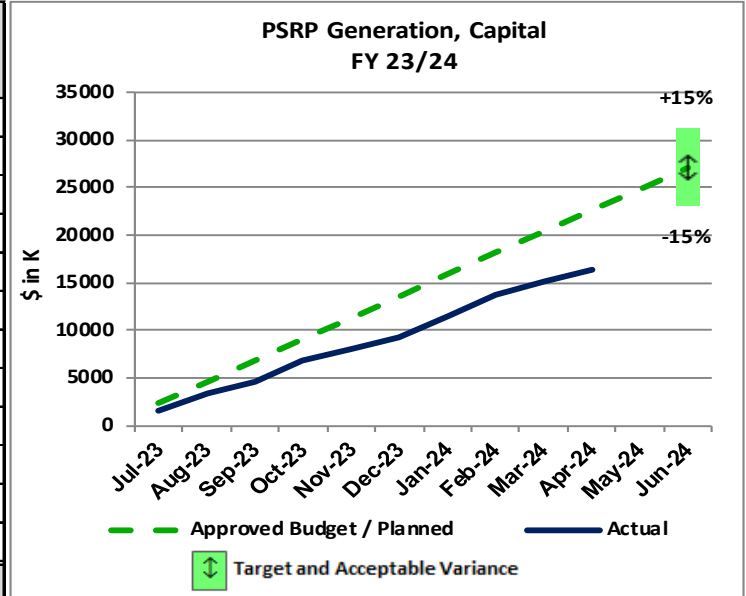
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Board Approved Annual Budget vs. Actual Expenditures For PSRP Generation, Capital

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = \$27,162 K; Acceptable Variance = ± 15%

STATUS: **Outside Acceptable Variance**

FYTD as of:	Approved Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate (If Applicable)
			\$ in K	%	
Jul-23	2,263.0	1,476.0	-787	-34.8%	
Aug-23	4,526.5	3,286.0	-1241	-27.4%	
Sep-23	6,790.1	4,653.0	-2137	-31.5%	
Oct-23	9,053.6	6,752.0	-2302	-25.4%	
Nov-23	11,317.2	7,971.0	-3346	-29.6%	
Dec-23	13,580.7	9,220.0	-4361	-32.1%	
Jan-24	15,844.3	11,541.0	-4303	-27.2%	
Feb-24	18,107.8	13,689.0	-4419	-24.4%	
Mar-24	20,371.4	15,081.0	-5290	-26.0%	
Apr-24	22,634.9	16,233.0	-6402	-28.3%	
May-24	24,898.5				
Jun-24	27,162.0				18,700.0
Acceptable Variance			± 15%		



SOURCE OF DATA: FI 21186 (KPI # 01.03.01.08)

1. BACKGROUND / PURPOSE

- This metric measures the planned vs. actual expenditures for Generation capital activities, including major unit overhauls, transformer replacements, and replacement of a 6MW hydro power plant. These activities will ensure safety and maximize reliability, availability, efficiency, and extend the life of generating assets.

2. ACHIEVEMENTS / MILESTONES MET

Unit 5 Major Overhaul is charged to Job B2231 under FI 21186 and the major milestones completed are:

- Temporary repairs were made on the turbine shut off valve to allow for on-line electrical testing.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- The underspending is due to a high budget projection. The budget has been marked up to reflect more accurate expenditures. The year-end projection is \$18.7 million.

Total Project Approved From Inception To FY32/33	610,858.3
Project Approved To Date	250,946.3
Project Actuals To Date	150,922.8

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- The mitigation plan is to update the budget during budget mark-up season to reflect more accurate expenditures.

LADWP RATES METRIC – PSRP Transmission, Capital (Power)

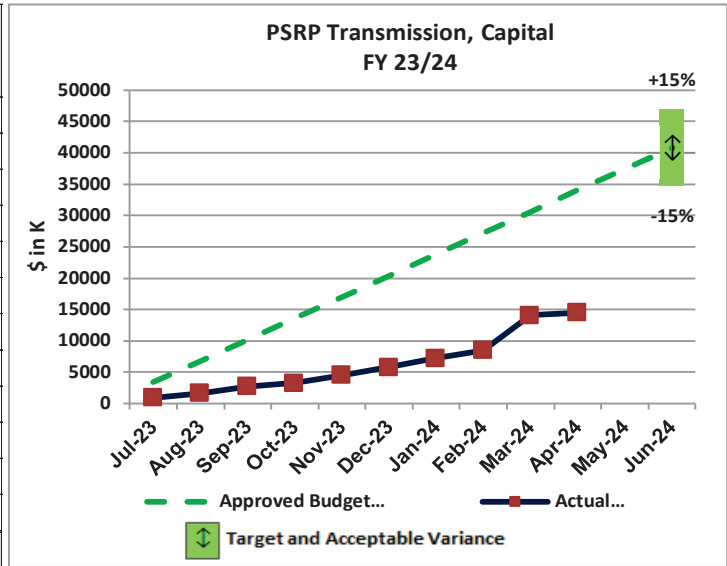
RESPONSIBLE MANAGER: Adriana Perez *Adriana Perez* 2024.05.30 14:19:08
Power System Engineering Division -07'00'

REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Board Approved Annual Budget vs. Actual Expenditures for PSRP Transmission, Capital
TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = \$40,832K; Acceptable Variance = $\pm 15\%$

STATUS: **Outside Acceptable Variance**

FYTD as of:	Approved Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate
			\$ in K	%	
Jul-23	3,402.7	936.0	(2,466.7)	-72.5%	
Aug-23	6,805.3	1,649.0	(5,156.3)	-75.8%	
Sep-23	10,208.0	2,745.0	(7,463.0)	-73.1%	
Oct-23	13,610.7	3,303.0	(10,307.7)	-75.7%	
Nov-23	17,013.3	4,507.0	(12,506.3)	-73.5%	
Dec-23	20,416.0	5,796.0	(14,620.0)	-71.6%	
Jan-24	23,818.7	7,253.0	(16,565.7)	-69.5%	
Feb-24	27,221.3	8,471.0	(18,750.3)	-68.9%	
Mar-24	30,624.0	14,083.0	(16,541.0)	-54.0%	
Apr-24	34,026.7	14,485.0	(19,541.7)	-57.4%	
May-24	37,429.3				
Jun-24	40,832.0				
Acceptable Variance			$\pm 15\%$		



SOURCE OF DATA: FI 21212 (KPI # 01.03.01.10).

1. BACKGROUND / PURPOSE

- Expenditures for various Power System Reliability Program (PSRP) transmission capital projects, which includes overhead and underground transmission projects, annual improvements, and various transmission projects under FI 21212.

2. ACHIEVEMENTS / MILESTONES

- RS-X Underground Transmission project (Job O1406) is complete. Project closeout is in progress.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- Generally, construction of large transmission projects that require an outage for an extended period of time are planned for the fall and winter months of the year. Therefore, the majority of the transmission budget expenditures occur during the fall and winter.
- The RS-X Underground Transmission Project (O1406) has a total budget of about \$10.5M for this fiscal year and is on track with its YTD budget. The entire budget is expected to be spent before the end of the FY.
- One job with a total budget of about \$4M is currently underrun by about \$1.6M due to project expenditures not being linear. The entire budget is expected to be spent before the end of the FY.
- Two jobs with a combined total budget of about \$6M are currently underrun by about \$4.3M. The

majority of this maintenance work will now be delayed to FY 24/25 due to environmental permitting issues.

- One job with a total budget of \$4.5M is currently underrun by about \$3.6M because this job is scheduled to begin construction in June 2024. The entire budget is expected to be spent before the end of the FY.
- Six jobs with a total budget of \$5.7M are underrun by \$4.7M because they are completed jobs with no additional expenditures anticipated for this FY. Job managers are working with the budget office to have these jobs closed out before the next FY.
- Two jobs (C5208 and O9810) are in progress to be re-estimated for this FY due to construction schedule changes.

Total Project Approved From Inception to FY32/33	2,182.5M
Project Approved to Date	1,359.6M
Project Actuals to Date	1,222.0M

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- Continue to support progress on these jobs according to their respective milestone schedules.

LADWP RATES METRIC – PSRP Transmission, O&M (Power)

RESPONSIBLE MANAGER: Lucien Patenaude, Power Transmission and Distribution

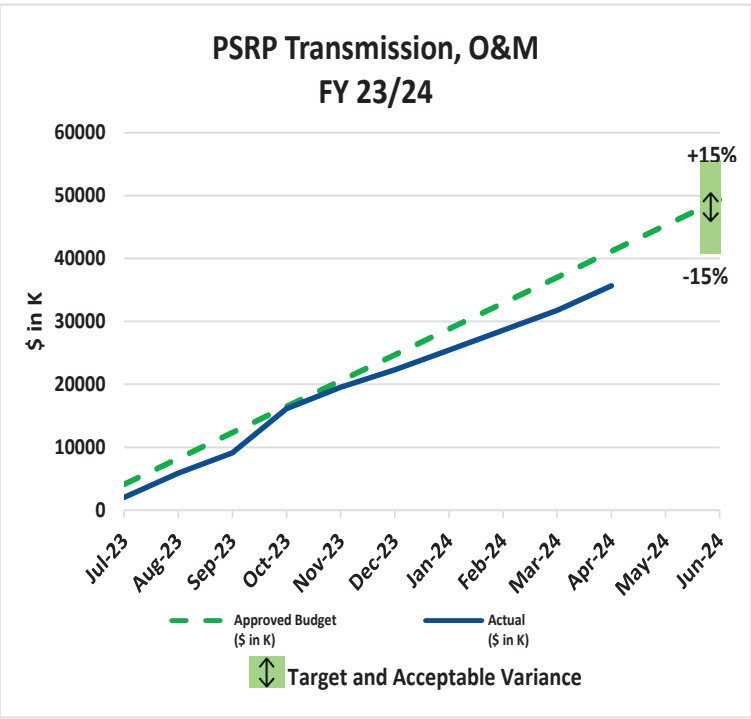
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Board Approved Annual Budget vs. Actual Expenditures for PSRP Transmission, O&M

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = 49,389K; Acceptable Variance = ± 15%

STATUS: Within Acceptable Variance

FYTD as of:	Approved Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate (If Applicable)
			\$ in K	%	
Jul-23	4,116.0	2,058.0	-2058.0	-50.0%	
Aug-23	8,232.0	5,898.0	-2334.0	-28.4%	
Sep-23	12,347.0	9,095.0	-3252.0	-26.3%	
Oct-23	16,463.0	16,123.0	-340.0	-2.1%	
Nov-23	20,579.0	19,546.0	-1033.0	-5.0%	
Dec-23	24,695.0	22,332.0	-2363.0	-9.6%	
Jan-24	28,810.0	25,452.0	-3358.0	-11.7%	
Feb-24	32,926.0	28,632.0	-4294.0	-13.0%	
Mar-24	37,042.0	31,770.0	-5272.0	-14.2%	
Apr-24	41,157.0	35,705.0	-5452.0	-13.2%	
May-24	45,273.0				
Jun-24	49,389.0				
Acceptable Variance			±	15%	



SOURCE OF DATA: FI 301-3132 (KPI # 01.03.01.11)

1. BACKGROUND / PURPOSE

- To maintain facilities generally consisting of overhead and underground high voltage electric circuitry used to transport electricity in bulk quantities from generation facilities to distribution facilities over long distances for system reliability. Power Transmission & Distribution (PTD) operates and maintains overhead transmission lines extending over 6,400 circuit miles throughout the Western United States and another 120 miles of underground transmission in the Los Angeles area.

2. ACHIEVEMENTS / MILESTONES MET

- Power System Reliability Program (PSRP) aids in the hardening and replacement of critical infrastructure.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- The KPI is within the 15% threshold set for its goal.

- The underrun is due to charges and contributions from Jointly Owned facilities being made and reconciled in Job B1275 for insurance invoices. This accounts for a majority of the underrun.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- PTD management will monitor this FI and address any variations.
- Cost expenditures should align with the budget by the end of the fiscal year.

LADWP RATES METRIC – PSRP Substation, Capital (Power)

RESPONSIBLE MANAGER: Vincent Zabukovec
Power Engineering Division

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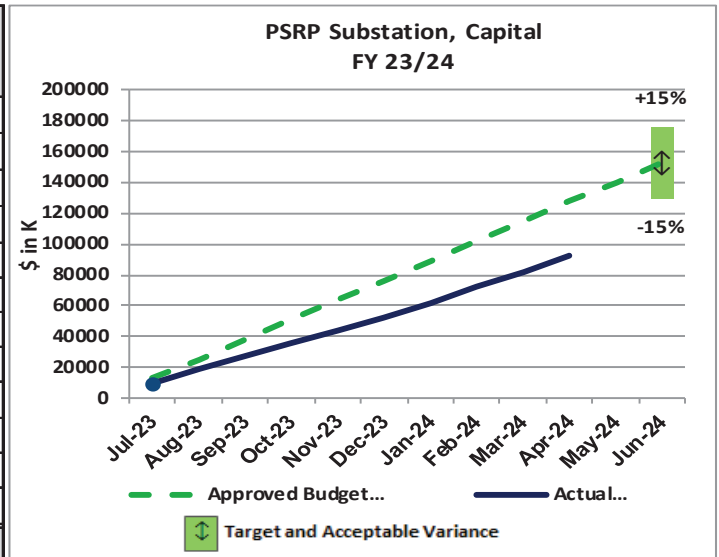
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Board Approved Annual Budget vs. Actual Expenditures for PSRP Substation, Capital

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = \$152,789.0K; Acceptable Variance = ± 15%

STATUS: Outside Acceptable Variance

FYTD as of:	Approved Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate (\$ in K)
			\$ in K	%	
Jul-23	12,732.0	9,489.0	-3,243.0	-25.5%	
Aug-23	25,465.0	18,661.0	-6,804.0	-26.7%	
Sep-23	38,197.0	27,884.0	-10,313.0	-27.0%	
Oct-23	50,929.0	35,822.0	-15,107.0	-29.7%	
Nov-23	63,662.0	43,942.0	-19,720.0	-31.0%	
Dec-23	76,394.0	52,857.0	-23,537.0	-30.8%	
Jan-24	89,126.0	62,207.0	-26,919.0	-30.2%	
Feb-24	101,858.0	72,656.0	-29,202.0	-28.7%	
Mar-24	114,591.0	82,199.0	-32,392.0	-28.3%	
Apr-24	127,323.0	92,523.0	-34,800.0	-27.3%	
May-24	140,055.0				
Jun-24	152,789.0				
Acceptable Variance			± 15%		



SOURCE OF DATA: FI 21195 (KPI # 01.03.01.13).

1. BACKGROUND / PURPOSE

- Substation life extension, expansions, upgrades and equipment replacements (Transformers, Circuit Breakers, Batteries, Regulators, Relays, and RTUs) to improve substation reliability, availability and capacity.

2. ACHIEVEMENTS / MILESTONES

- Transformer, circuit breaker replacement, substation automation, feeders and trunklines design progress is captured in the completed Construction Work Packages (CWP) KPIs in the table below:

KPI	PSRP Replacements or Upgrades:	FYTD Completed CWP Actual	FYTD Completed CWP Target	FYE Completed CWP Target
TRANSFORMER REPLACEMENT:				
04.01.01.76	Extra High Voltage (high side >230kV – Receiving Station (RS), Switching Station (SS), High Voltage Direct Current Converter Stations)	0	1	2
04.01.01.77	Medium Voltage Transformers (high side below 100kV – Distributing Station - DS)	12	23	29
04.01.01.81	High Voltage Transformers (high side 100kV to 230kV - RS, SS)	1	2	3
CIRCUIT BREAKER REPLACEMENT:				
04.01.01.78	Transmission Circuit Breakers (>100kV - RS, SS, High Voltage Alternate Current Switchyards)	3	12	15
04.01.01.79	Sub-transmission Circuit Breakers (34.5kV - RS, DS)	1	50	59
04.01.01.80	Distribution Circuit Breakers (4.8kV - DS)	12	61	75
SUBSTATION AUTOMATION:				
04.01.03.03	Issue Substation Automation CWP	1	7	12
FEEDERS AND TRUNKLINES:				
04.01.01.82	34.5kV Line Positions (Reported Quarterly)	0	4	4
04.01.01.83	4.8kV Feeder Positions (Reported Quarterly)	11	20	24
BATTERY SYSTEMS:				
04.01.01.87	Substation Battery Systems (RS, DS)	2	11	15

Within Acceptable Variance Outside Acceptable Variance Exceeds Target Needs Attention

- Transformers, circuit breakers replacement, substations automation, feeders and trunklines construction progress is captured in the table below

PSRP Replacements or Upgrades:	FYTD Actual Placed In-service
TRANSFORMER REPLACEMENT:	
Extra High Voltage (high side >230kV – Receiving Station (RS), Switching Station (SS), High Voltage Direct Current Converter Stations)	0
High Voltage Transformers (high side 100kV to 230kV - RS, SS)	0
Medium Voltage Transformers (high side below 100kV – Distributing Station - DS)	4
CIRCUIT BREAKER REPLACEMENT:	
Transmission Circuit Breakers (>100kV - RS, SS, High Voltage Alternate Current Switchyards)	3
Sub-transmission Circuit Breakers (34.5kV - RS, DS)	16
Distribution Circuit Breakers (4.8kV - DS)	20
SUBSTATION AUTOMATED:	
Distributing or Receiving Station Upgrade/Automation	0
FEEDERS AND TRUNKLINES:	
34.5kV Line Positions (Reported Quarterly)	0
4.8kV Feeder Positions (Reported Quarterly)	10
BATTERY SYSTEMS:	
Substation Battery Systems (RS, DS)	0

Additional year-to-date achievements and milestones include:

- Substation Equipment Life Extensions:** (0) DS transformer Cans, (33) 34.5 kV circuit breakers and (43) 4.8kV circuit breakers completed.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- This Functional Item (FI) is currently underspending due to a lack of Construction and Test Lab resources and competing capital jobs. It is critical that divisions such as Power Construction and Maintenance (PCM) be able to hire additional Construction and Test Lab resources and backfill existing vacancies to increase the number of capital jobs that are able to be worked on. There are a number of existing vacancies, and PCM is working progressively to remedy, backfill the vacancies, and to support Capital Projects.
 - Currently, Electrical Construction (EC) has two methods for acquiring journey-level resources for capital work, Power System Safety and Training's Electrical Mechanic Training Center (EMTC) for permanent employees, Full-time (FTEs), and hiring temporary employees, (exempts), from Local 18.
 - In 2022, EC began working with Local 18 to ramp up hiring of exempts for specific projects, with the intent of using the new employees for low voltage, electrician type work, and moving our other exempts to Power System Reliability Program (PSRP) and Major Projects. There are 120 exempts for Power system priority work including, but not limited to PSRP and Major Capital Projects. They also provide support for Water System projects.
 - EC will add new permanent employees as follows (approximate numbers) from the EMTC over the following calendar years:

2024:	14
2025:	16
2026:	21
2027:	16
 - EC is also expected to begin an accelerated Electrical Mechanic program. The program is in the development phase. No new employees are expected until 2026.
- FI 211-95 includes Annual (perpetual) jobs, so single estimated lifetime expenditure does not apply.

Total Project Approved from Inception to FY32/33	\$3,784.3M
Project Approved to Date	\$2,095.3M
Project Actuals to Date	\$1,724.5M

Within Acceptable Variance
 Outside Acceptable Variance
 Exceeds Target
 Needs Attention

4. **MITIGATION PLAN AND / OR RECOMMENDATIONS**

- Conduct coordination meetings with various supporting divisions to align resources from the planning, design, procurement, construction, and commissioning phases of projects.
- Perform long-term planning to identify future resource needs to support the Substation Power System Reliability Program.
- Convene bi-monthly Power System Resiliency planning, design, construction, and commissioning meetings necessary to elevate priority of substation reliability jobs.
- Continue to progress most other Substation Power System Reliability Program jobs as resources allow.

LADWP RATES METRIC – PSRP Substation, O&M (Power)

RESPONSIBLE MANAGER: Jonathan Fonti, Power System Integrated Support
Services Division

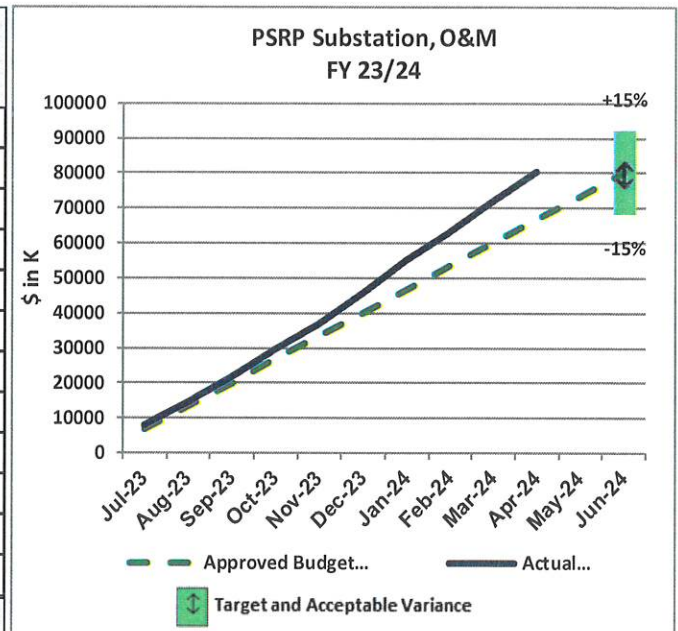
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Budget Approved Annual Budget vs. Actual Expenditures for PSRP Substation, O&M

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = \$80,198K; Acceptable Variance = $\pm 15\%$

STATUS: **Outside Acceptable Variance**

FYTD as of:	Approved Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate
			\$ in K	%	
Jul-23	6,683	8,018	1,335	20.0%	
Aug-23	13,366	14,597	1,231	9.2%	
Sep-23	20,049	22,062	2,013	10.0%	
Oct-23	26,732	29,629	2,896	10.8%	
Nov-23	33,416	36,950	3,534	10.6%	
Dec-23	40,099	45,907	5,808	14.5%	
Jan-24	46,782	55,282	8,500	18.2%	
Feb-24	53,465	63,425	9,960	18.6%	
Mar-24	60,148	72,295	12,147	20.2%	
Apr-24	66,831	80,424	13,593	20.3%	
May-24	73,514				
Jun-24	80,198				
Acceptable Variance			$\pm 15\%$		



SOURCE OF DATA: FI 301-3201 (KPI # 01.03.01.14)

1. BACKGROUND/PURPOSE

- Substation operations and maintenance (O&M) activities are a critical component in the Department's ability to provide continued safe and reliable power. This metric measures the planned vs. actual expenditures for O&M activities for Substation Operations in the Metro, West Los Angeles/South Los Angeles, and Valley areas, including the switching and maintenance of communication equipment.
- Electrical Station Maintenance (ESM) serves as facility manager of over 5,000 facilities in the Los Angeles basin and is responsible for maintenance and for staying in compliance with California Public Utility Commission (CPUC) regulatory obligations. As part of this compliance, ESM performs inspections for all facilities as required by CPUC. For example, CPUC General Order 174 requires that ESM perform monthly inspections on all Distributing Stations on a monthly basis.

2. ACHIEVEMENTS/MILESTONES MET

- See attached Supplemental Summary for the monthly breakdown of restorations and work completed

3. PERFORMANCE/VARIANCE ANALYSIS & YEAR END PROJECTION

- Overall overrun continues to be attributed to labor (CE10), overtime labor (CE11), and allocations in Jobs Maint. of Elect. Substations- Metro (P6268), Maint. of Elect. Substations- West LA/South LA (P6269) and Maint. of Elect. Substations- Valley (P6270) for equipment repairs, restorations, and emergency response efforts at various Receiving, Distributing, and Customer Stations system-wide. The main drivers were the ongoing 4.8kV Circuit Breaker Preventative Maintenance project since this is spread throughout the crews/areas to meet the three-year target and to assure safety and reliability for Feeder Circuits. Overrun breakdown is as follows: total OT: \$6.8M, Allocations: \$2.5M, and Reimbursements: \$1.3M.

4. MITIGATION PLAN AND/OR RECOMMENDATIONS

- Electrical Mechanics (EMs) that support this FI can only be hired after completing the corresponding training programs. In July and October 2023 combined, ESM received sixteen (16) new EMs. In February 2024, eight (8) new EMs started from the Training Center.

Within Acceptable Variance Outside Acceptable Variance Exceeds Target Needs Attention

ACHIEVEMENTS / MILESTONES MET

The following table details the monthly breakdown of Substation O&M activity since JULY 2023.

	JULY 2023	AUG 2023	SEPT 2023	OCT 2023	NOV 2023	DEC 2023	JAN 2024	FEB 2024	MAR 2024	APR 2024	MAY 2024	JUNE 2024	TOTAL
NO. OF RESTORATIONS OF CUSTOMER CIRCUITS:													
Receiving Stations (RS) Circuit Outages	64	57	37	34	33	38	29	54	42	27			415
Distributing Station (DS) Circuit Outages	69	76	55	69	75	63	81	101	109	58			756
5-kV Circuit Grounds	44	75	34	24	50	63	51	120	81	48			590
NO. OF INSULATOR WASHINGS:													
Generating Stations	0	0	0	0	0	0	0	0	0	0			0
Receiving Stations	3	3	4	5	4	3	6	3	5	1			37
Distributing Stations	10	6	10	11	10	15	18	22	16	35			153

* Achievements / Milestones met for the PSRP Substation O&M (Power) Rates Metric

LADWP RATES METRIC – PSRP Distribution, Capital (Power)

RESPONSIBLE MANAGER: Tesfaye Zeleke
Power System Engineering Division

Tesfaye
Zeleke

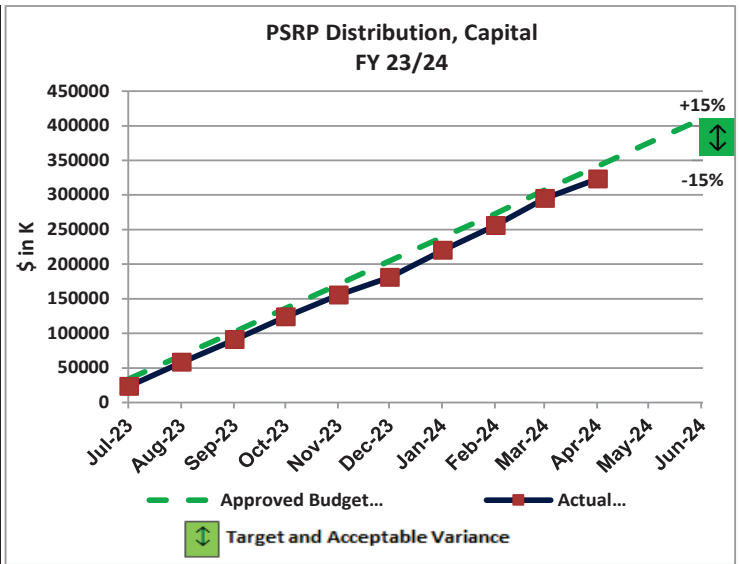
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REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Board Approved Annual Budget vs. Actual Expenditures For PSRP Distribution, Capital
TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = \$409,938K; Acceptable Variance = $\pm 15\%$

STATUS: Within Acceptable Variance

FYTD as of:	Approved Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate
			\$ in K	%	
Jul-23	34,161.5	23,474.0	-10,687.5	-31.3%	
Aug-23	68,323.0	58,122.0	-10,201.0	-14.9%	
Sep-23	102,484.5	91,035.0	-11,449.5	-11.2%	
Oct-23	136,646.0	123,926.0	-12,720.0	-9.3%	
Nov-23	170,807.5	155,565.0	-15,242.5	-8.9%	
Dec-23	204,969.0	181,070.0	-23,899.0	-11.7%	
Jan-24	239,130.5	220,108.0	-19,022.5	-8.0%	
Feb-24	273,292.0	255,930.0	-17,362.0	-6.4%	
Mar-24	307,453.5	295,256.0	-12,197.5	-4.0%	
Apr-24	341,615.0	323,175.0	-18,440.0	-5.4%	
May-24	375,776.5				
Jun-24	409,938.0				
Acceptable Variance			$\pm 15\%$		



SOURCE OF DATA: FI 21190 (KPI # 01.03.01.15)

1. BACKGROUND / PURPOSE

- Table above is a summary of expenditures for all Power System Reliability Program (PSRP) distribution capital projects.
- Below is the approved budget % of four major functions:
 - Transformers: 4% (Jobs P6309 & P6394)
 - Poles: 33% (Job P6322)
 - Crossarms: 5% (Job P6318)
 - Cables: 20% (Job P6306)

2. ACHIEVEMENTS / MILESTONES MET

- The Distribution Reliability spent 94.6% of the budget through the month of April to work on and complete the following:
 - 6.8 circuit-mile of reconductoring
 - 1,002 transformer installations
 - 2,426 pole replacements
 - 8,333 deteriorated crossarm replacements
 - 34.0 circuit-mile of cable replacements
 - 15,699 FIX-IT tickets (Jobs P6318, P6322, P6394, P6306 & O1357)
 - Work continued on Owens Valley – overhead/underground installations and removals, asbestos removals, trouble ticket repairs and service restorations due to outages.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- Variance through the month of April is \$18.4M, 5.4% under budget. This is due to District crews focusing resources on other priority work such as Affordable Housing projects and New Business line extension projects instead of system growth projects such as 4.8kV feeders and 34.5kV trunklines. Additionally, crews are also focusing work on projects for the Metropolitan Transportation Authority, Los Angeles World Airports, and Bureau of Engineering, as well as relocations and conversions projects which caused the decrease of spending on PSRP jobs for this month.

Total Project Approved from Inception to FY32-33	\$8,382.9M
Projects Approved to Date	\$4,635.3M
Project Actuals to Date	\$4,154.1M

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- Coordinate with Contract Operations to assist District crews in completing cable replacement, system growth, and PSRP related jobs.

LADWP RATES METRIC – PSRP Distribution, O&M (Power)

RESPONSIBLE MANAGER: Lucien Patenaude, Power Transmission and Distribution

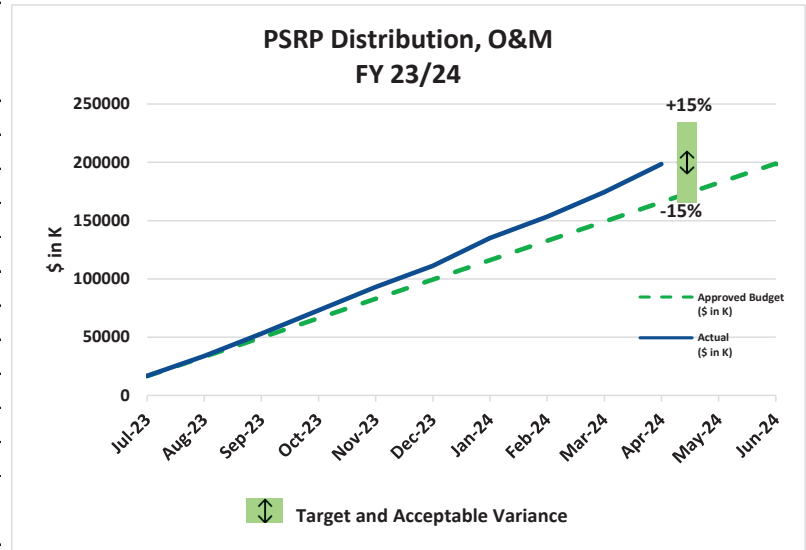
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Board Approved Annual Budget vs. Actual Expenditures for PSRP Distribution, O&M

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = \$198,973K; Acceptable Variance = $\pm 15\%$

STATUS: Outside Acceptable Variance

FYTD as of:	Approved Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate (If Applicable)
			\$ in K	%	
Jul-23	16,581.0	16,838.0	257.0	1.5%	
Aug-23	33,162.0	33,962.0	800.0	2.4%	
Sep-23	49,743.0	53,144.0	3,401.0	6.8%	
Oct-24	66,324.0	71,369.0	5,045.0	7.6%	
Nov-23	82,905.0	93,055.0	10,150.0	12.2%	
Dec-23	99,486.0	111,264.0	11,778.0	11.8%	
Jan-24	116,067.0	135,092.0	19,025.0	16.4%	
Feb-24	132,648.0	153,418.0	20,770.0	15.7%	
Mar-24	149,229.0	174,396.2	25,167.2	16.9%	
Apr-24	165,810.0	198,405.1	32,595.1	19.7%	
May-24	182,391.0				
Jun-24	198,973.0				
Acceptable Variance			\pm	15%	



SOURCE OF DATA: FI 301-3104 (KPI # 01.03.01.16)

1. BACKGROUND / PURPOSE

- To maintain Distribution-voltages of 34.5 kV and below on overhead and underground facilities which carries electricity from Receiving Stations (RS) and Distributing Stations (DS) to the customers for system reliability. There are over 6,800 miles of overhead and 3,597 miles of underground distribution facilities.

2. ACHIEVEMENTS / MILESTONES MET

- Power System Reliability Program (PSRP) aids in the hardening and replacement of critical infrastructure.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- This KPI is outside the 15% threshold set for goal.
- Weather conditions affected the work and caused overruns in Power Transmission and Distribution (PTD) Vegetation Management (P6341) with an amount of \$14.9M, Maintenance of OH Distribution System (P6338) at \$6.3M, Routine Operation of OH Distribution System (P6337) at \$2.7M, and Street Light System O&M (P6346) at \$2.2M. As weather conditions stabilize, the maintenance

and repairs will decrease, and these jobs should balance at the end of the fiscal year.

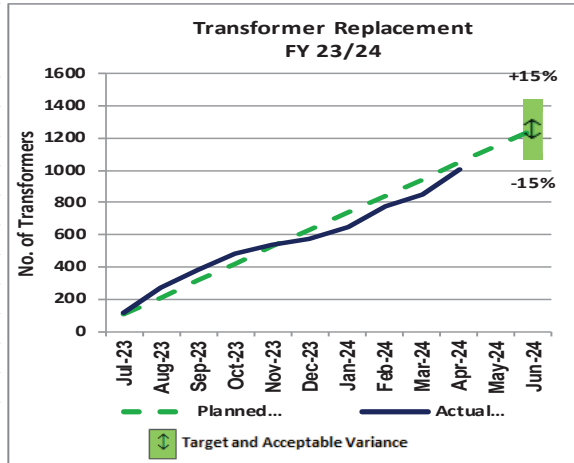
- A \$1.0M overrun in Joint Pole Transactions & Committee Operations (P6336) is due to an overestimate in the amount of reimbursements we would receive. The estimate will be revised in the next budget cycle.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- PTD management will monitor this FI and address any variations.

LADWP RATES/EQUITY METRIC – Transformer Replacement (Power)**RESPONSIBLE MANAGER:** Lucien Patenaude, Power Transmission and Distribution**REPORTING PERIOD:** April 2024**EQUITY CORE CATEGORY:** Water and Power Infrastructure Investment**DEFINITION OF RATES METRIC:** Number of Transformers Replaced Against Plan**TARGET & ACCEPTABLE VARIANCE (FY 23/24):** Target = 1,255; Acceptable Variance = $\pm 15\%$ **STATUS:** Within Acceptable Variance

FYTD as of:	Planned (No.)	Actual (No.)	Variance		Re-Estimate
			No.	%	
Jul-23	105	113	8	7.6%	
Aug-23	210	270	60	28.6%	
Sep-23	315	377	62	19.7%	
Oct-23	420	482	62	14.8%	
Nov-23	525	538	13	2.5%	
Dec-23	630	577	-53	-8.4%	
Jan-24	735	650	-85	-11.6%	
Feb-24	840	777	-63	-7.5%	
Mar-24	945	853	-92	-9.7%	
Apr-24	1,050	1,002	-48	-4.6%	
May-24	1,155				
Jun-24	1,255				
Acceptable Variance			$\pm 15\%$		

**SOURCE OF DATA:** Jobs P6394 and P6309 (KPI # 04.01.01.02)**1. BACKGROUND / PURPOSE**

- Replace 1,255 distribution transformers to increase reliability and maintain compliance with California Public Utilities Commission (CPUC) General Order 165 - Inspection Cycles for Electric Distribution Facilities. Power Transmission and Distribution (PTD) maintains more than 126,000 distribution transformers. This work is required to provide customers reliable power and a better customer experience. Work is completed by Distribution Construction & Maintenance (DC&M) district or contract crews and is related to Power System Reliability Program (PSRP).
- The Transformer Replacement target of 1,200 reflects the planned transformer replacement for Job P6394 (Identify and Replace Distribution Transformers and Related Equipment). Additionally, there is a planned replacement of 55 transformers under Job P6309 (System Transformer Installation/Upgrades). The actual transformer replacements reflect the transformers replaced under both Jobs P6394 and P6309.

2. CRITERIA

- DC&M inspection programs identify transformer replacements due to failure or those at risk of failing. This includes wildfire hardening.

3. ACHIEVEMENTS / MILESTONES MET

- To date, the target was to replace 1,050 transformers and the current actual number of transformers replaced is 1,002.

**4. PERFORMANCE / VARIANCE ANALYSIS
& YEAR END PROJECTION**

- The actual number of transformers replaced is within the $\pm 15\%$ threshold.
- Transformers are replaced after failure due to overload condition or if regularly scheduled maintenance is required. The transformers are counted after being replaced due to heat or scheduled work.
- Weather conditions may change throughout the year, affecting the amount of activity in any given month.

**5. MITIGATION PLAN AND / OR
RECOMMENDATIONS**

- PTD will continue to monitor the job as the year progresses and will adjust priorities and resources accordingly.

6. OUTREACH STRATEGY / PLAN

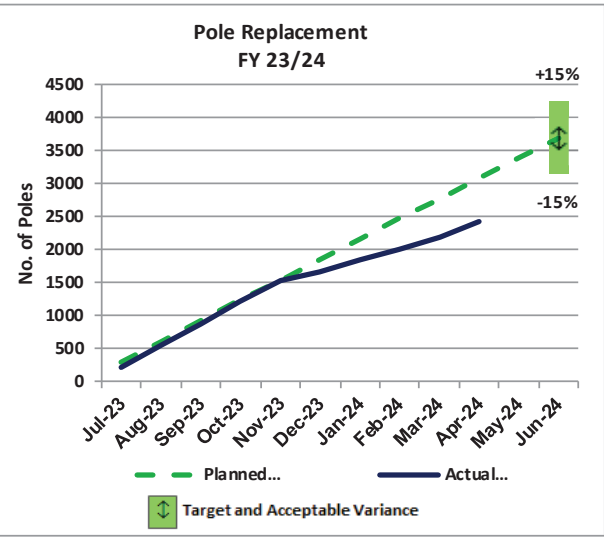
- PTD utilizes poster boards at job locations indicating why work is being performed.
- PTD conducts presentations at Community Council meetings describing PSRP work.
- PTD crew leaders notify customers in person when planning access to facilities for transformer replacements.

LADWP RATES/EQUITY METRIC – Pole Replacement (Power)

RESPONSIBLE MANAGER: Lucien Patenaude, Power Transmission and Distribution **REPORTING PERIOD:** April 2024
EQUITY CORE CATEGORY: Water and Power Infrastructure Investment
DEFINITION OF RATES METRIC: Number of Poles Replaced Against Plan
TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = 3,700; Acceptable Variance = ± 15%

STATUS: Outside Acceptable Variance

FYTD as of:	Planned (No.)	Actual (No.)	Variance		Re-Estimate
			No.	%	
Jul-23	309	227	-82	-26.5%	
Aug-23	618	564	-54	-8.7%	
Sep-23	927	888	-39	-4.2%	
Oct-23	1,236	1,232	-4	-0.3%	
Nov-23	1,545	1,539	-6	-0.4%	
Dec-23	1,854	1,664	-190	-10.2%	
Jan-24	2,163	1,854	-309	-14.3%	
Feb-24	2,472	2,007	-465	-18.8%	
Mar-24	2,781	2,198	-583	-21.0%	
Apr-24	3,090	2,426	-664	-21.5%	
May-24	3,399				
Jun-24	3,700				
Acceptable Variance			± 15%		



SOURCE OF DATA: Jobs P6322 (KPI # 04.01.01.03)

1. **BACKGROUND / PURPOSE**

- Replace 3,700 deteriorated poles due to age or other damage. Power Transmission and Distribution (PTD) maintains approximately 321,000 poles in its system. These poles have an average life span of fifty years. These poles support switches, light fixtures, transformers, and underground cables transitioning to an overhead termination, communication cables, crossarms and conductors at different voltage levels. Work is completed by Distribution Construction & Maintenance (DC&M) district and contract crews. This work is required to maintain compliance with California Public Utilities Commission (CPUC) General Order 165 - Inspection Cycles for Electric Distribution Facilities, and our Power System Reliability Program (PSRP).

2. **CRITERIA**

- Poles are prioritized for replacement by age and if they are rotten.
- The DC&M Inspection program tests and identifies poles that need replacement.
- Fire mitigation and wildfire hardening also play a role in pole replacement.

3. **ACHIEVEMENTS / MILESTONES MET**

- To date, the target was to replace 3,090 poles and the current actual number of poles replaced is 2,426.

4. **PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION**

- The number of poles replaced is outside the acceptable ±15% threshold. Recent weather events required that resources be reallocated to address service restorations.
- Replacements will vary month to month due to some jobs taking over a month to complete.
- Crews are prioritizing General Order 95 non-conformance work (a.k.a. “Fix-it tickets”) in high fire threat areas as well as other areas outside of the high fire threat areas.

5. **MITIGATION PLAN AND / OR RECOMMENDATIONS**

- PTD will evaluate the progress of the job and make necessary adjustments to assure goals are achieved.

6. **OUTREACH STRATEGY / PLAN**

- PTD utilizes poster boards at job locations indicating why work was being performed.

LADWP RATES METRIC – Crossarm Replacement (Power)

RESPONSIBLE MANAGER: Lucien Patenaude, Power Transmission and Distribution

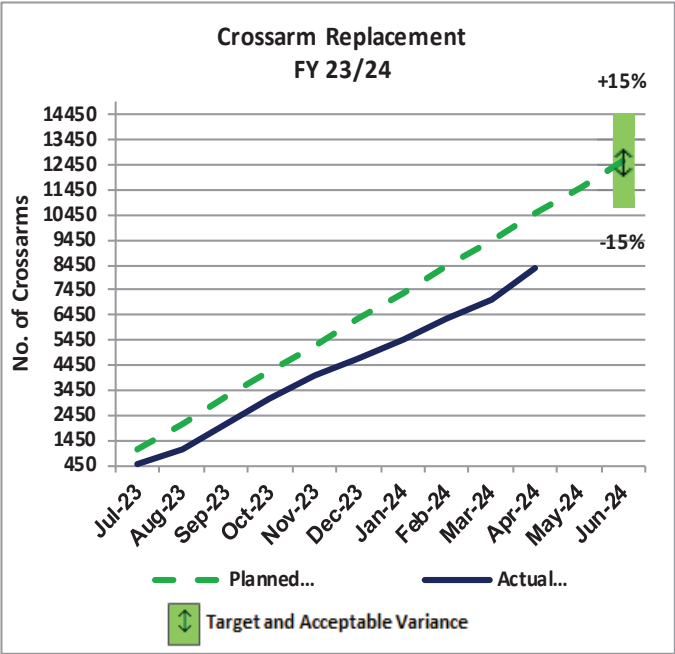
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Number of Crossarms Replaced Against Plan

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = 12,600; Acceptable Variance = ± 15%

STATUS: Outside Acceptable Variance

FYTD as of:	Planned (No.)	Actual (No.)	Variance		Re-Estimate
			No.	%	
Jul-23	1,050	472	-578	-55.0%	
Aug-23	2,100	1,042	-1,058	-50.4%	
Sep-23	3,150	2,102	-1,048	-33.3%	
Oct-23	4,200	3,084	-1,116	-26.6%	
Nov-23	5,250	4,038	-1,212	-23.1%	
Dec-23	6,300	4,692	-1,608	-25.5%	
Jan-24	7,350	5,425	-1,925	-26.2%	
Feb-24	8,400	6,276	-2,124	-25.3%	
Mar-24	9,450	7,029	-2,421	-25.6%	
Apr-24	10,500	8,333	-2,167	-20.6%	
May-24	11,550				
Jun-24	12,600				
Acceptable Variance			± 15%		



SOURCE OF DATA: Jobs P6318 (KPI #04.01.01.21)

1. BACKGROUND / PURPOSE

- Replace 12,600 deteriorated crossarms due to age or other damage. Power Transmission and Distribution (PTD) maintains approximately 321,000 poles that usually support one or more crossarms. These crossarms support conductors at different voltage levels, transformers, switches, light fixtures, communication cables, etc. Work is done by Distribution Construction & Maintenance (DCM) district and contract crews. This work is required to maintain compliance with California Public Utilities Commission (CPUC) General Order 165 - Inspection Cycles for Electric Distribution Facilities, and our Power System Reliability Program (PSRP).

2. ACHIEVEMENTS / MILESTONES MET

- To date, the target was to replace 10,500 crossarms and the current actual number of crossarms replaced is 8,333. This total includes wildfire hardening.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- The number of crossarms replaced is outside the acceptable ±15% threshold. Recent weather events required that resources be reallocated to address service restorations.
- Crews are continuing to prioritize General Order 95 non-conformance work (a.k.a. “Fix-it tickets”) in high fire threat areas as well as other areas outside of the high fire threat areas along with deteriorated poles.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- PTD will monitor this job and adjust work and resources as needed throughout the year to ensure goals are met.
- Contract crews have increased from 21 to 36. This will help close the gap by the end of the fiscal year.

LADWP RATES/EQUITY METRIC – *Cable Replacement (Power)*

RESPONSIBLE MANAGER: Tesfaye Zeleke

 Tesfaye Zeleke
Digitally signed by Tesfaye Zeleke
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REPORTING PERIOD: April 2024

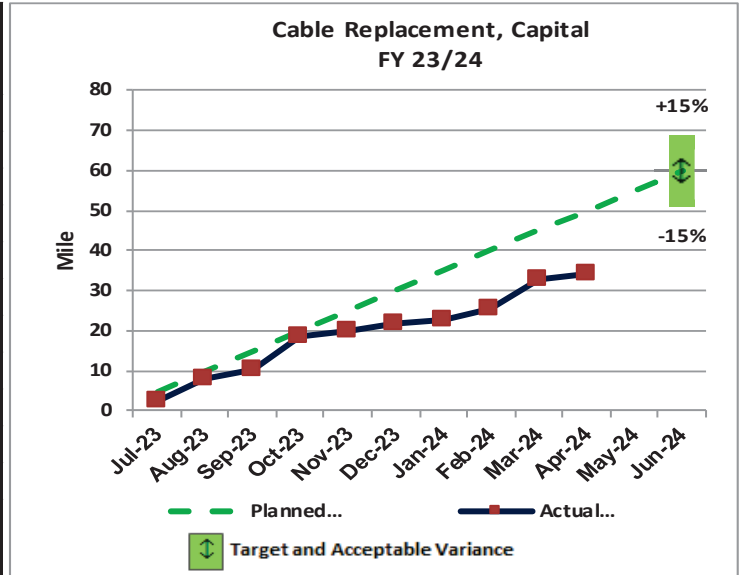
Power System Engineering Division

EQUITY CORE CATEGORY: Water & Power Infrastructure Investment

DEFINITION OF RATES METRIC: No. of Miles of Cable Replaced Against Plan

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = 60 miles; Acceptable Variance = $\pm 15\%$
STATUS: Outside Acceptable Variance

FYTD as of:	Planned (Mile)	Actual (Mile)	Variance		Re-Estimate
			Mile	%	
Jul-23	5.0	2.3	-2.7	-54.0%	
Aug-23	10.0	8.1	-1.9	-19.0%	
Sep-23	15.0	10.5	-4.5	-30.0%	
Oct-23	20.0	18.5	-1.5	-7.5%	
Nov-23	25.0	19.8	-5.2	-20.8%	
Dec-23	30.0	22.0	-8.0	-26.7%	
Jan-24	35.0	22.6	-12.4	-35.4%	
Feb-24	40.0	25.5	-14.5	-36.3%	
Mar-24	45.0	32.9	-12.1	-26.9%	
Apr-24	50.0	34.0	-16.0	-32.0%	
May-24	55.0				
Jun-24	60.0				
Acceptable Variance			$\pm 15\%$		


SOURCE OF DATA: FI 21190, Job P6306 (KPI # 04.01.01.70)

1. NARRATIVE / BACKGROUND

- Cable replacement of 4.8-kV and 34.5-kV cables for additional system reliability due to deterioration, overload, obsolescence, and damage.

2. CRITERIA

- Frequency of failures
- Cable age
- Physical deteriorations: cracks, bulging

3. ACHIEVEMENTS

- Through the month of April, Distribution Construction & Maintenance completed 34.0 circuit-miles. The goal is to complete 60 circuit-miles for Fiscal Year 23/24.

4. PERFORMANCE/VARIANCE ANALYSIS & YEAR END PROJECTION

- Variance through the month of April is 16.0 circuit-miles, 32.0% below target. Variance is due to District crews focusing on other priorities such as customer outages, inspection and maintenance jobs (IMACs), customer line extension work such as Affordable Housing 100 projects, conversion work and relocation work. Additionally, District crews need to close completed jobs and finalize jobs close to completion. Engineering also needs to finalize record drawings for construction completed jobs to capture completed mileage.

Actual circuit-miles recorded are expected to be closer to the target goal when the District crews close the completed jobs. Expenditures for cable replacement have incurred \$10.0M overrun in the corresponding budget in Lead & Synthetic 4.8kV & 34.5kV Cable Replacement (Job P6306). Overrun is also caused by customer outages which require additional labor and overtime by District crews to restore power, labor intensive large 34.5kV cable replacement projects and other cable replacement jobs located in narrow streets that require new conduit and substructures.

5. MITIGATION/RECOMMENDATION

- Distribution circuit design engineers are continuing to compile lists of cable replacement jobs under construction, identifying which jobs are completed or close to being completed and working with District crews to close the completed jobs.
- Contract Operations crews will assist in completing cable replacement jobs and closing completed jobs in Work Management Information System.

6. OUTREACH STRATEGY / PLAN

- Neighborhood Council request for meeting on outages.
- Available information on web site:
<http://prp.ladwp.com>

Within Acceptable Variance
 Outside Acceptable Variance
 Exceeds Target
 Needs Attention

LADWP RATES METRIC – Average Unit Cost per Transformer (Power)

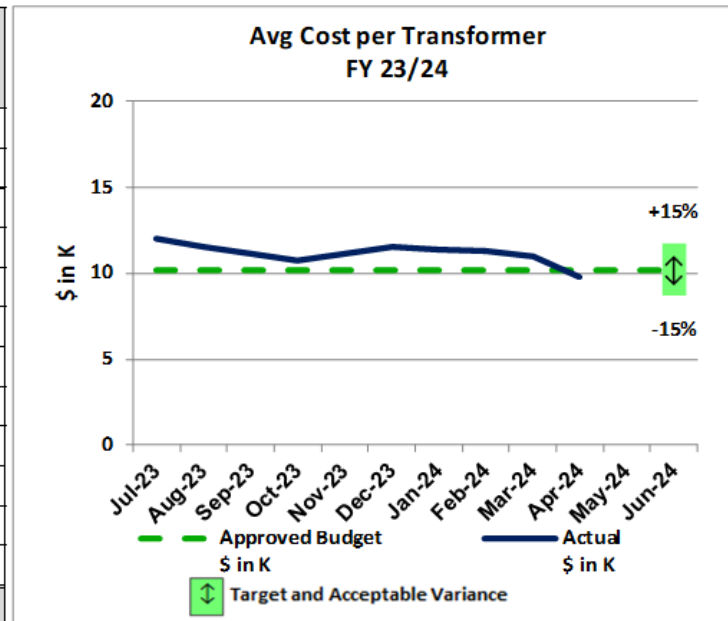
RESPONSIBLE MANAGER: Walter Rodriguez, Jr., Power Transmission and Distribution

REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Average Unit Cost per Transformer *Walter Rodriguez*
TARGET & ACCEPTABLE VARIANCE (FY 23/24) Target = \$10.2K per transformer: Acceptable Variance = ± 15%

STATUS: Within Acceptable Variance

FYTD as of:	Approved Budget \$ in K	Actual \$ in K	Variance		Re-Estimate (If Applicable)
			\$ in K	%	
Jul-23	10.2	12.0	1.8	17.6%	
Aug-23	10.2	11.5	1.3	12.7%	
Sep-23	10.2	11.1	0.9	8.8%	
Oct-23	10.2	10.7	0.5	4.9%	
Nov-23	10.2	11.1	0.9	8.8%	
Dec-23	10.2	11.5	1.3	12.7%	
Jan-24	10.2	11.4	1.2	11.8%	
Feb-24	10.2	11.3	1.1	10.8%	
Mar-24	10.2	11.0	0.8	7.8%	
Apr-24	10.2	9.8	-0.4	-3.9%	
May-24	10.2				
Jun-24	10.2				
Acceptable Variance			± 15%		


SOURCE OF DATA: Jobs P6394/P6309 (KPI # 04.01.01.71)

1. BACKGROUND / PURPOSE

- Identify and replace 1,255 distribution transformers to increase reliability and maintain compliance with California Public Utilities Commission (CPUC) General Order 165 - Inspection Cycles for Electric Distribution Facilities. Power Transmission and Distribution (PTD) has a target replacement cost of \$10.2K per unit.

2. ACHIEVEMENTS / MILESTONES MET

- As of April, the target was to replace 1,050 transformers at 83.7% of the fiscal year-end goal. PTD has completed replacement of 1,002 transformers, which is 79.8% of the fiscal year goal with a current average cost of \$9.8K per unit.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- PTD is within the acceptable target and there is a variance of -\$0.4K per unit. For the month of April, the average cost is \$9.8K, which is -3.9% over the planned target.

- Transformers are identified for replacement using several different criteria; inspections, programs, power quality, as well as risk of failures. The transformers that are incident driven will fluctuate and will directly affect the cost per unit.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- Power Contracts and External Generation Division (PCEGD) business group continues to make advancements on a strategic goal to improve Work Management Information System (WMIS) mapping of Accelerated Code (AC) jobs. Methods of capturing costs in the appropriate jobs has been implemented and will require more training for new crew leaders and supervisors with continued monitoring and adjusting.
- PTD will continue to work with PCEGD on refining the mapping of AC jobs and providing the most accurate cost per unit.
- PTD will continue to monitor and provide recommendations as needed.

Within Acceptable Variance

Outside Acceptable Variance

Exceeds Target

Needs Attention

LADWP RATES METRIC – Average Unit Cost per Pole (Power)

RESPONSIBLE MANAGER: Walter Rodriguez, Jr., Power Transmission and Distribution

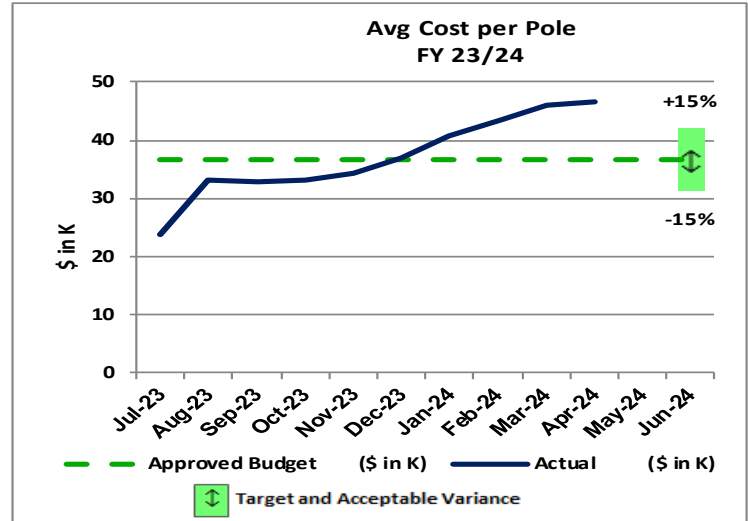
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Average Unit Cost per Pole

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = \$36.6K per pole: Acceptable Variance = ± 15%

Walter Rodriguez
STATUS: Outside Acceptable Variance

FYTD as of:	Approved Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate (If Applicable)
			\$ in K	%	
Jul-23	36.6	23.8	(12.8)	-35.0%	
Aug-23	36.6	33.0	(3.6)	-9.8%	
Sep-23	36.6	32.9	(3.7)	-10.1%	
Oct-23	36.6	33.0	(3.6)	-9.8%	
Nov-23	36.6	34.2	(2.4)	-6.6%	
Dec-23	36.6	37.0	0.4	1.1%	
Jan-24	36.6	40.7	4.1	11.2%	
Feb-24	36.6	43.3	6.7	18.3%	
Mar-24	36.6	46.0	9.4	25.7%	
Apr-24	36.6	46.7	10.1	27.6%	
May-24	36.6				
Jun-24	36.6				
Acceptable Variance			± 15%		


SOURCE OF DATA: Jobs P6322 (KPI # 04.01.01.72)

1. BACKGROUND / PURPOSE

- Replace 3,700 deteriorated power poles due to age or other damage. Power Transmission and Distribution (PTD) maintains approximately 321,000 poles in its system. Power poles have an average life span of fifty years. Power poles support switches, light fixtures, transformers, and underground cables transitioning to an overhead termination, communication cables, crossarms and conductors at different voltage levels. PTD has a target replacement cost of \$36.6K per unit.

- Work Management Information System (WMIS) is the system used to capture time and work orders from employees working on the pole replacements. The number of crews and number of employees that make up each crew may vary based on the location, type of poles being replaced, specialized equipment utility, and other factors that the pole replacement job entails, i.e. complexity/ease of replacement, location, and other mitigating factors, such as the introduction of alternative poles and crews being tasked with focusing on fix it tickets.

2. ACHIEVEMENTS / MILESTONES MET

- As of April, PTD's current to date target was a replacement of 3,090 power poles at 83.5% of the fiscal year goal. PTD has completed replacement of 2,426 power poles, which is 65.6% of the fiscal year goal with a current average cost of \$46.7K per unit.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- PTD's Contract Operations personnel, which includes outside contractors, is outside the target with a variance of \$10.1K per unit. For the month of April, the average cost is \$46.7K, which is 27.6% over the planned target of \$36.6K.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- PTD will continue to monitor and audit unit costs in addition to working with Power Contracts and External Generation Division (PCEGD) to refine accounting for these jobs.
- PTD will work with WMIS administrators on refining and evaluating time allotted for compatible units. The evolving costs associated with materials, equipment and workforce play a constant role in the cost per pole replacement.

LADWP RATES METRIC – Average Unit Cost per Crossarm (Power)

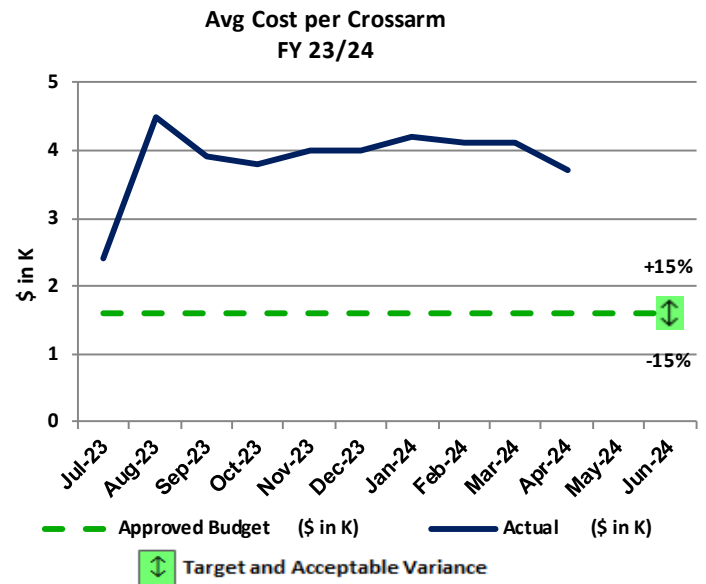
RESPONSIBLE MANAGER: Walter Rodriguez, Jr., Power Transmission and Distribution

REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Average Unit Cost per Crossarm

Walter Rodriguez
TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = \$1.6K per crossarm: Acceptable Variance = $\pm 15\%$
STATUS: Outside Acceptable Variance

FYTD as of:	Approved Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate (If Applicable)
			\$ in K	%	
Jul-23	1.6	2.4	0.8	50.0%	
Aug-23	1.6	4.5	2.9	181.3%	
Sep-23	1.6	3.9	2.3	143.8%	
Oct-23	1.6	3.8	2.2	137.5%	
Nov-23	1.6	4.0	2.4	150.0%	
Dec-23	1.6	4.0	2.4	150.0%	
Jan-24	1.6	4.2	2.6	162.5%	
Feb-24	1.6	4.1	2.5	156.3%	
Mar-24	1.6	4.1	2.5	156.3%	
Apr-24	1.6	3.7	2.1	131.3%	
May-24	1.6				
Jun-24	1.6				
Acceptable Variance			$\pm 15\%$		


SOURCE OF DATA: Job P6318 (KPI # 04.01.01.73)

1. BACKGROUND / PURPOSE

- Replace 12,600 deteriorated crossarms due to age or other damage. Power Transmission and Distribution (PTD) maintains approximately 321,000 poles that usually support one or more crossarms. These crossarms support conductors at different voltage levels, transformers, switches, light fixtures, communication cables, etc. PTD has a target replacement cost of \$1.6K per unit.

2. ACHIEVEMENTS / MILESTONES MET

- As of April, our current to date target is to replace 10,500 crossarms, which is 83.3% of the fiscal year goal. PTD has completed the replacement of 8,333 crossarms, which is 66.1% of the FY goal, with a current average cost of \$3.7K per unit.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- PTD is outside the acceptable target and there is a variance of \$2.1K per unit. For the month of April, the average cost is \$3.7K, which is 131.3% over the approved target. Crossarm replacement costs will fluctuate depending on the difficulty factor of the crossarm replacement.

Contributing factors can be conductor size, whether or not equipment is installed on crossarm, if conductor terminates on crossarm or if crossarm has conductor carrying more than one voltage.

- In addition to the other contributing factors causing a fluctuation in cost, District crews are working overtime to keep up with the KPI targets for crossarms. Moreover, when a crossarm is replaced, the crew will complete non-conformance work on the pole, which is subsequently charged to Job P6318: Replace Deteriorated Crossarms.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- PTD will monitor and work with Power Contracts and External Generation Division (PCEGD) business group on the Work Management Information System (WMIS) mapping of work requests targeting this job.
- PTD will continue to investigate any reporting issues that may be affecting the increase in cost and will continue to monitor and ensure efficient work practices and proper capturing of costs.

LADWP RATES METRIC – Average Unit Cost per Mile of Cable (Power)

RESPONSIBLE MANAGER: Walter Rodriguez Jr., Power Transmission and Distribution

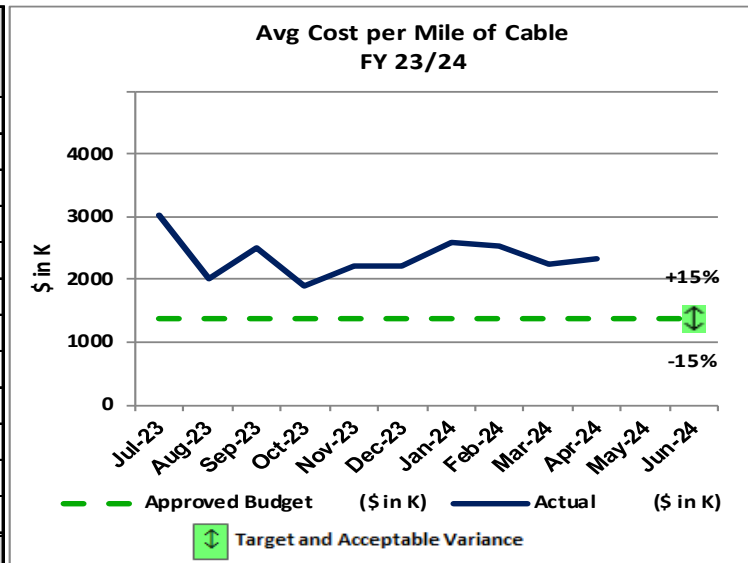
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Average unit cost per mile of cable replaced

Walter Rodriguez
TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = \$1,376.1 per mile of cable replaced; Acceptable Variance = ± 15%

STATUS: Outside Acceptable Variance

FYTD as of:	Approved Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate (If Applicable)
			\$ in K	%	
Jul-23	1,376.10	3,023.2	1,647.1	119.7%	
Aug-23	1,376.10	2,018.7	642.6	46.7%	
Sep-23	1,376.10	2,509.6	1,133.5	82.4%	
Oct-23	1,376.10	1,907.2	531.1	38.6%	
Nov-23	1,376.10	2,209.5	833.4	60.6%	
Dec-23	1,376.10	2,218.7	842.6	61.2%	
Jan-24	1,376.10	2,596.0	1,219.9	88.6%	
Feb-24	1,376.10	2,544.7	1,168.6	84.9%	
Mar-24	1,376.10	2,235.1	859.0	62.4%	
Apr-24	1,376.10	2,332.3	956.2	69.5%	
May-24	1,376.10				
Jun-24	1,376.10				
Acceptable Variance			± 15%		


SOURCE OF DATA: Job P6306 (KPI # 04.01.01.74)

1. BACKGROUND / PURPOSE

- Replace 60 miles of 4.8KV and 34.5KV underground (4.8-kV and 34.5-kV) distribution cables that require periodic upgrading because of load growth, failures due to storm damage, accidents, inherent defects, deterioration, age or advancements in materials and in power distribution techniques. Power Transmission and Distribution (PTD) has a target replacement cost of \$1,376.1K per mile.

2. ACHIEVEMENTS / MILESTONES MET

- PTD's annual target is the replacement of 60 miles of cable. Fiscal year to date, 34 miles of cable replacement has been completed.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- Average cost per mile of cable is \$2,332.3K which is outside the acceptable target for the month of April.
- Overrun is caused by customer outages due to heavy rainstorms which require additional labor and overtime by District crews to restore power and labor intensive large 34.5kV cable replacement projects.
- As the district crews give priority to addressing customer outages and completing priority Inspection Maintenance jobs, there is a slight delay in the crews closing completed jobs of Task 145 in Work Management Information System (WMIS) and finalizing jobs to accurately account

for project labor and material charges in correlation with completed mileage.

- A further delay is encountered as Engineering works on finalizing construction-related record drawings, needed for advancing Task 145 completion in WMIS. This step is vital for capturing mileage and ensuring accurate accounting of labor and material costs. The delay is a result of Engineering prioritizing resources for tasks associated with the Affordable Housing 100 (AH100) projects and other New Business projects.
- Although Engineering was able to complete some record drawings for jobs done in the field, District Crews are still working to complete Task 145 and closing out those jobs in WMIS which causes delays in capturing material costs.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- PTD will monitor job performance and ensure that time, materials, and labor are being accounted for accurately and appropriately.
- PTD will work with Power Contracts and External Generation Division (PCEGD) business group to ensure all work and costs are accounted for with the highest accuracy possible.
- As we approach the end of the fiscal year, PTD intends to collaborate closely with Engineering to finalize records drawing and coordinate with crews to efficiently close out completed jobs in WMIS.

Within Acceptable Variance



Outside Acceptable Variance



Exceeds Target



Needs Attention



LADWP RATES METRIC – *Distribution Automation (Power)*

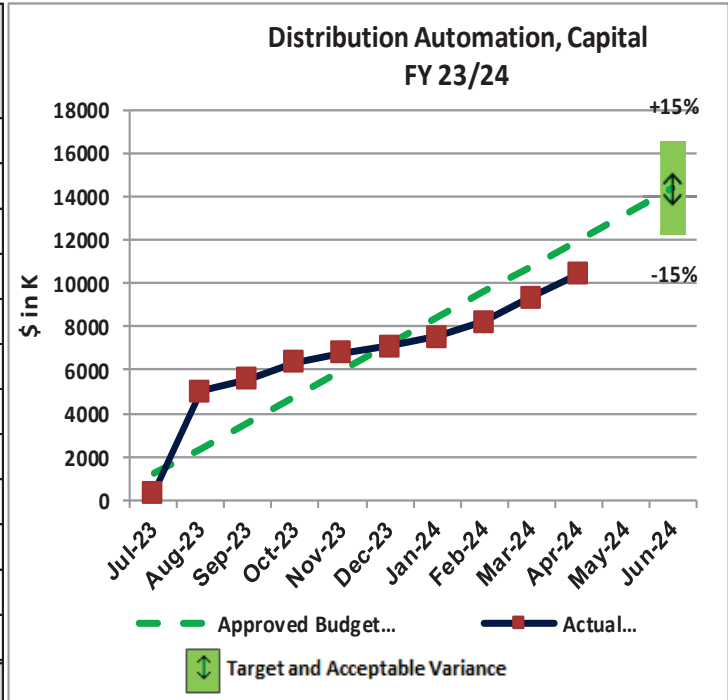
RESPONSIBLE MANAGER: Vipul Sampat Advanced Technologies Infrastructure Division

REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Board Approved Annual Budget vs. Actual Expenditures For Distribution Automation, Capital

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = \$14,371K; Acceptable Variance = $\pm 15\%$
STATUS: Within Acceptable Variance

FYTD as of:	Approved Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate
			\$ in K	%	
Jul-23	1,198	359	(839)	-70.0%	
Aug-23	2,395	5,013	2,617	109.3%	
Sep-23	3,593	5,579	1,986	55.3%	
Oct-23	4,790	6,358	1,568	32.7%	
Nov-23	5,988	6,773	785	13.1%	
Dec-23	7,186	7,073	(113)	-1.6%	
Jan-24	8,383	7,509	(875)	-10.4%	
Feb-24	9,581	8,223	(1,358)	-14.2%	
Mar-24	10,778	9,337	(1,441)	-13.4%	
Apr-24	11,976	10,410	(1,565)	-13.1%	
May-24	13,174				
Jun-24	14,371				
Acceptable Variance			$\pm 15\%$		


SOURCE OF DATA: FI 28840/Job P6511 (KPI # 01.03.01.25).

1. BACKGROUND / PURPOSE

The purpose of the Distribution Automation (DA) Program is to help achieve LADWP's vision of being innovative and using the latest technology to improve, modernize, and better maintain our aging Distribution System. By the end of 2024, LADWP envisions to have all the foundational elements in place to build a smarter, more reliable distribution system that effectively utilizes new technology and innovation to improve system reliability and customer experience.

2. ACHIEVEMENTS / MILESTONES

Ongoing key milestones:

- Installation of Communication Equipment is ongoing; expected to complete by second quarter of FY 24/25.
- LADWP and Bureau of Street Light (BSL) have identified locations and specific BSL poles to install network devices to increase DA communication coverage. The BSL poles will require modifications to the foundation and/or replacement to support weight of communication equipment. Collaboration is ongoing; work expected to complete by October 2024.

- Construction of Substation DA Equipment at RS-G, DS-93, and DS-36; expected completion June 2024.
- Installation of reclosers and IED on 36-05 and 36-10; expected completion June 2024.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- LADWP made payments in April 2024 for DA contract milestones. Cost underrun due to deliverable for ongoing tasks including consulting services, Advanced Meter Infrastructure managed services, and software upgrades tied to key milestones with varying end dates.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- The DA substation equipment construction crews have refocused attention to field device installation in the Lincoln Heights service territory. The Rate of installation field devices has been increasing steadily. Completion of DA equipment installation at RS-G, DS-93, and DS-36 is expected by June 2024.

Vipul
Sampat

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Vipul Sampat
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Kingsford
Kyei

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Kingsford Kyei
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Within Acceptable Variance

Outside Acceptable Variance

Exceeds Target

Needs Attention

LADWP RATES METRIC – *Distribution Automation, Project Milestones (Power)*

RESPONSIBLE MANAGER: Vipul Sampat Advanced Technologies Infrastructure Division

REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Distribution Automation Project Progress Against Schedule (Target as %)

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Target = Complete Equipment Installations by June 2024. Variance = N/A

STATUS

INFORMATION ONLY

Project Milestones	Target Dates	Status
Complete Installation of Pole-Top Communication Equipment	FY 23/24 2nd Qtr. (October 2023 - December 2023)	Delay, anticipated completion FY 24/25 2nd Qtr
Complete Construction work at RS-G, DS-93, and DS-36	FY 23/24 4th Qtr. (April 2024 - June 2024)	Delay, anticipated completion FY 24/25 2nd Qtr
Complete Installation of Reclosers and Intelligent Electronic Devices (IEDs) on 36-05 and 36-10	FY 23/24 4th Qtr. (April 2024 - June 2024)	Delay, anticipated completion FY 24/25 2nd Qtr

SOURCE OF DATA: Distribution Automation Program Schedule

1. BACKGROUND / PURPOSE

The purpose of the Distribution Automation (DA) Program is to help achieve LADWP's vision of being innovative and using the latest technology to improve, modernize, and better maintain our aging Distribution System. By the end of 2024, LADWP envisions to have all the foundational elements in place to build a smarter, more reliable distribution system that effectively utilizes new technology and innovation to improve system reliability and customer experience.

2. ACHIEVEMENTS / MILESTONES

- LADWP and Bureau of Street Light (BSL) have identified specific BSL locations to install network devices to increase DA communication coverage. The BSL poles will require modifications to the foundation and/or replacement to support weight of communication equipment. Collaboration is on-going; work expected to complete by October 2024.
- Total of 1,002 pole-top communication equipment installed; completion is expected by second quarter of FY 24/25.
- DA related construction work in progress at RS-G, DS-93, and DS-36; completion is expected by June 2024.

3. PERFORMANCE / VARIANCE ANALYSIS

& YEAR END PROJECTION

- Pole top installation and cable replacement delayed as a result of:
 - Critical field crews for DA installation re-assigned to other LADWP priorities to support electric trouble and outage management.
 - Dependencies on outside agencies such as BSL.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- The DA substation equipment construction crews have refocused attention to field device installation in the Lincoln Heights service territory. The Rate of installation field devices has been increasing steadily. Completion of DA equipment installation at RS-G, DS-93, and DS-36 is expected by June 2024.

Vipul Sampat
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Kingsford Kyei

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Date: 2024.05.24 12:39:59 -07'00'

Within Acceptable Variance



Outside Acceptable Variance



Exceeds Target



Needs Attention



Water System

LADWP RATES METRIC – WATER DISTRIBUTION INFRASTRUCTURE POSITIONS (Water)

J. Cox for BL
RESPONSIBLE MANAGER: Breonia Lindsey/Sandra Foster *80*

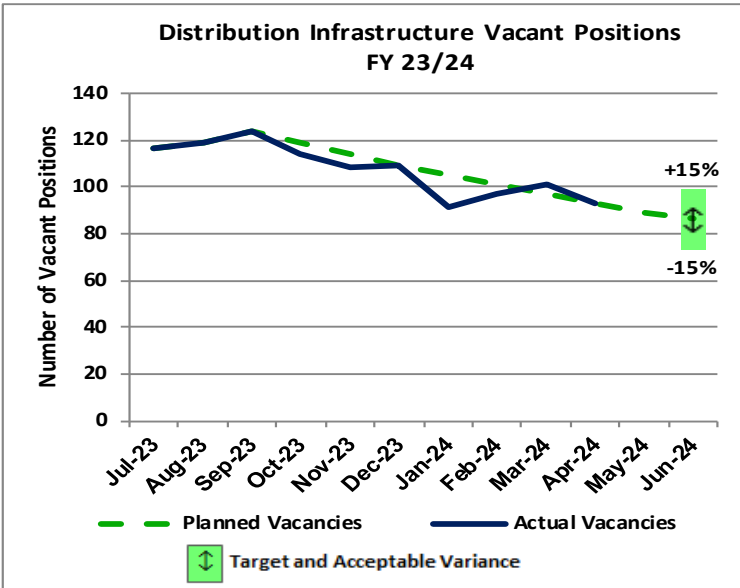
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Number of Full Time Equivalents (FTEs) hired and dedicated to Water Distribution field position as compared to plan.

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Vacant budgeted Water Distribution Infrastructure field positions at 86 or less by the end of the fiscal year/, ±15%

STATUS: Within Acceptable Variance

FYTD as of:	Planned Vacancies	Actual Vacancies	Variance		Re-Estimate (If Applicable)
			# Vacancies	%	
Jul-23	116	116	0	0.0%	
Aug-23	119	119	0	0.0%	
Sep-23	124	124	0	0.0%	
Oct-23	119	114	-5	-4.2%	
Nov-23	114	108	-6	-5.3%	
Dec-23	109	109	0	0.0%	
Jan-24	105	91	-14	-13.3%	
Feb-24	101	97	-4	-4.0%	
Mar-24	97	101	4	4.1%	
Apr-24	93	93	0	0.0%	
May-24	89				
Jun-24	86				
Acceptable Variance			± 15%		



SOURCE OF DATA: Hiring Plan/Annual Personnel Resolution

1. BACKGROUND / PURPOSE

- Distribution infrastructure crews are necessary to meet mainline replacement and other infrastructure goals.
- The target is to reduce vacant budgeted Water Distribution infrastructure field positions to 86 vacancies or less by the end of the fiscal year. Actual vacancy numbers are the total APR field budgeted vacancies resulting from employee retirements, transfers, promotions, and terminations.

2. ACHIEVEMENTS / MILESTONES MET

- The Division continues hiring infrastructure employees in fiscal year 2023/24, filling existing vacancies in critical infrastructure crews.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- Current rate of hiring budgeted positions is within the acceptable variance.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- The Division continues efforts to backfill critical infrastructure positions and reduce budgeted vacancies to meet its future mainline replacement goal.

** Appendix – WATER DISTRIBUTION INFRASTRUCTURE POSITIONS VACANCY CALCULATIONS

June 2023 Net Vacancies	98
Hired	-7
Reallocated*	-2
Attrition	25
Adjustment**	2
July 2023 Net Vacancies	116
Hired	0
Reallocated*	0
Attrition	3
August 2023 Net Vacancies	119
Hired	-3
Reallocated*	0
Attrition	8
September 2023 Net Vacancies	124
Hired	-19
Reallocated*	-1
Attrition	9
Adjustment**	1
October 2023 Net Vacancies	114
Hired	-25
Reallocated*	1
Attrition	17
Adjustment**	1
November 2023 Net Vacancies	108
Hired	-5
Reallocated*	0
Attrition	4
Adjustment**	2
December 2023 Net Vacancies	109

December 2023 Net Vacancies	109
Hired	-21
Reallocated*	0
Attrition	3
January 2024 Net Vacancies	91
Hired	-12
Reallocated*	0
Attrition	17
Adjustment**	1
February 2024 Net Vacancies	97
Hired	0
Reallocated*	0
Attrition	5
Adjustment**	-1
March 2024 Net Vacancies	101
Hired	-25
Reallocated*	0
Attrition	10
Adjustment**	7
April 2024 Net Vacancies	93

*Temporarily reallocated for alternate positions providing infrastructure support, and positions loaned to other divisions, to facilitate hiring processes while waiting for Civil Service Lists to be established for field positions.

**Adjustment due to correction in occupancy data.

LADWP RATES METRIC – WATER SUPPLY COST BUDGET VS ACTUAL- CAPITAL (Water)

RESPONSIBLE MANAGER: April Thang *AK*

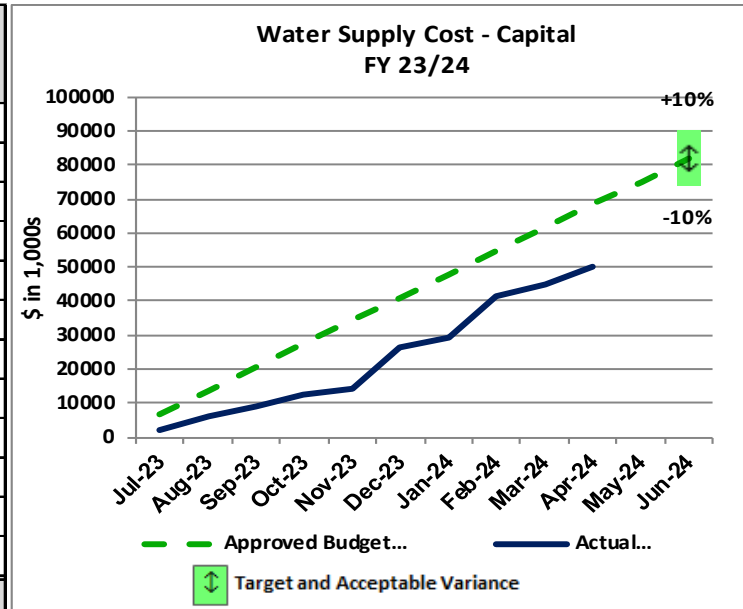
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Board approved annual budget vs actual expenditures.

TARGET & ACCEPTABLE VARIANCE (FY 23/24): \$82,075K, ±10 percent

STATUS: Outside Acceptable Variance

FYTD as of:	Approved Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate (If Applicable)
			\$ in K	%	
Jul-23	6,840	1,827	-5,013	-73.3%	
Aug-23	13,679	5,862	-7,817	-57.1%	
Sep-23	20,519	8,778	-11,741	-57.2%	
Oct-23	27,358	12,533	-14,825	-54.2%	
Nov-23	34,198	14,425	-19,773	-57.8%	
Dec-23	41,037	26,512	-14,525	-35.4%	
Jan-24	47,877	29,452	-18,425	-38.5%	
Feb-24	54,716	41,565	-13,151	-24.0%	
Mar-24	61,556	45,134	-16,422	-26.7%	
Apr-24	68,395	49,953	-18,442	-27.0%	
May-24	75,235				58,922
Jun-24	82,075				65,552
Acceptable Variance			± 10%		-20.1%



SOURCE OF DATA: FIs 22130, 22140, 22150, 23150, 24315, 24318, and 28204.

1. BACKGROUND / PURPOSE

- Water supply costs include both current supply of water and the development of future supplies necessary to make more resilient and reliable sources of water.
- In addition, water supply costs-capital include capital expenditures from LA Aqueduct A&B South and North, Eastern Sierra Environmental, Water Recycling, Groundwater Management, Watershed-Stormwater Capture, and Water Conservation.

2. ACHIEVEMENTS / MILESTONES MET

- In April 2024, LADWP issued the first of two payments to the City of San Fernando. LADWP partnered with the City of San Fernando on the design and construction of the San Fernando Regional Park Infiltration Project.
- In December 2023, the stormwater recharge capacity increased by 446 AFY due to completion of the San Fernando Regional Park Infiltration Project.
- In November 2023, Water Operations drilled two monitoring wells (T991 and T992) as part of establishing the baseline groundwater levels near the Cottonwood water banking project.
- In October 2023, the Department of Water Resources awarded LADWP with a \$4.5M grant for the Dominguez Gap Second Connection project. A press conference was held and highlighted the project goals to achieve 100% water reuse in the Los Angeles Harbor, cease wastewater discharge into the LA Harbor, and reduce potable water usage at the Dominguez Gap Seawater Intrusion Barrier.

Within Acceptable Variance



Outside Acceptable Variance



Exceeds Target



Needs Attention



- In September 2023, the installation of the Headworks Direct Potable Reuse Pilot Study (Pilot Study) was completed. The Pilot Study includes a small-scale installation of various treatment processes that will help LADWP in testing and developing the scope for the larger scale Demonstration Facility.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- Water Recycling Capital jobs have a \$11.7M underrun in other outside services and professional services. These include an underrun for the Harbor Refineries Pipeline Project due to delays in construction mobilization with the contractor, an underrun for the Harbor Industrial Onsite Improvements due to invoicing delays, and an underrun for the Headworks DPR Demonstration Facility due to finalizing construction closeout tasks. Despite these underruns, the projects are actively in progress to support the expansion of the recycled water system in the Harbor area and Potable Reuse initiatives.
- The \$11M underrun in Los Angeles Aqueduct Southern District Additions and Betterments jobs is due to underspending in labor and construction services. The Old Top Removal and Nine Mile Cement Lining project has been canceled for this fiscal year.
- In addition, there is a \$7M underrun in LA Aqueduct Northern District Additions and Betterments. The underspending is caused by payment delays for landfill remediation services and shifting priorities from Capital projects to focus on O&M work due to major storm events in 2023.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- The Water System will continue monitoring the costs to ensure they are in line with the approved budget. Budget re-estimates have been made.

LADWP RATES METRIC – WATER SUPPLY COSTS BUDGET VS ACTUAL- O&M (Water)

RESPONSIBLE MANAGER: April Thang

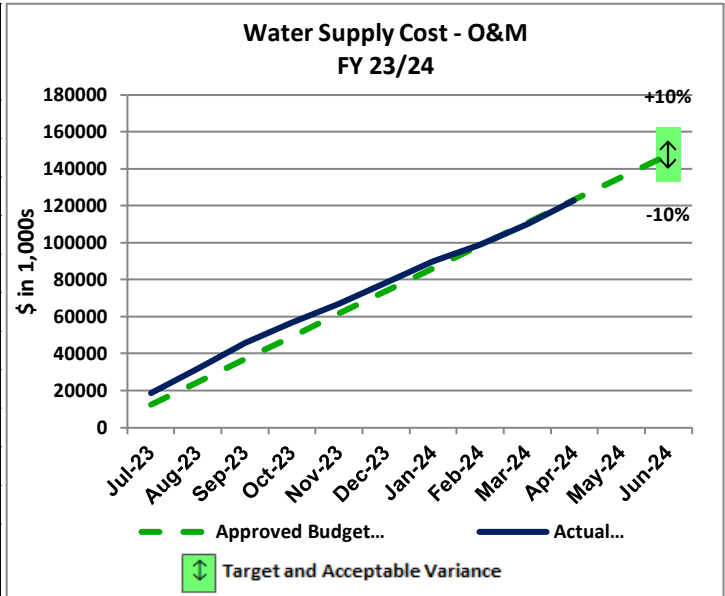
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Board approved annual budget vs actual expenditures.

TARGET & ACCEPTABLE VARIANCE (FY 23/24): \$147,701K, ±10 percent

STATUS: Within Acceptable Variance

FYTD as of:	Approved Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate (If Applicable)
			\$ in K	%	
Jul-23	12,308	18,642	6,334	51.5%	
Aug-23	24,617	31,981	7,364	29.9%	
Sep-23	36,925	45,709	8,784	23.8%	
Oct-23	49,233	56,682	7,449	15.1%	
Nov-23	61,542	66,788	5,246	8.5%	
Dec-23	73,850	78,301	4,451	6.0%	
Jan-24	86,158	90,019	3,861	4.5%	
Feb-24	98,466	98,726	260	0.3%	
Mar-24	110,775	110,114	-661	-0.6%	
Apr-24	123,083	122,916	-167	-0.1%	
May-24	135,391				
Jun-24	147,701				
Acceptable Variance			± 10%		


SOURCE OF DATA: FIs 3022001, 3022005, 3022015, 3022025, 3022035, 3022037, 3051000, 3052000, 3112009, 3112200, 3122240, 3222507, 4013005, 4053010, and 4092023.

1. BACKGROUND / PURPOSE

- Operation and maintenance costs (excluding Purchased Water cost) necessary to sustain a resilient and reliable water supply.
- Water supply costs include operation and maintenance expenditures from LA Aqueduct Operations North and South, LA Aqueduct Maintenance North and South, Resources Management, Stormwater Management, Water Conservation, Water Recycling, Groundwater Pump O&M North, LA Groundwater Pump & SRCE Facility, Pump Booster, Hazardous Substance Management Program, Eastern Sierra Environmental, Groundwater O&M, and Southern District Engineering & Operations.

2. ACHIEVEMENTS / MILESTONES MET

- As of April 2024:
 - completed 502 preventative maintenance tasks for 96 pump station facilities and 68 regulatory bi-weekly maintenance on 45 emergency backup IC Engine units located throughout the Water System.
 - there have been seven* complete retrofits at the Valley and Metro Pressure Regulating Stations.

*Data corrected from the January count of nine to reflect actual number of retrofits.

**3. PERFORMANCE / VARIANCE ANALYSIS
& YEAR END PROJECTION**

- On target.

**4. MITIGATION PLAN AND / OR
RECOMMENDATIONS**

- The budget has been increased to account for anticipated expenditures due to the record snowpack and storms. Continue to monitor the water supply expenditures carefully to ensure it is in line with the approved budget.

LADWP RATES METRIC – Purchased Water (Water)

RESPONSIBLE MANAGER: April Thang

REPORTING PERIOD: April 2024

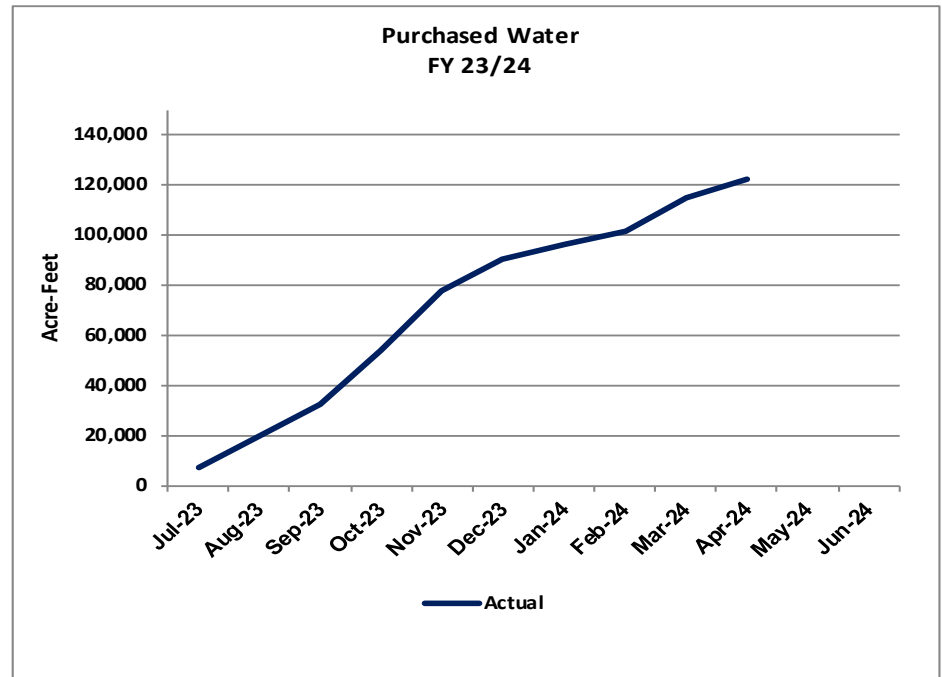
DEFINITION OF RATES METRIC: Annual quantity of purchased water in acre-feet (AF). Information only.

TARGET & ACCEPTABLE VARIANCE (FY 23/24): N/A - for information only

STATUS:

Information Only

FYTD as of:	Actual
Jul-23	7,461
Aug-23	19,556
Sep-23	32,554
Oct-23	53,612
Nov-23	77,818
Dec-23	90,495
Jan-24	96,506
Feb-24	101,750
Mar-24	114,774
Apr-24	122,306
May-24	
Jun-24	



SOURCE OF DATA: Monthly Metropolitan Water District invoices.

1. BACKGROUND / PURPOSE

- Purchased water from Metropolitan Water District is an important source of water for our overall water supply portfolio and makes it more resilient.
- The Mayor's long-term plan is to reduce dependency on purchased water supply.

Southern California. The continued availability of LAA supplies has significantly reduced purchases of the more expensive water.

2. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- During normal weather conditions annual amount of purchased water is 165,000 AF.
- Due to the wetter conditions resulting from the major storm events in 2023 and average conditions in 2024, Los Angeles Aqueduct (LAA) water supplies continue to be available, which impacted the purchases of water from the Metropolitan Water District of

3. MITIGATION PLAN AND / OR RECOMMENDATIONS

- As of April, the combined average of LADWP's Eastern Sierra snow courses was 63 percent of normal peak with water content measuring 14.22 inches.

* Snow survey conducted by hydrographers on the 1st of February, March and April of each year. Historically, April 1st has been peak snowpack.

LADWP RATES METRIC – RECYCLED WATER DELIVERED (Water)

RESPONSIBLE MANAGER: Jesus Gonzalez

REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Annual quantity of purchased water in acre-feet (AF). Information only.

TARGET & ACCEPTABLE VARIANCE (FY 23/24): N/A - for information only

STATUS:

Information Only

FYTD as of:	Actual
Jul-23	1,117
Aug-23	2,332
Sep-23	2,976*
Oct-23	3,800*
Nov-23	4,686*
Dec-23	5,602*
Jan-24	6,161
Feb-24	6,739
Mar-24	7,275
Apr-24	7,961
May-24	
Jun-24	



SOURCE OF DATA: Customer Recycled Water Meter Reads

*Data corrected based on updated meter reads

1. BACKGROUND / PURPOSE

- Recycled Water is one of the local supply strategies to meet the Mayor's Sustainable City pLAn to reduce dependency on imported water.

2. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- Not applicable - for information only.

3. MITIGATION PLAN AND / OR RECOMMENDATIONS

- Continue to deliver recycled water to existing customers.
- Identify barriers and challenges to work with prospective recycled water customers in close proximity to RW infrastructure to expand RW deliveries.

LADWP RATES METRIC – STORMWATER CAPACITY (Water)

RESPONSIBLE MANAGER: David R. Pettijohn

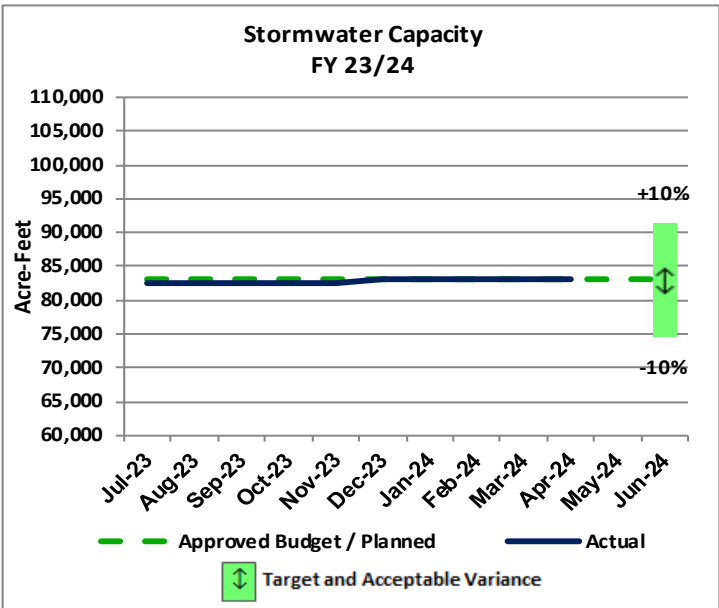
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Stormwater system capacity milestones in acre-feet (AF) against plan.

TARGET & ACCEPTABLE VARIANCE (FY 23/24): 83,000 AFY; $\pm 10\%$ variance

STATUS: Within Acceptable Variance

FYTD as of:	Approved Budget / Planned	Actual	Variance		Re-Estimate (If Applicable)
			Unit or \$	%	
Jul-23	83,000	82,626	-374	-0.5%	
Aug-23	83,000	82,626	-374	-0.5%	
Sep-23	83,000	82,626	-374	-0.5%	
Oct-23	83,000	82,626	-374	-0.5%	
Nov-23	83,000	82,626	-374	-0.5%	
Dec-23	83,000	83,072	72	0.1%	
Jan-24	83,000	83,072	72	0.1%	
Feb-24	83,000	83,072	72	0.1%	
Mar-24	83,000	83,072	72	0.1%	
Apr-24	83,000	83,072	72	0.1%	
May-24	83,000				
Jun-24	83,000				
Acceptable Variance			$\pm 10\%$		


SOURCE OF DATA: Summary of Major Stormwater Capture Projects Report

1. BACKGROUND / PURPOSE

- Projects to meet the Water System's long-term strategic goals for improved water supply reliability, consistent with the 2020 Urban Water Management Plan and LADWP's Stormwater Capture Master Plan.
- Replenishment of the San Fernando Groundwater Basin is vital to sustain the long-term native safe yield of the City's local groundwater supply.

2. ACHIEVEMENTS / MILESTONES MET

- Completed projects include:
 - San Fernando Regional Park Infiltration Project (446 AFY).
- Projects in construction include:
 - Pacoima Spreading Grounds Improvement Project (5,300 AFY), 85% complete.

- Projects in design/planning include:

- Stormwater Capture Parks Program:
 - Fernangeles Park (202 AFY), Valley Village Park (136 AFY), Strathern Park North (225 AFY), Valley Plaza Park North (398 AFY), Valley Plaza Park South (158 AFY), David M. Gonzales (448 AFY), North Hollywood Park (1,150 AFY), Alexandria Park (72 AFY), Whitsett Fields Park North (185 AFY), 100% design plans in progress.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- On target.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- Draft plans, specifications, and estimates have been developed for the Stormwater Capture Parks Program. Implementation MOA is pending resolution of roles and responsibilities with project partners. The MOA is needed for the Parks Program to initiate Bid & Award of the projects.

Within Acceptable Variance
 Outside Acceptable Variance
 Exceeds Target
 Needs Attention

LADWP RATES METRIC – LA AQUEDUCT BUDGET VS ACTUAL - CAPITAL (Water)

RESPONSIBLE MANAGER: Wendy McGhie WM AP

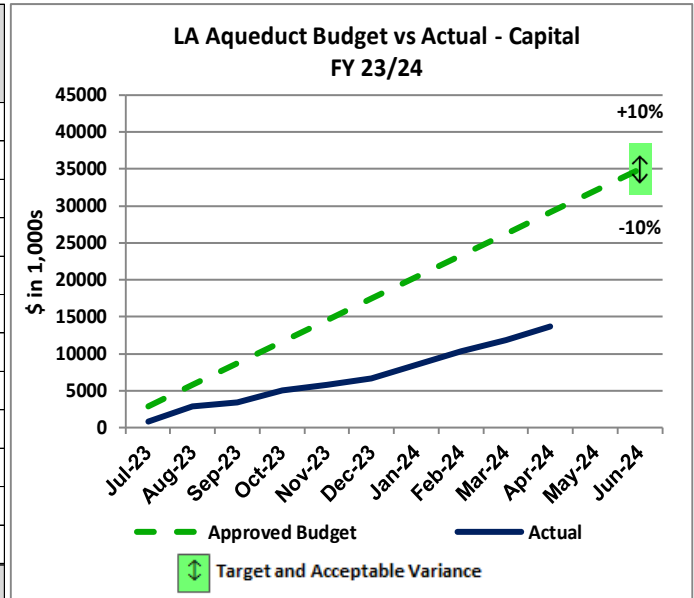
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Board approved annual budget vs actual expenditures.

TARGET & ACCEPTABLE VARIANCE (FY 23/24): \$35,011, ± 10 percent

STATUS: **Outside Acceptable Variance**

FYTD as of:	Approved Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate (If Applicable)
			\$ in K	%	
Jul-23	2,918	803	-2,115	-72.5%	
Aug-23	5,835	2,866	-2,969	-50.9%	
Sep-23	8,753	3,403	-5,350	-61.1%	
Oct-23	11,670	4,995	-6,675	-57.2%	
Nov-23	14,588	5,783	-8,805	-60.4%	
Dec-23	17,505	6,682	-10,823	-61.8%	
Jan-24	20,423	8,464	-11,959	-58.6%	
Feb-24	23,341	10,306	-13,035	-55.8%	
Mar-24	26,258	11,828	-14,430	-55.0%	
Apr-24	29,176	13,672	-15,504	-53.1%	
May-24	32,093				14,442
Jun-24	35,011				15,755
Acceptable Variance			$\pm 10\%$		-55.0%



SOURCE OF DATA: FIs 22130, 22140, and 22150.

1. BACKGROUND / PURPOSE

- The Los Angeles Aqueduct is an important source of non-purchased water. During times of low flow in the Aqueduct, infrastructure projects are completed (this cannot be done during high flow periods).

- LAA2 was reconnected with Maclay Highline in October 2023.
- The Tinnemaha Siphon project was completed in August 2023.
- Studies for the Long Valley Rockfall Mitigation project began in July 2023.

2. ACHIEVEMENTS / MILESTONES MET

- Repairs at North Haiwee Dam #1 – Crest Rehabilitation Project completed in April 2024.
- Construction and start-up of Well 428 (Symmes Shephard) completed in February 2024.
- Electrical upgrades of Well 384 in Independence completed in February 2024.
- Replaced flow meters at Wells 247, 248, and 249 as part of our well meter replacement program completed in February 2024.
- Two monitoring wells were installed at Cottonwood Water Banking Project in November 2023.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- The \$11M underrun in Los Angeles Aqueduct (LAA) Southern District Additions & Betterments is due to several capital projects being postponed including:
 - The Nine Mile Sag Pipe Cement Re-Lining Project was canceled for FY 23/24 due to continuous flows.
 - Old Top Removal project was canceled for this fiscal year as crews are working on repairing damages caused by the 2023 Atmospheric River and Tropical Storm Hilary events.

- The \$7M underrun in Los Angeles Aqueduct (LAA) Northern District Additions & Betterments is due to management shifting priorities from Capital projects to focus on O&M work due to major storm events in 2023.

4. **MITIGATION PLAN AND / OR RECOMMENDATIONS**

- Continue to work with Water Engineering and Technical Services to move projects forward.
- The budget will be re-estimated and continue to be monitored.

LADWP RATES METRIC – LA AQUEDUCT BUDGET VS ACTUAL – O&M (Water)

RESPONSIBLE MANAGER: Wendy McGhie

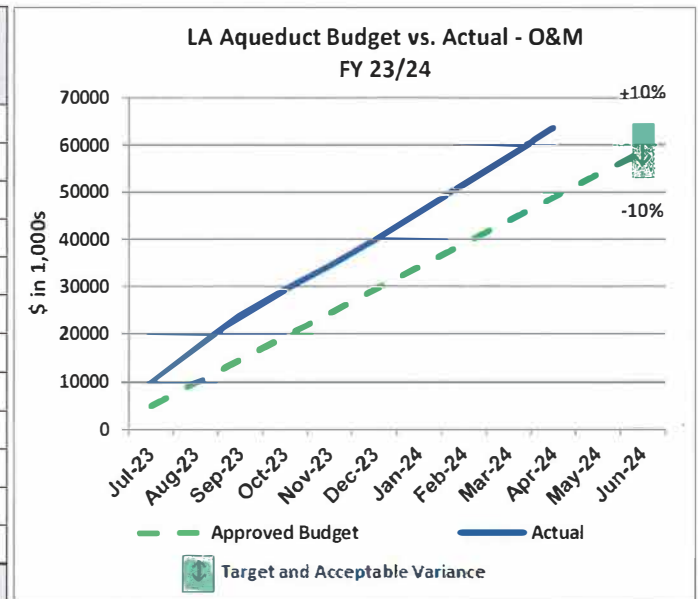
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Board approved annual budget vs actual expenditures.

TARGET & ACCEPTABLE VARIANCE (FY 23/24) \$58,714, ± 10 percent

STATUS: **Outside Acceptable Variance**

FYTD as of:	Approved Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate (If Applicable)
			\$ in K	%	
Jul-23	4,893	10,230	5,337	109.1%	
Aug-23	9,786	17,149	7,363	75.2%	
Sep-23	14,678	24,151	9,473	64.5%	
Oct-23	19,571	29,282	9,711	49.6%	
Nov-23	24,464	34,375	9,911	40.5%	
Dec-23	29,357	39,854	10,497	35.8%	
Jan-24	34,250	45,883	11,633	34.0%	
Feb-24	39,143	51,633	12,490	31.9%	
Mar-24	44,035	57,811	13,776	31.3%	
Apr-24	48,928	63,620	14,692	30.0%	
May-24	53,821				72,658
Jun-24	58,714				79,264
Acceptable Variance			$\pm 10\%$		35.0%



SOURCE OF DATA: FIs 3022001, 3022005, 3022015, 3022025, 3022035, 3112009, 3222507, 4013005, and 4092023.

1. BACKGROUND / PURPOSE

- The Los Angeles Aqueduct is an important source of non-purchased water. During times of high flow in the Aqueduct (generally, the first two months of the year), operations and maintenance focus is to manage the run-off.

2. ACHIEVEMENTS / MILESTONES MET

As of April 2024, Aqueduct crews have:

- Mowed 1605 acres for resource clearing;
- Graded 1317 miles of roads;
- Mowed 837.5 miles of canals and ditches;
- Cleaned 113.3 miles of canals and ditches;
- Installed 13.3 miles of fencing;
- Cleaned 55.15 cubic miles of sand traps;
- Installed 6 data logger/station retrofits.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- The \$12.1M overrun in Los Angeles Aqueduct Northern District Operations is due to additional labor, materials and supplies, and construction equipment services needed for flood mitigation resulting from the record snowpack and storms occurring in 2023.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- The annual budget was increased as crews continue performing substantial maintenance needed for asset protection due to record annual precipitation and working towards Operational and Maintenance goals.

LADWP RATES METRIC – GALLONS PER CAPITA PER DAY (GPCD)(Water)

RESPONSIBLE MANAGER: Terrence McCarthy *Terrence McCarthy*

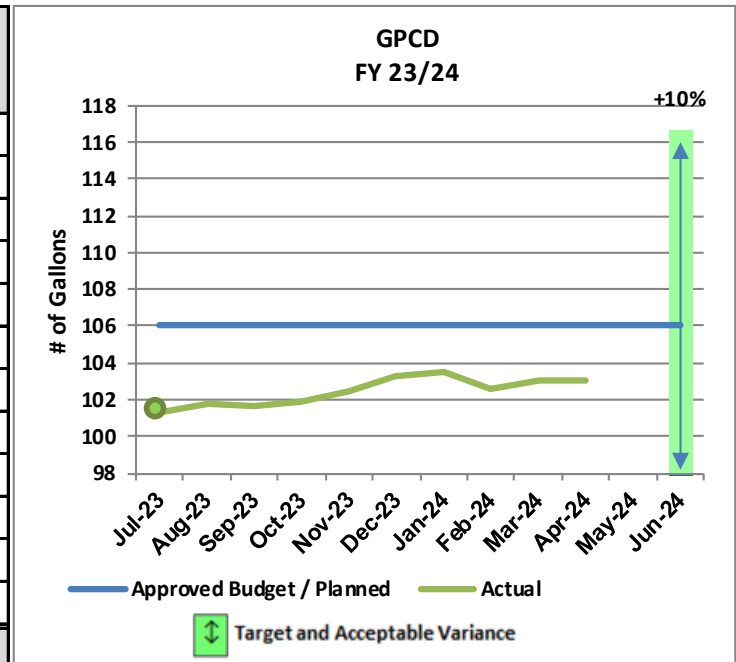
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Level of water conservation against target GPCD.

TARGET & ACCEPTABLE VARIANCE (FY 23/24): 106 GPCD, $\pm 10\%$ Acceptable Variance

STATUS: **Within Acceptable Variance**

FYTD as of:	Approved Budget / Planned	Actual	Variance		Re-Estimate of Budget/Planned
			GPCD	%	
Jul-23	106	101	-5	-4.4%	
Aug-23	106	102	-4	-4.0%	
Sep-23	106	102	-4	-4.1%	
Oct-23	106	102	-4	-3.9%	
Nov-23	106	102	-4	-3.3%	
Dec-23	106	103	-3	-2.6%	
Jan-24	106	103	-3	-2.4%	
Feb-24	106	103	-3	-3.2%	
Mar-24	106	103	-3	-2.8%	
Apr-24	106	103	-3	-2.8%	
May-24	106				
Jun-24	106				
Acceptable Variance			$\pm 10\%$		



SOURCE OF DATA: Water Operations Monthly Supply Tracking

1. BACKGROUND / PURPOSE

- Gallons per capita per day (GPCD) is a measure of the City's progress in water conservation. The Mayor's Sustainable City pLAN set GPCD reduction goals of 20, 22.5, and 25 percent by 2017, 2025, and 2035, respectively.

2. ACHIEVEMENTS / MILESTONES MET

- In March 2024, LADWP provided additional testimony and written comments to the State Water Resources Control Board regarding the proposed "Making Water Conservation A California Way of Life" regulation.
- In October 2023, LADWP provided testimony and written comments to the State Water Resources Control Board regarding the proposed "Making Water Conservation A California Way of Life" regulation.
- On March 1, 2023, LADWP reached and surpassed its 2022 Drought Target of 105 GPCD.
- On January 1, 2017, LADWP met the pLAN goal of 20 percent reduction in GPCD.

- Monthly customer water per capita use may slightly increase due to re-instatement of Phase 2 of the City's Emergency Water Conservation ordinance (three day a week irrigation) in late July 2023.
- 12-month rolling GPCD is anticipated to stay the same or slightly increase due to increased irrigation as the warmer summer months approach. April 2024 was cooler and wetter than April 2023 in terms of temperature and precipitation.
- LADWP's Water Conservation Response Unit has continued to educate residential and commercial customers about conservation practices and respond to water waste complaints received from the public. During April 2024, 124 warnings were issued, which is approximately 2% less when compared to April 2023.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- LADWP will continue to support customer water use efficiency practices through its rebate programs, conservation messaging, educational programs, and other innovative solutions.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

Within Acceptable Variance Outside Acceptable Variance Exceeds Target Needs Attention

LADWP RATES METRIC – FIXED ASSETS REPLACEMENT BUDGET VS ACTUAL (Water)

RESPONSIBLE MANAGER: April Thang 

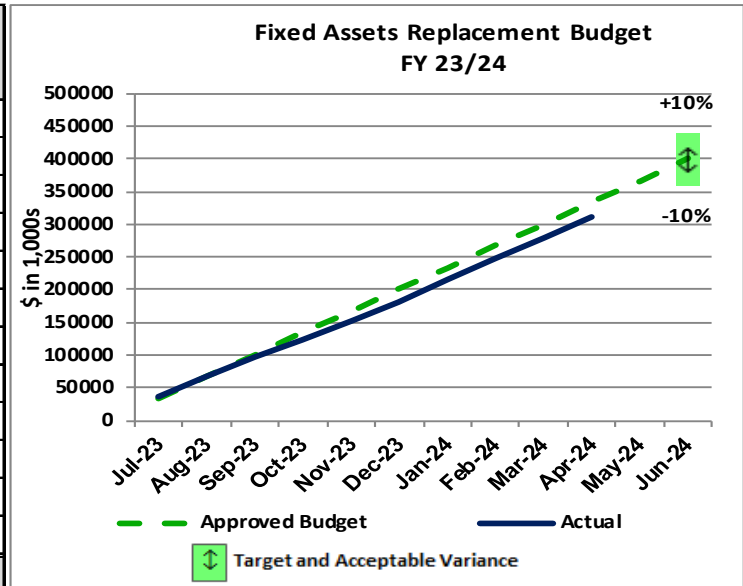
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Board approved annual budget vs actual expenditures.

TARGET & ACCEPTABLE VARIANCE (FY 23/24): \$400,236K, ± 10 percent

STATUS: **Within Acceptable Variance**

FYTD as of:	Approved Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate (If Applicable)
			\$ in K	%	
Jul-23	33,353	35,321	1,968	5.9%	
Aug-23	66,705	67,682	977	1.5%	
Sep-23	100,058	97,083	-2,975	-3.0%	
Oct-23	133,410	123,443	-9,967	-7.5%	
Nov-23	166,763	152,521	-14,242	-8.5%	
Dec-23	200,115	179,762	-20,353	-10.2%	
Jan-24	233,468	214,813	-18,655	-8.0%	
Feb-24	266,820	248,433	-18,387	-6.9%	
Mar-24	300,173	278,576	-21,597	-7.2%	
Apr-24	333,525	311,877	-21,648	-6.5%	
May-24	366,878				
Jun-24	400,236				
Acceptable Variance			$\pm 10\%$		



SOURCE OF DATA: FIs 23220, 23290, 24150, 26220, 26331, 27210, 29140, and 29328.

1. BACKGROUND / PURPOSE

- This metric tracks the Water System's overall infrastructure replacement program. Expenditures include mainline replacement, trunk line replacement, pump stations, regulator stations, tanks and other key Water System facilities.

2. ACHIEVEMENTS / MILESTONES MET

As of April 2024:

- 183,271 feet of mainline have been installed.
- 4,008 feet of trunk line have been replaced.
- 13 pumps have been replaced/retrofitted.
- 7 Regulator/Relief Station has been retrofitted.
- 347* new fire hydrants have been installed.

*January 2024 report corrected from 322 to 220 fire hydrants installed, 347 installed through April.

- North Haiwee Dam No. 2 Project:
 - The LA Aqueduct realignment construction was completed in April 2024, and the Bypass was removed. All the work was completed with no effect to the Aqueduct's operations.
 - The CDSM (Cement Deep Soil Mixing) Rig mobilized at the site. Test sections were installed in April 2024, and testing will occur early May. Pending the test results, the new dam's foundation soil improvement will begin July 2024.
 - Excavation for the new dam began in December 2023. A groundwater pumping system is being installed to lower the ground water along the new dam alignment in order to prepare the foundation of the new dam.
 - The Los Angeles Aqueduct Bypass was constructed and became operational in October 2023.

- Tinemaha Dam Replacement Project:
 - The first phase of the Phase 2 field investigations at Tinemaha was completed on January 19, 2024. Phase 2A field investigations will finalize the characterization of the geotechnical and geological conditions.
 - In November 2023, the Geotechnical and Geology Engineering groups continued Phase 2A of the geotechnical explorations that focus in the upland areas of Tinemaha Dam. The geotechnical field work will further characterize the geotechnical and geologic conditions at the site for the design of the proposed dam, outlet works structures, spillway, and river diversion.
- Sidewalk Replacement Program:
 - As of December 2023, the 102nd out of 104 sites was completed.
 - No additional sites will be completed this fiscal year as the MOU with Bureau of Street Services has expired. Power Construction & Maintenance (PCM) will complete the remaining two sites by early 2025.

3. **PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION**

- On target

4. **MITIGATION PLAN AND / OR RECOMMENDATIONS**

- Continue to hire staff and work with PCM to accomplish the Water Infrastructure Plan goals.

LADWP RATES METRIC – MAINLINE REPLACEMENT (Water)

RESPONSIBLE MANAGER: Breonia Lindsey/Sandra Foster

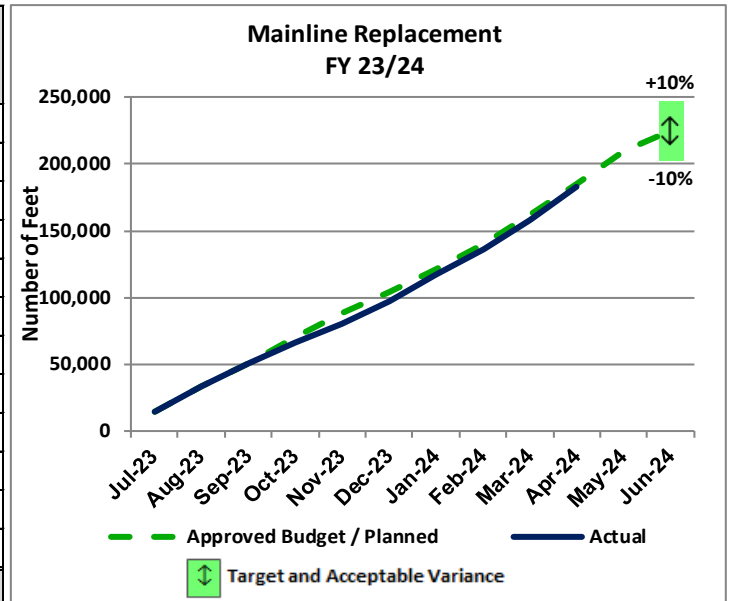
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Feet of mainline replaced against plan.

TARGET & ACCEPTABLE VARIANCE (FY 23/24): 225,000 feet, ±10%

STATUS: **Within Acceptable Variance**

FYTD as of:	Approved Budget / Planned	Actual	Variance		Re-Estimate (If Applicable)
			Feet	%	
Jul-23	15,170	15,170	0	0.0%	
Aug-23	33,645	33,645	0	0.0%	
Sep-23	50,435	50,435	0	0.0%	
Oct-23	70,572	66,816	-3,756	-5.3%	
Nov-23	88,620	80,347	-8,273	-9.3%	
Dec-23	104,223	96,941	-7,282	-7.0%	
Jan-24	121,513	117,247	-4,266	-3.5%	
Feb-24	139,905	135,840	-4,065	-2.9%	
Mar-24	161,967	158,397	-3,570	-2.2%	
Apr-24	184,401	183,271	-1,130	-0.6%	
May-24	209,466				
Jun-24	225,000				
Acceptable Variance			± 10%		



SOURCE OF DATA: FI 26331, Job 30067

1. BACKGROUND / PURPOSE

- Mainline replacement is a portion of the Water System's strategy to maintain reliability, to reduce leaks and minimize interruptions and damage to the community.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- The rate of mainline replacement for this reporting period is within the acceptable variance. The Division anticipates meeting the mainline replacement goal by the end of the fiscal year.

2. ACHIEVEMENTS / MILESTONES MET

- As of April 2024, the Division has replaced 183,271 feet of mainline.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- The Division will continue with planned hiring and training for mainline crews to reach the replacement rate of 240,000 feet of pipe per year, by FY 2024/25, resulting in a replacement cycle of 150 years and meet customer demand for new installations.

LADWP RATES METRIC – TRUNK LINE REPLACEMENT (Water)

RESPONSIBLE MANAGER: Paul Liu *Paul Liu*

MS 6/21/2024

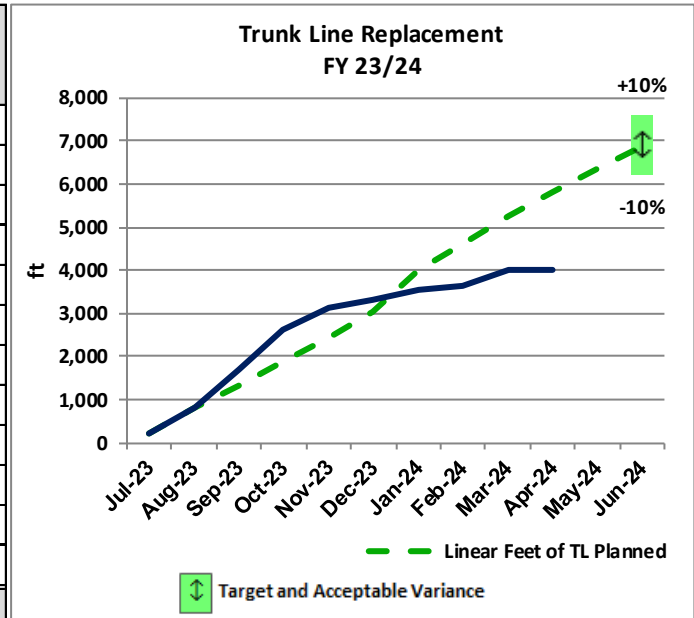
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Feet of trunk line replaced against the plan.

TARGET & ACCEPTABLE VARIANCE (FY 23/24): 6,900 feet, ± 10 percent

STATUS: Outside Acceptable Variance

FYTD as of:	Linear Feet of TL Planned	Actual Linear Feet of TL Replaced	Variance		Re-Estimate (If Applicable)
			ft	%	
Jul-23	219	209	-10	-4.6%	
Aug-23	794	807	13	1.6%	
Sep-23	1,322	1,669	347	26.2%	
Oct-23	1,875	2,605	730	38.9%	
Nov-23	2,453	3,141*	688	28.0%	
Dec-23	3,031	3,334	303	10.0%	
Jan-24	4,004	3,545	-459	-11.5%	
Feb-24	4,629	3,620	-1,009	-21.8%	
Mar-24	5,277	3,993	-1,284	-24.3%	
Apr-24	5,802	4,008	-1,794	-30.9%	
May-24	6,352				4,642
Jun-24	6,900				4,762
Acceptable Variance			$\pm 10\%$		-31.0%


SOURCE OF DATA: FI 23222 - Jobs 23117, 23515; FI 26220 - Jobs 23095, 23213, 23137.

* Data corrected from the November 2023 count of 3,131 feet to reflect the actual feet of trunk line constructed.

1. BACKGROUND / PURPOSE

- Trunk lines are a major component of the Water System infrastructure. Rehabilitation and replacement are necessary to maintain reliable supply and safe operation of the system.

2. ACHIEVEMENTS / MILESTONES MET

As of April 2024:

- 662 feet of trunk line was installed on City Trunk Line North Unit 2.
- 1,199 feet of trunk line was installed on River Supply Conduit (RSC) Lower Reach Unit 1A Project.
- 1,891 feet of trunk line was installed on North Hollywood Operable Unit Second Interim Remedy Project.
- 40 feet of trunk line was installed on Coronado Project.
- 216 feet of trunk line was installed on City Trunk Line North Unit 1.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- City Trunk Line North Unit 2 experienced delays due to rainy weather, shoring difficulties, and procurement. As of April, these delays are resolved and the project started to progress.
- The Division projects to replace 4,762 feet of trunk line by the end of the fiscal year.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- Continue ongoing trunk line replacement projects.

LADWP RATES METRIC – METER REPLACEMENT (Water)

RESPONSIBLE MANAGER: Breonia Lindsey/Sandra Foster

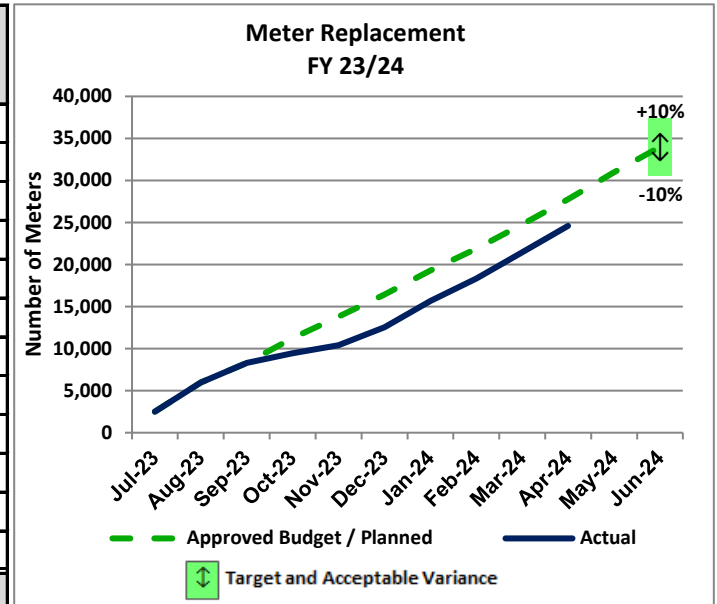
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Number of meters replaced against plan.

TARGET & ACCEPTABLE VARIANCE (FY 23/24): 34,000 meters, $\pm 10\%$

STATUS: **Outside Acceptable Variance**

FYTD as of:	Approved Budget / Planned	Actual	Variance		Re-Estimate (If Applicable)
			Meters	%	
Jul-23	2,531	2,531	0	0.0%	
Aug-23	5,970	5,970	0	0.0%	
Sep-23	8,328	8,328	0	0.0%	
Oct-23	11,253	9,452	-1,801	-16.0%	
Nov-23	13,811	10,425	-3,386	-24.5%	
Dec-23	16,451	12,536	-3,915	-23.8%	
Jan-24	19,291	15,694	-3,597	-18.6%	
Feb-24	21,881	18,348	-3,533	-16.1%	
Mar-24	24,806	21,480	-3,326	-13.4%	
Apr-24	27,771	24,589	-3,182	-11.5%	
May-24	30,953				26,200
Jun-24	34,000				28,560
Acceptable Variance			$\pm 10\%$		-16.0%



SOURCE OF DATA: FI 27215, Job 30053

1. BACKGROUND / PURPOSE

- Accurate meter reading is necessary to ensure reliable and accurate billing. This metric measures both the replacement of infrastructure assets and our commitment to accurate meter reading and billing.

2. ACHIEVEMENTS / MILESTONES MET

- As of April 2024, 24,589 meters of the 34,000 fiscal year goal have been replaced.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- The rate of meter replacement for this reporting period is outside the acceptable variance. The rate of meter replacement has been hindered by supply chain issues since the beginning of the fiscal year. The Division anticipates a partial delivery in early June but that may not provide sufficient inventory or time to meet the meter replacement goal by fiscal year end. Water Distribution is projected to replace 28,560 meters for the fiscal year.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- The Division will continue efforts to fill vacancies to provide the needed support for meter replacement and continues to make progress on increasing the rate of meter replacement.

LADWP RATES METRIC – WATER QUALITY CAPITAL BUDGET VS ACTUAL (Water)

Paul Liu

RESPONSIBLE MANAGER: Paul Liu

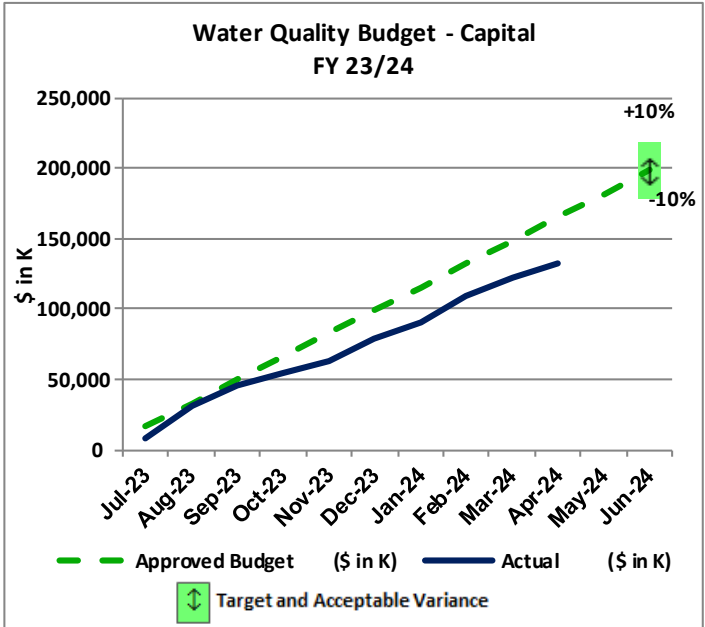
MS 6/20/2024 REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Board approved annual budget vs actual expenditures

TARGET & ACCEPTABLE VARIANCE (FY 23/24): \$199M, ±10 percent

STATUS: Outside Acceptable Variance

FYTD as of:	Approved Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate (If Applicable)
			\$ in K	%	
Jul-23	16,550	8,403	8,147	-49.2%	
Aug-23	33,101	31,107	1,994	-6.0%	
Sep-23	49,651	45,806	3,845	-7.7%	
Oct-23	66,202	54,030	12,172	-18.4%	
Nov-23	82,752	63,321	19,431	-23.5%	
Dec-23	99,303	78,869	20,434	-20.6%	
Jan-24	115,853	90,232	25,621	-22.1%	
Feb-24	132,403	108,702	23,701	-17.9%	
Mar-24	148,954	122,044	26,910	-18.1%	
Apr-24	165,504	132,212	33,292	-20.1%	
May-24	182,055				
Jun-24	198,607				
Acceptable Variance			± 10%		



SOURCE OF DATA: FIs 23222, 24130, 24310, 24305, 24316, 27215, and 29130.

1. BACKGROUND / PURPOSE

- Water System's water quality program includes projects required to meet water quality regulations and accomplish groundwater remediation goals.

2. ACHIEVEMENTS / MILESTONES MET

As of April 2024:

- North Hollywood Central Chlorination Station Replacement Project: Design reached 100% complete. Currently in Procurement Phase.
- San Fernando Groundwater Basin Remediation (SFGBR) – North Hollywood Centralized Treatment and SFGBR – Tujunga Centralized Treatment: Construction is at approximately 95% complete as crews work on testing and punch list items.
- River Supply Conduit (RSC) Upper Reach Unit 7 Project: Construction reached 100% complete. The entire RSC Upper Reach Units 5, 6, and 7 will be flushed, disinfected, and put in service along with RSC Lower

Reach Unit 1A once construction is completed.

- RSC Lower Reach Unit 1A West Project: Construction remains at 95% complete. Pipeline construction is completed. The project team is preparing for disinfection before connecting to other RSC projects and commissioning.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- The \$16.6M underrun in Chloramination Station Installation jobs is due to a delay in the Missions Wells Chloramination Station project as the project delivery method is set to be changed. Design specifications are being modified to prepare for the change. Contributing to the underrun is the delay in the System-Wide Chloramination Trailer Project. Work by Power Construction and Maintenance (PCM) is on hold; partial procurement of parts has been expedited and PCM anticipates work to resume in June 2024. In addition, there is an underrun

Within Acceptable Variance Outside Acceptable Variance Exceeds Target Needs Attention

in the North Hollywood Central Chlorination Station Replacement job. The project is pending Notice of Compliance (NOC) approval; construction is expected to start in April 2025.

- The \$13.7M underrun in Water Treatment Improvements jobs is due to delays with the procurement of the Owner's Agent and Design-Build Contract for the Fairmont Sedimentation Plant project. The contract is anticipated to begin at the end of 2024. Contributing to the underrun are project delays for the Crystal Springs and Zoo Treatment Stations Construction, Keeler Treatment Station Upgrade, Buena Vista OSHG Treatment Station Upgrade, Eagle Rock Hypo Treatment Station Upgrade and Santa Ynez Temporary Hypo Station.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- To facilitate the projects moving forward, the Division continues to coordinate with PCM. The procurement and NOC processes are closely being monitored.

LADWP RATES METRIC – WATER QUALITY BUDGET VS ACTUAL – O&M [Water]

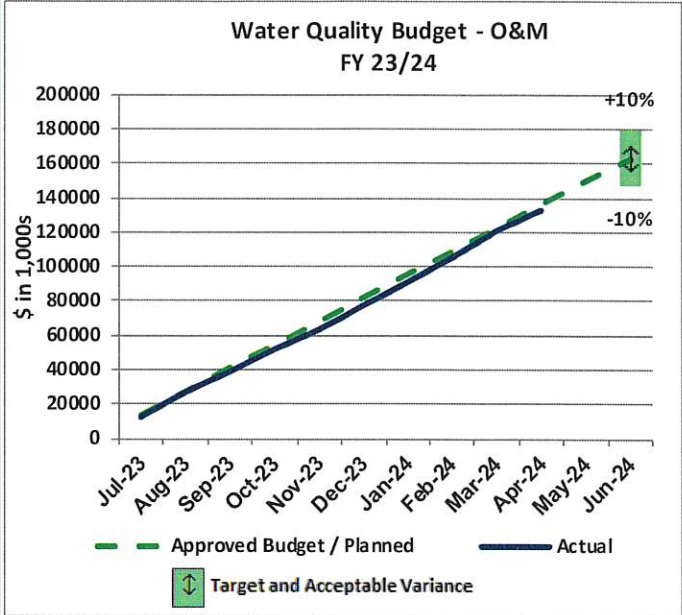
RESPONSIBLE MANAGER: Ruben Rosales *René* 5/29/2024 REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Board approved annual budget vs actual expenditures.

TARGET & ACCEPTABLE VARIANCE (FY 23/24): \$163,268K, ± 10 percent

STATUS: **Within Acceptable Variance**

FYTD as of:	Approved Budget / Planned	Actual	Variance		Re-Estimate (If Applicable)
			Unit or \$	%	
Jul-23	13,606	12,678	-928	-6.8%	
Aug-23	27,211	27,181	-30	-0.1%	
Sep-23	40,817	39,118	-1,699	-4.2%	
Oct-23	54,422	51,161	-3,261	-6.0%	
Nov-23	68,028	63,237	-4,791	-7.0%	
Dec-23	81,633	77,286	-4,347	-5.3%	
Jan-24	95,239	90,764	-4,475	-4.7%	
Feb-24	108,844	105,250	-3,594	-3.3%	
Mar-24	122,450	120,555	-1,895	-1.5%	
Apr-24	136,055	132,878	-3,177	-2.3%	
May-24	149,661				
Jun-24	163,268				
Acceptable Variance			10%		



SOURCE OF DATA: FIs 3212500, 3212520, 3212530, 3212540, 3212585, 3233150, 3352200 and 4010602.

1. BACKGROUND / PURPOSE

- This metric measures the Water System's ongoing efforts to continue to meet mandated water quality regulations.

2. ACHIEVEMENTS / MILESTONES MET

As of April 2024:

- Water Quality Groundwater O&M completed 4,048 groundwater samplings required for regulatory permits and Prop 1 Grant Program projects.
- Water Quality Control collected 23,783 regulatory required water quality samples from distribution system and supply sources, and made operational adjustments as well as developed safety protocols in light of events such as unhoused encampments.
- Water Quality Customer Care has processed Memoranda of Understanding with the following City Departments: Recreation and Parks, General Services, Los Angeles World Airport, Los Angeles Public Library, Streets LA, Los Angeles Zoo and Los Angeles City Tourism Department for the Hydration Station Initiative Program (HSIP). During this reporting period, 58* hydration stations have been incentivized through HSIP partnerships and approximately \$370,841* in reimbursements paid.
- Community Outreach - Water Quality Customer Care supported the efforts of two newly selected grantees, Alliance to Save Energy and Climate Resolve, who will be conducting public outreach and education campaigns that promote LADWP's high quality water, and communicate the environmental, health and economic benefits of drinking tap water.

*stats corrected to reflect YTD data

- Water Operations Distribution Reservoir O&M completed five tank cleanings.
- Filtration Plant Operations treated over 94,500 MG of raw water at the Los Angeles Aqueduct Filtration Plant.

**3. PERFORMANCE / VARIANCE ANALYSIS
& YEAR END PROJECTION**

- Water Quality O&M expenditures are on target and within acceptable variance.

**4. MITIGATION PLAN AND / OR
RECOMMENDATIONS**

- Expenditure progress will continue to be carefully monitored through the Water System monthly financial and variance reports.

LADWP RATES METRIC – BUDGET VS ACTUAL FOR OWENS LAKE O&M [Water]

RESPONSIBLE MANAGER: Jaime Valenzuela

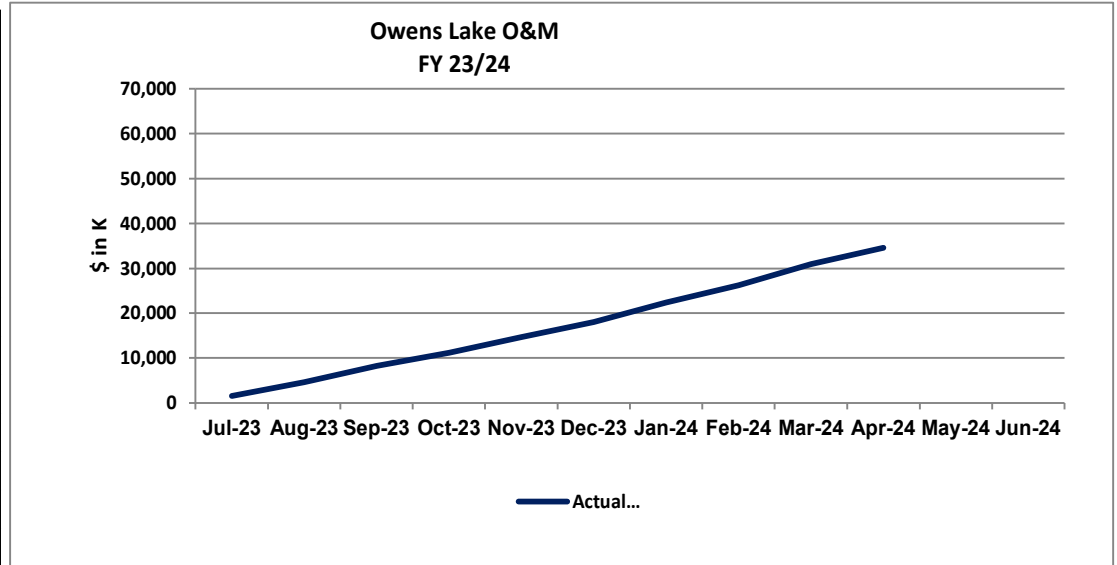
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Board approved annual budget vs. actual expenditures

TARGET & ACCEPTABLE VARIANCE (FY 23/24): N/A – for information only

STATUS: Information Only

FYTD as of:	Actual (\$ in K)
Jul-23	1,594
Aug-23	4,602
Sep-23	8,323
Oct-23	11,186
Nov-23	14,681
Dec-23	18,075
Jan-24	22,368
Feb-24	26,282
Mar-24	30,930
Apr-24	34,599
May-24	
Jun-24	



SOURCE OF DATA: FIs 3022002 and 4013006

1. BACKGROUND / PURPOSE

- Proper operation and maintenance of 48.6 square miles of dust control facilities at Owens Lake is necessary to comply with regulatory requirements. Dust control during the dust season, which lasts from October 16th through June 30th, is a regulatory mandate to ensure air quality in the area. Because regulatory compliance is not required between July 1st through October 15th, large scale summer maintenance activities are key to successful operation during the dust season.

2. ACHIEVEMENTS / MILESTONES MET

- Performed as-needed ongoing brine, tillage, and gravel maintenance.
- Perform as-needed, ongoing lake-wide road maintenance.
- The Keeler Construction Yard's five-year update of the Spill Prevention Control and Countermeasure Plan was approved and finalized in September 2023.
- All five chemical tanks at Managed Vegetation area T8 were replaced by mid-

- September 2023 as part of the 10-year replacement program. 100% complete.
- LORPS Pump #1 troubleshooting commenced at the end of September 2023. It was identified that the motor starter controller had failed. Working with the manufacturer on a temporary fix and permanent retrofit. Specification and requisition to purchase retrofit was started at the end of November 2023. On-going.
- Gopher fumigation activities commenced on September 13, 2023. 100% complete by the end of October 2023.
- T26 Pressure Relief Valve (PRV) and piping system corrosion replacement and rehabilitation work commenced on August 14, 2023. 100% complete September 2023.
- Working towards expanding the mining operations at the Keeler Shale Mining Pit to potentially add 1.5 million cubic yards of permitted shale mining. Working with the Inyo County Planning Department and Bureau of Land Management (BLM) to gain the necessary approvals. Tentative approval of the draft grading plan was approved in mid-July 2023. Coordinating required

environmental assessments with Environmental Affairs. Initial environmental studies began early July 2023 but were postponed because of Tropical Storm Hilary. Field biology surveys were completed in October 2023. Application for a new Free Use Permit was submitted to BLM on November 3, 2023. BLM had an internal kick off meeting on January 23, 2024 to begin working on our new Free Use Permit and approved us to move forward with remaining studies that are needed for the permit. On February 12, 2024 BLM sent over a preliminary MOU to LADWP and our consultant to allow our consultant to create the NEPA document on behalf of BLM.

- Initial lake-wide damage assessment following Tropical Storm Hilary was completed early September 2023. Approximately 8,797 acres experienced minor to major damage (~28% of the OLDMP dust mitigation area). Due to LADWP's aggressive repair schedule, a variance petition was submitted to GBUAPCD in October 2023 (for only 1,246 acres), and an addendum was prepared in November 2023 that further reduce the requested variance limits to 852 acres (~90% reduction relative to the original impact area). Regular variance GB23-01 was granted on December 6, 2023 for DCAs T5-3, T5-3 Addition, and portions of T13-1/T13-1 Addition, T6, T7, and T8.
- T5-3 Addition Hilary Repairs: In March 2024, LADWP continued developing designs and secured permit approvals to begin construction.
- T13-1/T13-1 Addition: Construction of new berms to address major flash flood following 100-yr storm event (Tropical Storm Kay, September 2022) began February 21, 2023. The construction was paused and resumed several times due to the reallocation of resources to address extensive impacts and emergency responses related to 1) unprecedented snowpack and runoff during the 2022/2023 water year; and 2) Tropical Storm Hilary which brought record amounts

of precipitation on August 20 and 21, 2023, widespread flooding and debris flow throughout Inyo County and Owens Lake, and caused significant damage to T13-1/T13-1 Addition shallow flood infrastructure, and its existing and newly constructed berms.

- T13-1/T13-1 Addition Post-Hilary: In February 2024, worked on securing permit approvals to start construction. In March of 2024 LADWP received approval to commence construction. To date roughly 25% of all work has been completed.
- LADWP commenced work on lake-wide stormwater management plan in June 2023. The plan will include assessment of existing flood and siltation control systems; leverage lessons learned from recent peak precipitation and snowmelt driven events, and protective measures recently implemented; identify critical infrastructure; and, if necessary, make recommendations for additional studies to improve infrastructure protection. Hydrologic analysis 100% complete, and hydraulic analysis 95% complete as of 4/30/2024. As a condition of granted variance GB23-01, LADWP must submit an updated Stormwater Management Plan to GBUAPCD by October 16, 2024.
- Soil reclamation irrigation in T36-1 Managed Vegetation began January 2024 and is ongoing.
- Spring fertigation of Managed Vegetation using Urea Ammonium Nitrate (UAN32) began in March 2024 and is ongoing. Fertigation continued in April 2024. Soil ripping and furrow cleaning completed in T30-1 (laterals 1 & 15) Managed Vegetation.

3. **PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION**

- Not applicable – for information only.

4. **MITIGATION PLAN AND / OR
RECOMMENDATIONS**

- Staff will continue to monitor operations and maintenance of dust control activities to ensure efficient and appropriate O&M expenditures.
- Continue to hire staff.

Joint System

LADWP RATES METRIC – *Total LADWP FTEs Against Plan*

RESPONSIBLE MANAGER: Gregory Reed Gregory Reed

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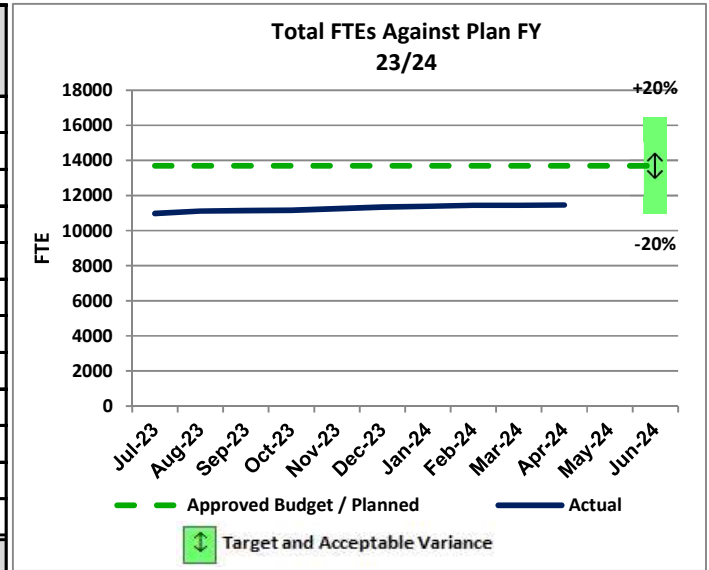
REPORTING PERIOD: APRIL 2024

DEFINITION OF RATES/EQUITY METRIC: Total number of occupied full-time equivalent (FTE) positions vs. annual Authorized Personnel Resolution

TARGET & ACCEPTABLE VARIANCE (FY 23/24): +/- 20%

STATUS: **Within Acceptable Variance**

FYTD as of:	Approved Budget / Planned	Actual	Variance		Re-Estimate (If Applicable)
			FTE	%	
Jul-23	13,713	10,981	-2,732	-19.9%	
Aug-23	13,713	11,116	-2,597	-18.9%	
Sep-23	13,713	11,150	-2,563	-18.7%	
Oct-23	13,713	11,175	-2,538	-18.5%	
Nov-23	13,713	11,257	-2,456	-17.9%	
Dec-23	13,713	11,336	-2,377	-17.3%	
Jan-24	13,713	11,393	-2,320	-16.9%	
Feb-24	13,713	11,439	-2,274	-16.6%	
Mar-24	13,713	11,451	-2,262	-16.5%	
Apr-24	13,713	11,472	-2,241	-16.3%	
May-24	13,713				
Jun-24	13,713				
Acceptable Variance			±	20.0%	



SOURCE OF DATA: Monthly Staffing Report

1. BACKGROUND / PURPOSE

Workforce Development will track LADWP's progress in achieving the staffing levels Necessary to accomplish the strategic goals set forth in the Water and Power Rate Ordinances.

2. ACHIEVEMENTS / MILESTONES MET

MONTHLY ACTIVITY:

External Hires = 51
Attrition = 33
Net New Employees = 18

YEAR-TO-DATE ACTIVITY (23/24):

External Hires = 836
Attrition = 446
Net New Employees = 390

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

The variance is caused by an increased APR for Fiscal Year 23-24. LADWP will continue to remain in the acceptable variance target range as long as occupancy is greater than 10,970 FTEs. The variance is expected to decrease as Power, Water, and Joint Systems fill positions to their approved APR levels.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

Employment Services will continue to monitor the actual occupied positions against the annual Authorized Personnel Resolution.

LADWP RATES METRIC – *Financial and Human Resources Replacement Project (Project) Total Spending Against Plan (Joint)*

RESPONSIBLE MANAGER: Alina Cummings *A. Cummings*
Information Technology Program Management Office

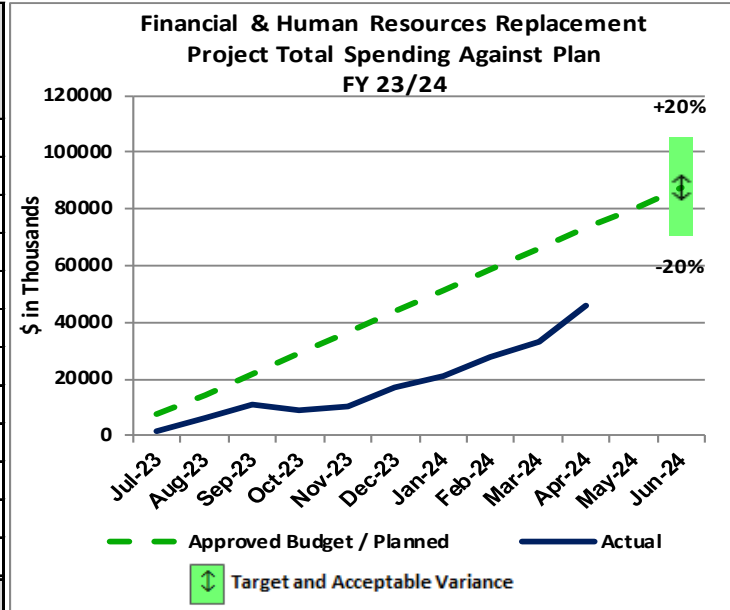
REPORTING PERIOD: April, 2024

DEFINITION OF RATES METRIC: Board approved annual budget vs. actual expenditure (\$ thousand)

TARGET & ACCEPTABLE VARIANCE (FY 23/24): +/-20% of FY 23/24 Board Approved Budget

STATUS: **Outside Acceptable Variance**

FYTD as of:	Approved Budget / Planned	Actual	Variance		Re-Estimate (If Applicable)
			\$ in Thousands	%	
Jul-23	7,308	1,221	-6,087	-83.3%	
Aug-23	14,617	6,356	-8,261	-56.5%	
Sep-23	21,925	10,655	-11,270	-51.4%	
Oct-23	29,234	9,005	-20,229	-69.2%	
Nov-23	36,542	10,504	-26,038	-71.3%	
Dec-23	43,850	17,258	-26,592	-60.6%	
Jan-24	51,159	20,769	-30,390	-59.4%	
Feb-24	58,467	27,532	-30,935	-52.9%	
Mar-24	65,776	33,323	-32,453	-49.3%	
Apr-24	73,084	45,887	-27,197	-37.2%	
May-24	80,392				
Jun-24	87,794				
Acceptable Variance			± 20%		



SOURCE OF DATA: FI 29401 and 28189

1. BACKGROUND/PURPOSE

- This Software as a Service (SaaS) Project established the Department's (Dept.) integrated Enterprise Resource Planning (ERP) Program consisting of Financial, Payroll and Human Resources Management
- The ERP program is an enterprise-level initiative to enable the Dept. to update/improve its business processes & support its strategic goals by migrating/replacing outdated technologies & platforms to an integrated & sustainable set of modern, robust & easy-to-use Software (SW) solutions
- To establish the ERP project, the Dept. engaged in a two-stage procurement process:
 - Stage One: Request for Qualification for best fit SW: "Workday" was selected
 - Stage Two: Piggybacked off City of LA System Integrator (SI) contract with Workday

2. ACHIEVEMENTS/MILESTONES MET

- June 22 to July 9, 2020: Shortlist Demo & Interviews conducted
- July 29, 2020: Workday SaaS Selected
- September, 2020: Determination to piggyback on the City of LA's SI contract and open negotiations with Workday for statement of work/contract development
- March 9, 2021: ERP contract negotiations & Statement of Work development concludes
- April 15, 2021: ERP Project Kicked-Off

- March 24, 2022: ERP HR/Payroll Planning Stage Completion
- January 19, 2023: ERP Financial Management Planning Stage Completion
- May 9, 2023: ERP HR/Payroll Architect Stage Completion
- October 6, 2023: ERP HR/Payroll Configure and Prototype Stage Completion

3. PERFORMANCE/VARIANCE ANALYSIS

& YEAR END PROJECTION

- HR/Payroll Testing Stage, continues to progress (61% complete)
- Financial Management Architect Stage continues to progress (99% complete)
- Financial Management Configure and Prototype Stage continues to progress in parallel (63% complete)
- Due to overall delays in HR/Payroll and Financial Management (Phases II and III) contract spending for Professional Services are projected to be underspent \$30 million by end of FY 23/24
- \$2.1 Million was moved in FI 98189 using CE 20 further increasing variance in the budget vs actuals
- Budgeted expenses were lower than expected in FY 23/24 due to delayed deliverables completion and labor constraints

Within Acceptable Variance Outside Acceptable Variance Exceeds Target Needs Attention

- The project timeline was delayed one year, increasing project costs by \$23.7 million, due to constraints in planning, designing, and testing running longer than expected. The new go live date for the HR/Payroll project is January 2025 and the new go live date for the Financial Management project is July 2025

4. **MITIGATION PLAN AND/OR RECOMMENDATIONS**

- Continue proceeding with achieving ERP Program milestones by utilizing tools that enable remote access, such as WebEx, in lieu of face to face meetings. Use of these tools enable the project to continue due to continued telecommuting by many project members (including Workday staff)
- The \$2.1 million reimbursement is related to Ivalua cancellation. This should not occur again or need for further mitigation
- Continue to work through and move delayed deliverables forward. During the third quarter of FY 23/24 invoices totaling \$5.4 million were paid

LADWP RATES METRIC – *Financial and Human Resources Replacement Project Progress Against Schedule (Joint)*

RESPONSIBLE MANAGER: Alina Cummings *A. Cummings*
Information Technology Program Management Office

REPORTING PERIOD: April, 2024

DEFINITION OF RATES METRIC: FS & HRMS Project Milestones vs. Compliance Deadlines

TARGET & ACCEPTABLE VARIANCE (FY 23/24): N/A

STATUS **Information Only**

Milestone/Deadline Description	Planned	Actual
ERP Draft RFQ Released to Steering Committee for Review	October 4, 2019	October 4, 2019
ERP RFQ Draft approved by the LADWP General Manager	October, 2019	October 23, 2019
ERP RFQ Draft approved by the Steering Committee	October, 2019	October 30, 2019
ERP Software (SW) RFQ Released	November 19, 2019	November 19, 2019
ERP SW Bidders' Conference	December 4, 2019	December 4, 2019
ERP SW RFQ Responses Due	January 14, 2020	January 14, 2020
Response Evaluation & Demos	April, 2020	June 22-July 9, 2020
ERP Software Selection Made	May, 2020	July 2020
Decision to piggyback on City of LA's System Integrator contract made	September 2020	September 2020
ERP Contract Negotiations & Statement of Work Development	February, 2021	March 9, 2021
ERP Project Kick-Off	April 2021	April 15, 2021
ERP HR/Payroll Planning Stage Completion	September 2021	March 24, 2022
ERP HR/Payroll Architect Stage Completion	April 2022	May 9, 2023
ERP HR/Payroll Configure and Prototype Stage Completion	December 2022	October 6, 2023
ERP HR/Payroll Testing Stage Completion	September 2024	
ERP Deployment of HR and Payroll Modules (Phase II*)	January 2025	
ERP Financials Planning Stage Completion	May, 2022	January 19, 2023
ERP Financials Architect Stage Completion	December 2023	
ERP Financials Configure and Prototype Stage Completion	July 2024	
ERP Financials Testing Stage Completion	May 2025	
ERP Deploy of Financials Module (Phase III*)	July 2025	

SOURCE OF DATA: FI 29401 and 28189

*Project phases updated from Phase I and Phase II to Phase II and Phase III, respectively, to match other project documentation.

1. BACKGROUND/PURPOSE

- This Software as a Service (SaaS) Project established the Department's (Dept.) integrated Enterprise Resource Planning (ERP) Program consisting of Financial, Payroll and Human Resources Management
- The ERP program is an enterprise-level initiative to enable the Dept. to update/improve its business processes & support its strategic goals by migrating/replacing outdated technologies & platforms to an integrated & sustainable set of modern, robust & easy-to-use Software (SW) solutions
- To establish the ERP project, the Dept. engaged in a two-stage procurement process:
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- January 19, 2023: ERP Financial Management Planning Stage Completion
- May 9, 2023: ERP HR/Payroll Architect Stage Completion
- October 6, 2023: ERP HR/Payroll Configure and Prototype Stage Completion

2. ACHIEVEMENTS/MILESTONES MET

- June 22 to July 9, 2020: Shortlist Demo & Interviews conducted
- July 29, 2020: Workday SaaS Selected

3. PERFORMANCE/VARIANCE ANALYSIS & YEAR END PROJECTION

- HR/Payroll Testing Stage, continues to progress (61% complete)
- Financial Management Architect Stage continues to progress (99% complete)
- Financial Management Configure and Prototype Stage continues to progress in parallel (63% complete)

Within Acceptable Variance Outside Acceptable Variance Exceeds Target Needs Attention

- The project timeline was delayed one year due to constraints in planning, designing, and testing running longer than expected. The new go live date for the HR/Payroll project is January 2025 and the new go live date for the Financial Management project is July 2025

4. **MITIGATION PLAN AND/OR RECOMMENDATIONS**

- Continue proceeding with achieving ERP Program milestones by utilizing tools that enable remote access, such as WebEx, in lieu of face to face meetings. Use of these tools enable the project to continue due to continued telecommuting by many project members (including Workday staff)
- Continue to work through and move delayed deliverables forward. During the third quarter of FY 23/24 invoices totaling \$5.4 million were paid

LADWP RATES METRIC – *Cyber Security Capital (Joint)*

RESPONSIBLE MANAGER: Marco Elizarraras

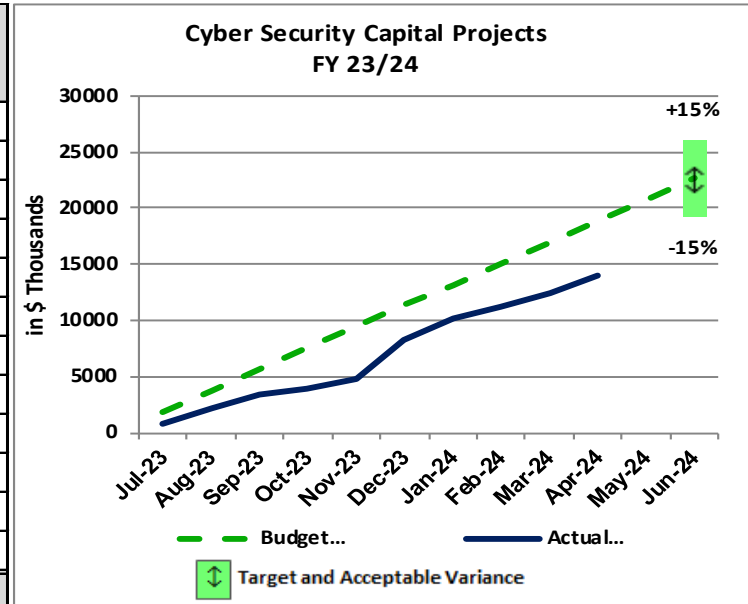
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Board Approved Annual Budget vs. Actual Expenditures

TARGET & ACCEPTABLE VARIANCE (FY 23/24): FY 23/24 Board Approved Budget (+/- 15%)

STATUS: **Outside Acceptable Variance**

FYTD as of:	Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate (If Applicable)
			\$ in K	%	
Jul-23	1,886	727	-1,159	-61.4%	
Aug-23	3,772	2,172	-1,600	-42.4%	
Sep-23	5,658	3,439	-2,219	-39.2%	
Oct-23	7,544	3,915	-3,629	-48.1%	
Nov-23	9,430	4,699	-4,731	-50.2%	
Dec-23	11,316	8,186	-3,130	-27.7%	
Jan-24	13,202	10,235	-2,967	-22.5%	
Feb-24	15,088	11,248	-3,840	-25.4%	
Mar-24	16,974	12,406	-4,568	-26.9%	
Apr-24	18,860	13,949	-4,911	-26.0%	
May-24	20,746				
Jun-24	22,632				
Acceptable Variance			± 15%		



SOURCE OF DATA: FI 28870

1. BACKGROUND / PURPOSE

Cybersecurity threat landscape continue to evolve rapidly, especially with the adoption of cloud. Enterprise Cyber Security is engaging in a number of initiatives to enhance and re-engineer LADWP's cybersecurity systems and processes to meet business needs and address potential cyber threats.

2. ACHIEVEMENTS / MILESTONES MET

- Between July 2023 and September 2023:
 - Part of the effort to mature the Cybersecurity posture and mitigate risks, during the first quarter, 61 applications were integrated with Enterprise Multi-Factor Authentication.
 - Completed LADWP's PCI DSS Compliance Assessment and KPMG Financial Statement Audit for IT Controls.
- At the end of October 2023, implemented Microsoft Defender endpoint protection on most LADWP managed laptops and desktops in the IT environment.

- Between Nov 2023 and Jan 2024:
 - Completed a Critical Vulnerability Assessment (CVA) on our Power System.
 - Currently working on a sustainable process to conduct yearly CVAs.
- Between Feb 2024 and April 2024:
 - Initiated a new Task Order Request for Proposal (TORP) to build out our Cyber Risk Dashboard.
 - Initiated a new TORP to for ISOC (Integrated Security Operations Center).

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

New TORPs have been issued that will address the variance in the CE37/Professional Services budget. Re-alignment of O&M and Capital Labor costs is being addressed as some of the capital projects will now be switched to O&M during the FY 24-25.

4. MITIGATION PLAN AND / OR
RECOMMENDATIONS

We will continue to work with vendors, Supply Chain services, and Accounts Payable Section to address billing related issues. Additionally, we are exploring additional contracting or purchasing vehicles to allow for additional planned cyber related purchases for FY 24-25.

Marco A. Elizarraras

LADWP RATES METRIC – *Customer Information System Upgrades (Joint)*

RESPONSIBLE MANAGER: Annamae Peji

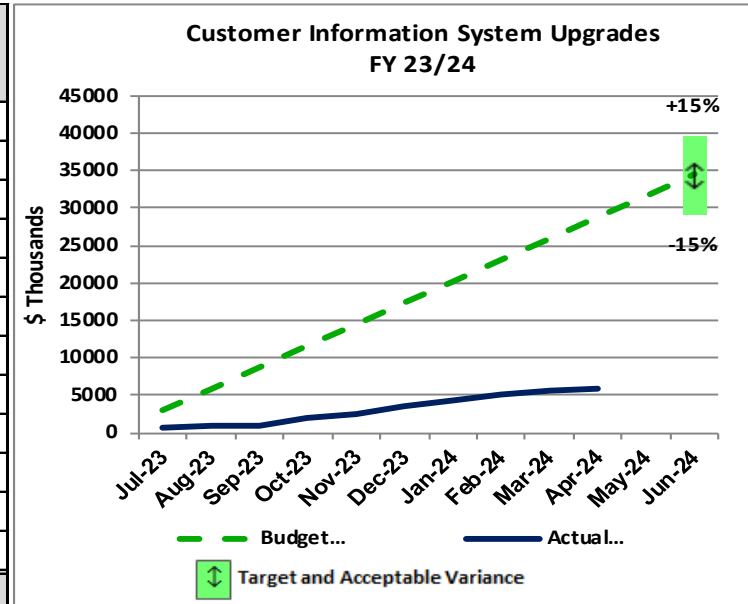
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Board Approved Annual Budget vs. Actual Expenditures

TARGET & ACCEPTABLE VARIANCE (FY 23/24): FY 23/24 Board Approved Budget (+/- 15%)

 STATUS: **Outside Acceptable Variance**

FYTD as of:	Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate (If Applicable)
			\$ in K	%	
Jul-23	2872	540.9	-2331	-81.2%	
Aug-23	5744	793.4	-4951	-86.2%	
Sep-23	8616	1014.1	-7602	-88.2%	
Oct-23	11488	1876.6	-9611	-83.7%	
Nov-23	14360	2607	-11753	-81.8%	
Dec-23	17232	3452.9	-13779	-80.0%	
Jan-24	20104	4319.7	-15784	-78.5%	
Feb-24	22976	5034	-17942	-78.1%	
Mar-24	25848	5648.7	-20199	-78.1%	
Apr-24	28720	5878.4	-22842	-79.5%	
May-24	31592				
Jun-24	34467				
Acceptable Variance			± 15%		



SOURCE OF DATA: FI 28915

1. BACKGROUND / PURPOSE

The Customer Information System supports the LADWP's customer billing functions and consists of; Customer Care and Billing (CC&B), Mobile Workforce Management (MWM), Meter Data Management (MDM), integration applications supporting over 50 interfaces with external systems, Field Collection System (FCS) and Bill and Letter print formatting. CIS will be upgraded and enhanced to improve efficiencies and provide new functionality in support of the Department's objectives.

2. ACHIEVEMENTS / MILESTONES MET

Completed Development for all CCB code as of 8/2023 for the Merchant Services (transition from Wells Fargo to JP Morgan Chase/Paymentus) project. Unit Testing phase in progress as of 10/2023. Organizational Readiness discussions have also started in 10/2023.

As of 10/2023, assessments related to Billing Exceptions, Temporary Workarounds and Hot Fixes are still continuing and being discussed with Customer Service Division (CSD) to determine improvements that can be made as part of Customer Cloud Services (CCS) migration project or if there are items that can be done in current CCB implementation.

Conducted assessment of current MWM application components to determine high-level impacts and level of effort to migrate MWM to Oracle Field Service Cloud (OFS). The completed assessment report was also presented to the Business units to confirm validity and correctness of the assessment. Assessment work was completed end of 9/2023.

Identified scope and conducted scope statement review with the CCS Project team to determine scope for the CCS project. Preliminary project schedule was developed. Began onboarding of CCS project resources in 9/2023. Completed Unit Testing phase for the

Merchant Services (transition from Wells Fargo to JP Morgan Chase/Paymentus) project in November 2023. Began Regression Testing phase in November 2023 which includes Web, CC&B and Paymentus components. Onboarded resource to assist with Organizational Readiness tasks in January 2024.

Pre-kickoff project activities related to the CC&B migration to the Customer Cloud Service (CCS) application are continuing. Continued onboarding of CCS project resources from Oracle vendor who is leading the project. Workshop materials were prepared. Project kickoff with IT resources was conducted in November 2023. Series of workshops for IT resources related to Integration, Infrastructure and Reports were conducted in December and January. Project kickoff with Business Resources was held in January 2024 after this was deferred for a few months while determining the resources that would be needed to participate in the project.

Began Systems Integration testing phase for the Merchant Services (transition from Wells Fargo to JP Morgan Chase/Paymentus) project in February 2024. Completed Regression Testing phase which includes Web, CC&B and Paymentus components in March 2024. Continued with Organization Readiness tasks and preparing test cases for UAT.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

Underrun is due to the delay in the approval of Amendment 4 of the Oracle contract 47372B-6 which expired on 1/19/2024. Without the contract for professional services, the related work to continue with the implementation of Customer Cloud Service (CCS) migration had to be put on hold.

The underrun is also due to the delay in the purchase of CCS software licenses and related technology which are caused by issues with the procurement process for the contract to

purchase said licenses, which require additional City Attorney review.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

The Oracle contract (47372B-6) related to this FI/Job expired on January 19, 2024. All necessary documents to support the request to amend the contract has been submitted prior to the January 2024 contract expiration date.

ITS has worked closely with LADWP Legal to provide additional justification memo requested by the City Attorney to support the amendment request, and to support the contract to purchase software licenses and related technology.

Board of Water and Power Commissioners approved the request for Amendment of the contract on 3/26/2024 after City Attorney provided approval to add the item to the LADWP Board Agenda. After completing Board approval, preliminary consent to the Contract Amendment was also provided by the City Council Energy and Environment Committee on 4/12/2024. Final approval by the City Council is now pending.

All paperwork related to the procurement of a GM Awarded contract for the 1st year of CCS software license has been submitted, pending City Attorney review.

CCS project activities are on hold and cannot proceed without the contract amendment in place and the approval of the GM Awarded contract to procure software licenses.

LADWP RATES METRIC – *Information Technology Services (ITS)* *Staffing Program (Joint)*

RESPONSIBLE MANAGER: Mona Guirguis

Mona Guirguis

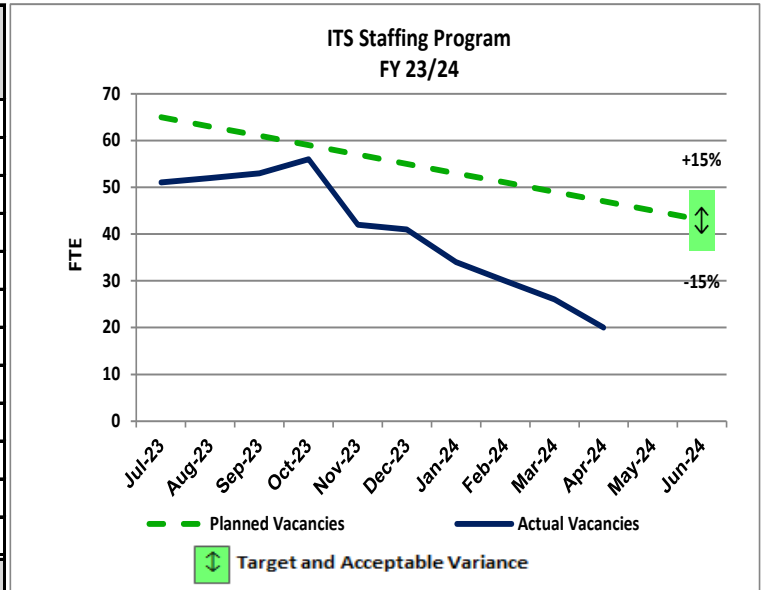
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Number of Full Time Equivalents (FTEs) for ITS employed as compared to plan

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Vacant budgeted ITS positions at 50 vacancies or less by the end of the fiscal year (+/- 15%)

STATUS: **Within Acceptable Variance**

FYTD as of:	Planned Vacancies	Actual Vacancies	Variance		Re-Estimate (If Applicable)
			FTEs	%	
Jul-23	65	51	-14	-21.5%	
Aug-23	63	52	-11	-17.5%	
Sep-23	61	53	-8	-13.1%	
Oct-23	59	56	-3	-5.1%	
Nov-23	57	42	-15	-26.3%	
Dec-23	55	41	-14	-25.5%	
Jan-24	53	34	-19	-35.8%	
Feb-24	51	30	-21	-41.2%	
Mar-24	49	26	-23	-46.9%	
Apr-24	47	20	-27	-57.4%	
May-24	45				
Jun-24	43				
Acceptable Variance			± 15%		



SOURCE OF DATA: Hiring Plan/Annual Personnel Resolution and LADWP Monthly Staffing Report

Method of Calculation: Reported Actual Vacancies = Approved Headcount less Adjusted Occupancy (excludes Trainee Classifications)

1. BACKGROUND / PURPOSE

Ensure that Information Technology Services (ITS) hires enough resources to provide support for existing and future IT-related projects across LADWP.

2. ACHIEVEMENTS / MILESTONES MET

As of April 2024, ITS has had 145 internal and 85 external hires, with a net new employee count of 60 despite a higher than usual attrition count of 25. Our trainees in the Applications Programmer/IT Specialist class continue to successfully promote and transition to permanent entry level positions providing a sustainable pipeline of candidates.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

Hiring has been largely affected by delays in the establishment or refresh of critical Civil Service lists by the Personnel Department. Additionally, new lists being established for some of the most technical IT classes are often short and are exhausted faster than the refresh rate.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

ITS will continue with its mass hiring strategy for trainee and entry level positions and pursue changes (with Human Resources Division's assistance) to the certification list for targeted critical Civil Service classes in order to access Open list candidates faster.

Outreach to engage future IT graduates continues. ITS currently has 11 exempt Student Professional Workers on payroll.

LADWP RATES METRIC – LADWP EMPLOYEE COST BUDGET VS. ACTUAL (LADWP)

RESPONSIBLE MANAGER: LADWP Senior Management

REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: LADWP employee costs (including regular labor, overtime, pension and healthcare, excluding daily exempt and Utility Pre-Craft Trainee) budget vs. actual (\$ in thousands)

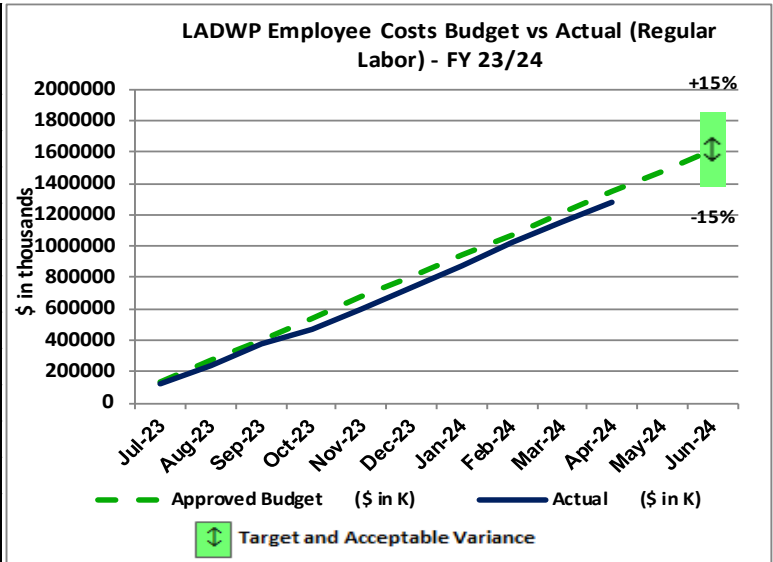
TARGET & ACCEPTABLE VARIANCE (FY 23/24): +/- 15%

SOURCE OF DATA: ORACLE (HPBUDGET) - Rates Metrics Report

REGULAR LABOR STATUS:

Within Acceptable Variance

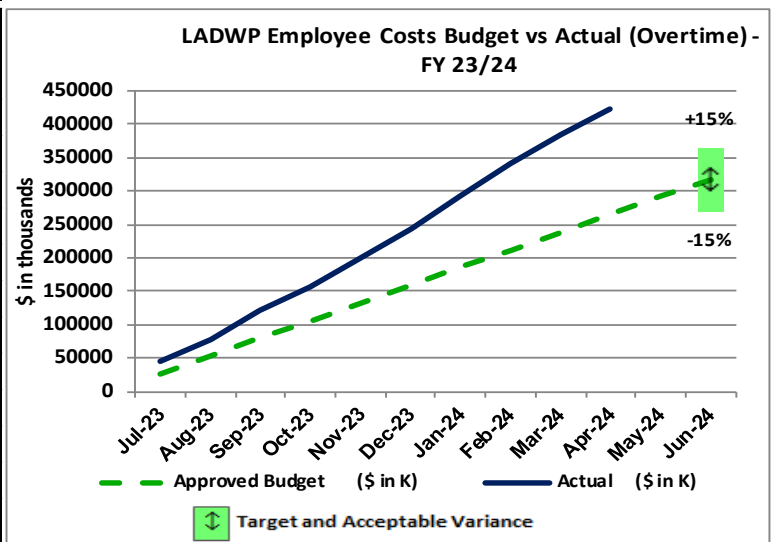
FYTD as of:	Approved Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate (If Applicable)
			\$ in K	%	
Jul-23	134,635	122,530	-12,105	-9.0%	
Aug-23	269,271	234,839	-34,432	-12.8%	
Sep-23	403,906	372,105	-31,801	-7.9%	
Oct-23	538,541	472,266	-66,275	-12.3%	
Nov-23	673,176	594,509	-78,667	-11.7%	
Dec-23	807,812	734,071	-73,741	-9.1%	
Jan-24	942,447	873,370	-69,077	-7.3%	
Feb-24	1,077,082	1,019,859	-57,223	-5.3%	
Mar-24	1,211,717	1,153,417	-58,300	-4.8%	
Apr-24	1,346,353	1,281,843	-64,510	-4.8%	
May-24	1,480,988				
Jun-24	1,615,623				
Acceptable Variance			± 15%		



OVERTIME STATUS:

Outside Acceptable Variance

FYTD as of:	Approved Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate (If Applicable)
			\$ in K	%	
Jul-23	26,451	45,469	19,018	71.9%	
Aug-23	52,903	78,866	25,963	49.1%	
Sep-23	79,354	121,783	42,429	53.5%	
Oct-23	105,806	156,515	50,709	47.9%	
Nov-23	132,257	199,362	67,105	50.7%	
Dec-23	158,709	243,616	84,908	53.5%	
Jan-24	185,160	291,719	106,559	57.5%	
Feb-24	211,611	341,457	129,846	61.4%	
Mar-24	238,063	383,907	145,844	61.3%	
Apr-24	264,514	423,121	158,607	60.0%	
May-24	290,966				
Jun-24	317,417				
Acceptable Variance			± 15%		



YTD as of April 2024					
Employee Cost Category	Budget (\$ in K)	Actual (\$ in K)	Var (\$ in K)	Variance %	FY 23/24 Approved
Regular Labor	1,346,353	1,281,843	-64,510	-4.8%	1,615,623
Overtime	264,514	423,121	158,607	60.0%	317,417
Regular Labor + Overtime	1,610,867	1,704,964	94,097	5.8%	1,933,040
Health Care Allocation	332,943	334,055	1,112	0.3%	399,532
Retirement & Death Benefit	372,254	355,871	-16,383	-4.4%	446,705
Total	2,316,064	2,394,890	78,826	3.4%	2,779,277

LADWP RATES METRIC – *Total Number of Water Distribution Employees per Water Customer Meter (Water)*

RESPONSIBLE MANAGER: Corporate Performance

REPORTING PERIOD: April 2024

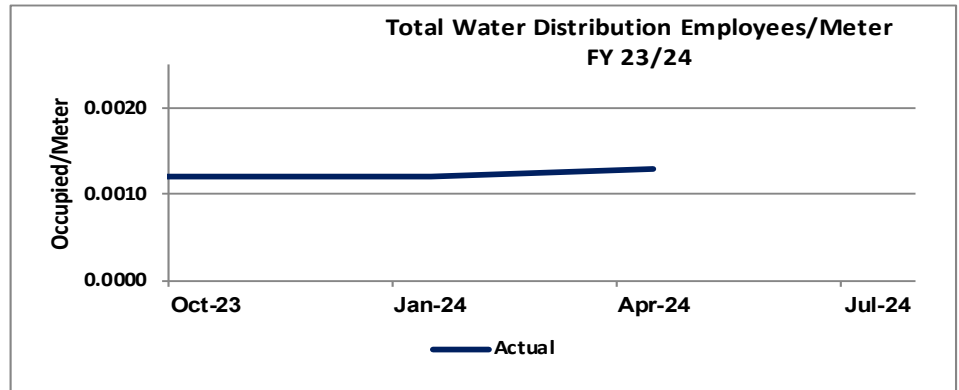
DEFINITION OF RATES METRIC: Total number of water distribution employees (excluding daily exempt and utility pre-craft trainees) per water customer meters

TARGET & ACCEPTABLE VARIANCE (FY 23/24): No Target

STATUS:

Information Only

FYTD as of:	Actual
Oct-23	0.0012
Jan-24	0.0012
Apr-24	0.0013
Jun-24	



SOURCE OF DATA: LADWP Monthly Staffing Report, Customer Care and Billing (CCB) System

1. BACKGROUND / PURPOSE

On August 20 2021, the Board of Water and Power Commissioners approved Resolution 022040 adding the Total Number of Water Distribution Employees per Water Customer Meter metric to the LADWP Rates Metrics. This metric measures the total number of water distribution employees (excluding daily exempt and utility pre-craft trainees) per water customer meter. This metric does not have a target and is provided as Information Only.

2. ACHIEVEMENTS / MILESTONES MET

Data for the Total Number of Water Distribution Employees is obtained from the LADWP Monthly Staffing Report provided by Human Resources Division.

Data for the Total Number of Water Meters is obtained through a query of the CCB system and provided by Information Technology Services. It is important to note that the data for total number of water meters is point-in-time which means that the data represents the number of meters at the exact date and time the query was executed. Additionally, data for

the number of water meters cannot be obtained for past dates and times.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

Total Number of Water Distribution Employees (excluding daily exempt and utility pre-craft trainees) as of April 2024 = 896

	10/23	01/24	04/24	06/24
Water	858	884	896	

Total Number of Water Meters as of April 2024 = 715,912

	10/23	01/24	04/24	06/24
Water	715,413	715,688	715,912	

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

Continue to provide this dashboard to the Board of Water and Power Commissioners and the Office of Public Accountability for review.

LADWP RATES METRIC – *Total Number of Power Distribution Employees per Power Customer Meter (Power)*

RESPONSIBLE MANAGER: Corporate Performance

REPORTING PERIOD: April 2024

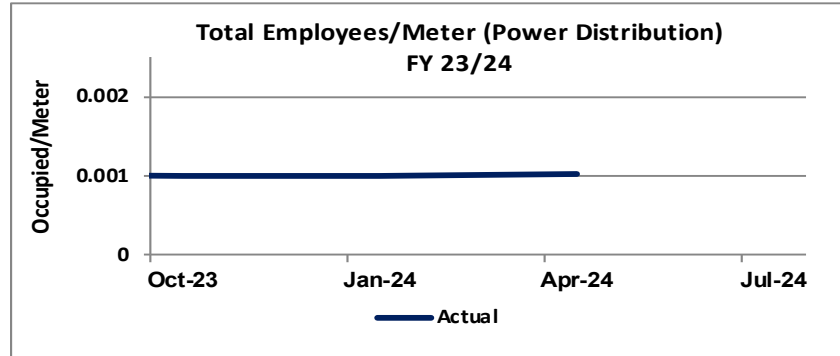
DEFINITION OF RATES METRIC: Total number of power distribution employees (excluding daily exempt and utility pre-craft trainees) per electric customer meters

TARGET & ACCEPTABLE VARIANCE (FY 23/24): No Target

STATUS:

Information Only

FYTD as of:	Actual
Oct-23	0.0010
Jan-24	0.0010
Apr-24	0.0010
Jun-24	



SOURCE OF DATA: LADWP Monthly Staffing Report, Customer Care and Billing (CCB) System

1. BACKGROUND / PURPOSE

On August 20 2021, the Board of Water and Power Commissioners approved Resolution 022040 adding the Total Number of Power Distribution Employees per Power Customer Meter metric to the LADWP Rates Metrics. This metric measures the total number of power distribution employees (excluding daily exempt and utility pre-craft trainees) per power customer meter. This metric does not have a target and is provided as Information Only.

2. ACHIEVEMENTS / MILESTONES MET

Data for the Total Number of Power Distribution Employees is obtained from the LADWP Monthly Staffing Report provided by Human Resources Division.

Data for the Total Number of Power Meters is obtained through a query of the CCB system and provided by Information Technology Services. It is important to note that the data for total number of power meters is point-in-time which means that the data represents the number of meters at the exact date and time the query was executed. Additionally, data for the number of power meters cannot be obtained for past dates and times.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

Total Number of Power Distribution Employees (excluding daily exempt and utility pre-craft trainees) as of April 2024 = 1,687

	10/23	01/24	04/24	06/24
Power	1,675	1,644	1,687	

Total Number of Power Meters as of April 2024 = 1,635,749

	10/23	01/24	04/24	06/24
Power	1,630,933	1,633,191	1,635,749	

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

Continue to provide this dashboard to the Board of Water and Power Commissioners and the Office of Public Accountability for review.

LADWP RATES METRIC – *Total Number of Water and Power Employees per Customer Meter (Joint)*

RESPONSIBLE MANAGER: Corporate Performance

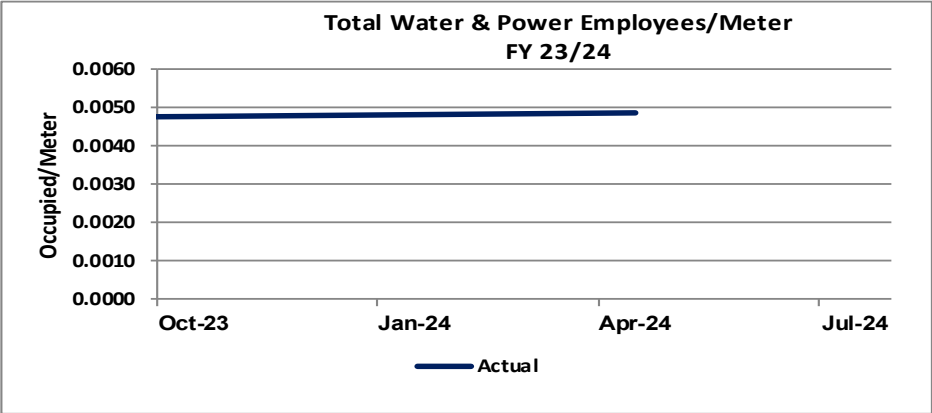
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Total number of water and power employees (excluding daily exempt and utility pre-craft trainees) per water and power meters

TARGET & ACCEPTABLE VARIANCE (FY 23/24): No Target

STATUS: Information Only

FYTD as of:	Actual
Oct-23	0.0048
Jan-24	0.0049
Apr-24	0.0049
Jun-24	



SOURCE OF DATA: LADWP Monthly Staffing Report, Customer Care and Billing (CCB) System

1. BACKGROUND / PURPOSE

On May 5, 2017, the Board of Water and Power Commissioners approved Resolution 017252 adding the Total Number of Water and Power Employees per Customer Meter metric to the LADWP Rates Metrics. This metric measures the total number of water and power employees (excluding daily exempt and utility pre-craft trainees) per water and power meter. This metric does not have a target and is provided as Information Only.

2. ACHIEVEMENTS / MILESTONES MET

Data for the Total Number of Water and Power Employees is obtained from the LADWP Monthly Staffing Report provided by Human Resources Division.

Data for the Total Number of Water and Power Meters is obtained through a query of the CCB system and provided by Information Technology Services. It is important to note that the data for total number of water and power meters is point-in-time which means that the data represents the number of meters at the exact date and time the query was executed. Additionally, data for the

number of water and power meters cannot be obtained for past dates and times.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

Total Number of Water and Power Employees (excluding daily exempt and utility pre-craft trainees) as of April 2024 = 11,472

	10/23	01/24	04/24	06/24
Power	5,182	5,234	5,246	
Water	2,209	2,221	2,226	
Joint	3,784	3,938	4,000	
Total	11,175	11,393	11,472	

Total Number of Water and Power Meters as of April 2024 = 2,351,661

	10/23	01/24	04/24	06/24
Power	1,630,933	1,633,191	1,635,749	
Water	715,413	715,688	715,912	
Total	2,346,346	2,348,879	2,351,661	

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

Continue to provide this dashboard to the Board of Water and Power Commissioners and the Office of Public Accountability for review.

LADWP RATES METRIC – GHG Emissions Reduction Ratio (Joint)

RESPONSIBLE MANAGER: Katherine Rubin Digitally signed by Katherine Rubin
Date: 2024.06.10 17:31:34 -07'00' **REPORTING PERIOD:** As of April 2024

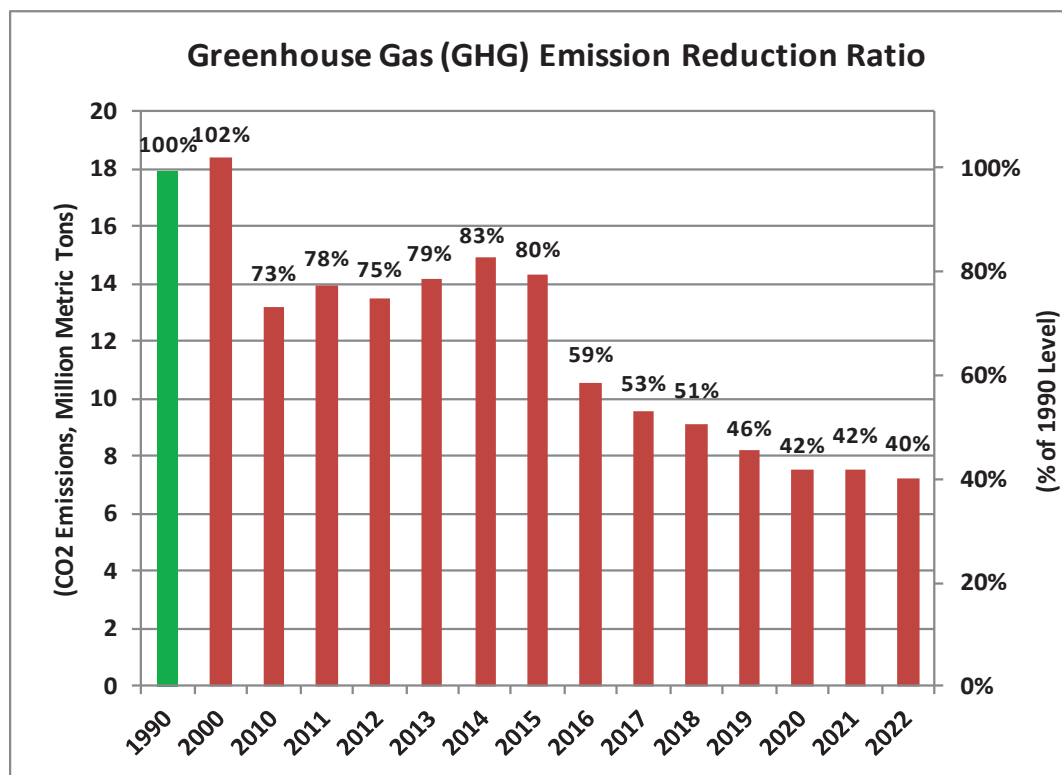
DEFINITION OF RATES METRIC: Current Year GHG Emissions / 1990 GHG Emissions (in million metric tons)

TARGET & ACCEPTABLE VARIANCE (CY 2024): 60% below = 40% of 1990 LADWP GHG emission baseline; Variance + 5%

STATUS: Within Acceptable Variance

Note: CO2 is 99.9% of total GHG emissions. Annual emissions are CO2 only for comparison with the 1990 baseline which is CO2 emissions only (not total GHG).

Historical Trend:		
CY	CO2 Emissions (Metric Tons)	% of 1990 CO2 Emissions
1990	17,925,410	100%
2000	18,373,127	102%
2010	13,165,764	73%
2011	13,900,590	78%
2012	13,519,339	75%
2013	14,174,036	79%
2014	14,911,781	83%
2015	14,312,947	80%
2016	10,566,904	59%
2017	9,554,640	53%
2018	9,077,848	51%
2019	8,230,332	46%
2020	7,528,640	42%
2021	7,527,570	42%
2022	7,236,799	40%



SOURCE: Internal LADWP GHG emissions inventory based on The Climate Registry voluntary reporting protocol, CARB GHG emission reports and Power Source Disclosure/Power Content Label data (audited).

1. POLICY / PURPOSE

- The State of California has set goals to reduce GHG emissions to 1990 levels by 2020, 40% below 1990 by 2030, and 85% below 1990 by 2045. GHG reduction efforts from the electricity sector, including LADWP, are a critical component in meeting these statewide goals.
- California Senate Bill 100 (De Leon, 2018) set a target to supply end-use customers with 60% renewable energy by 2030, and 100% zero-carbon electricity by 2045.
- In 2018, California Governor Jerry Brown signed Executive Order B-55-18 setting a goal for California to achieve carbon neutrality by 2045.
- California Assembly Bill 1279 (Muratsuchi, 2022) establishes state policy to achieve net zero GHG emissions no later than 2045 and reduce anthropogenic GHG emissions to at least 85% by 2045.

2. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

- No variance explanation needed.

3. LADWP ACHIEVEMENTS / MILESTONES

- Early divestiture of Navajo Generating Station effective July 1, 2016.
- Beginning January 1, 2016, LADWP incorporated carbon cost into the economic dispatch of its generating units, which prioritized use of zero GHG and natural gas over coal resources.
- LADWP's electricity supply in 2022 included 35.6% renewable energy based on LADWP's Power Content Label.
- LADWP's 2022 CO2 emissions are 60% below its 1990 emissions baseline.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

- No mitigation needed. GHG emissions have been significantly reduced as a result of the measures listed under #3.

LADWP RATES METRIC – Energy Savings Variance Report (Joint)

RESPONSIBLE MANAGER: David Jacot

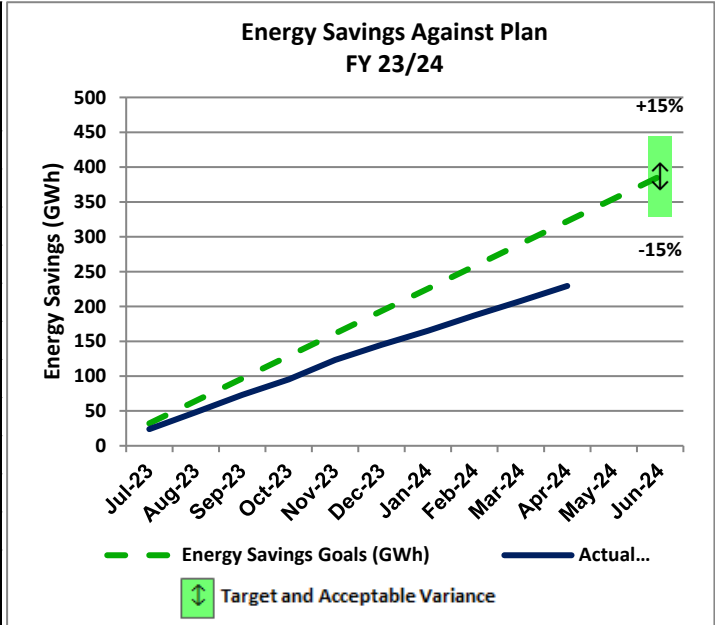
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Energy Savings Against Plan

TARGET & ACCEPTABLE VARIANCE (FY 23/24): GWh Installed Compared to 2020 baseline/GWh for all customers +/- 15%

STATUS: Outside Acceptable Variance

FYTD as of:	Energy Savings Goals (GWh)	Actual (GWh)	Variance		Re-Estimate (If Applicable)
			GWh	%	
Jul-23	32.2	24.0	-8	-25.5%	
Aug-23	64.5	48.1	-16	-25.4%	
Sep-23	96.7	73.2	-24	-24.3%	
Oct-23	128.9	95.4	-34	-26.0%	
Nov-23	161.2	123.3	-38	-23.5%	
Dec-23	193.4	144.9	-49	-25.1%	
Jan-24	225.6	165.1	-61	-26.8%	
Feb-24	257.9	187.1	-71	-27.5%	
Mar-24	290.1	207.9	-82	-28.3%	
Apr-24	322.3	229.4	-93	-28.8%	
May-24	354.6				
Jun-24	386.8				
Acceptable Variance			± 15%		



SOURCE OF DATA: Efficiency Solutions KPI FY 23-24 Report

1. BACKGROUND / PURPOSE

Efficiency Solutions' (ES) energy savings goals are a key performance metric related to the Energy Cost Adjustment Factor, a critical power rate component. Energy Savings are compiled monthly into a Key Performance Indicators database encompassing measures installed by participants in ES programs and initiatives. The OPA has requested this metric be reported to the Board and the OPA on a regular basis, ensuring actual savings are tracking established targets.

2. ACHIEVEMENTS / MILESTONES MET

Energy Efficiency Programs have slowly ramped up in FY 23-24. The Comprehensive Affordable Multi-Family Retrofits (CAMR) Program has received 152 interest forms, equating to 289 properties. The Consumer Rebate Unit has gone live with an increased incentive of

\$300 per ton for the purchase of qualified HVAC Central Heat Pumps. The Home Energy Improvement Program (HEIP) successfully completed data input and verification process for the 186 completed December installations. This accomplishment comes after the transition from the Enhome software to Customer Connect, a pivotal move that has empowered both the Power Construction and Maintenance and USS teams to implement robust quality assurance checkpoints.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

Energy efficiency program activities started the FY 23-24 with 24 GWh energy savings and is now at 229.4 GWh total energy savings, fiscal year to date. Energy savings are expected to increase this FY with CAMR program anticipating incentive payments in the coming months. Also, CII program

Within Acceptable Variance Outside Acceptable Variance Exceeds Target Needs Attention

revisions with increased incentive rates anticipates increased participation in programs. Codes and Standards contract is currently in progress and once in place will update Codes and Standards numbers.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

The hiring process for Utility Services Specialist (USS) positions was completed and 20 new USS started on March 25, 2024.

LADWP RATES METRIC – BUDGET VARIANCE ENERGY EFFICIENCY (JOINT)

RESPONSIBLE MANAGER: David Jacot

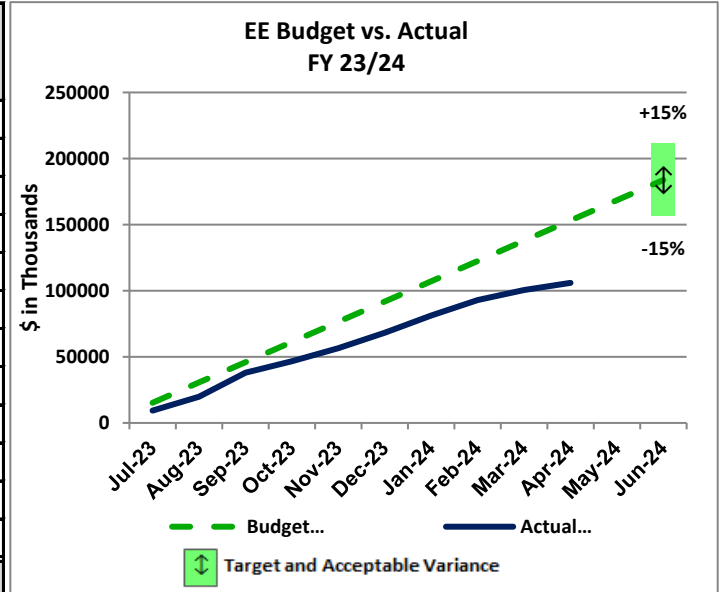
REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Budget vs. Actual for the overall Energy Efficiency Portfolio

TARGET & ACCEPTABLE VARIANCE (FY 23/24): +/- 15%

STATUS: **Outside Acceptable Variance**

FYTD as of:	Budget (\$ in K)	Actual (\$ in K)	Variance		Re-Estimate (If Applicable)
			\$ in K	%	
Jul-23	15,318	9,422	-5,896	-38.5%	
Aug-23	30,636	19,850	-10,787	-35.2%	
Sep-23	45,955	38,019	-7,936	-17.3%	
Oct-23	61,273	46,662	-14,611	-23.8%	
Nov-23	76,591	56,638	-19,953	-26.1%	
Dec-23	91,909	68,225	-23,684	-25.8%	
Jan-24	107,227	81,305	-25,922	-24.2%	
Feb-24	122,545	92,987	-29,558	-24.1%	
Mar-24	137,864	100,598	-37,266	-27.0%	
Apr-24	153,182	105,981	-47,201	-30.8%	
May-24	168,500				
Jun-24	183,818				
Acceptable Variance			± 15%		



SOURCE OF DATA: Efficiency Solutions KPI FY 23-24 Report

1. BACKGROUND / PURPOSE

Energy Efficiency Programs energy savings goals are a key performance metric related to the Energy Cost Adjustment Factor, a critical power rate component. Energy Savings are compiled monthly into a Key Performance Indicator (KPI) database encompassing measures installed by participants in energy efficiency programs and initiatives. A budget is established annually, in support of energy efficiency programs, and actual spending is also compiled monthly into the KPI database, to track spending and energy savings. The OPA has requested this metric be reported to the Board and the OPA on a regular basis, ensuring actual spending meets established targets.

2. ACHIEVEMENTS / MILESTONES MET

Energy efficiency programs have slowly ramped up in FY 23-24. The Comprehensive Affordable Multi-Family Retrofits (CAMR) Program has

received 152 interest forms, equating to 289 properties. The Consumer Rebate Unit has gone live with an increased incentive of \$300 per ton for the purchase of qualified HVAC Central Heat Pumps. The Home Energy Improvement Program (HEIP) successfully completed data input and verification process for the 186 completed December installations. This accomplishment comes after the transition from the Enhome software to Customer Connect, a pivotal move that has empowered both the Power Construction and Maintenance and USS teams to implement robust quality assurance checkpoints.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

Energy efficiency program activities started the FY 23-24 with a 39% under spend, but has slowly accelerated and expenditures increased, with a 31% under spend as of April 2024. Expenditures are expected to increase this FY with CAMR program anticipating incentive

payments in the coming months. Also, CII program revisions with increased incentive rates anticipates increased participation in programs. Codes and Standards contract is currently in progress and once in place will update Codes and Standards numbers.

4. **MITIGATION PLAN AND / OR RECOMMENDATIONS**

Energy Efficiency programs/activities are expected to accelerate, and expenditures will increase in FY 23-24, with the filling of Utility Services Specialist (USS) positions. Hiring was completed and 20 new USS started in March 2024.

LADWP RATES METRIC – *Levelized EE Program Costs (\$/KWH) (Joint)*

RESPONSIBLE MANAGER: David Jacot

REPORTING PERIOD: April 2024

DEFINITION OF RATES METRIC: Cost per kWh over lifetime of installed energy efficiency solutions or measures.

TARGET & ACCEPTABLE VARIANCE (FY 23/24): Annual metric: Levelized Cost \$ 0.047 per kWh +/- 15%

STATUS Within Acceptable Variance

SOURCE OF DATA: ESP Portfolios Report 2023

1. BACKGROUND / PURPOSE

Efficiency Solutions' (ES) Levelized Energy Efficiency (EE) Program costs (\$/kWh) are a key performance metric related to the Energy Cost Adjustment Factor, a key rate component. The OPA has requested this metric be reported to the Board and the OPA on a regular basis, ensuring actual levelized EE Program costs are tracking established targets.

Life of efficiency measures vary from one to thirty years. The levelized cost of LADWP's energy efficiency program portfolio is calculated once per year (the most recent is FY 21-22) using the ESP Portfolios (ESP) tool developed by Energy Platforms, LLC and is used by all SCPPA members in reporting annual energy savings and expenditures to the California Energy Commission (CEC).

2. ACHIEVEMENTS / MILESTONES MET

The levelized cost of LADWP's energy efficiency portfolio for FY 22-23 was \$0.102/kWh saved. Resource Programs that are targeted for cost effective measures for deferring infrastructure upgrades are currently at \$0.102/kWh or 98% of total funding. The equity offerings, driven by policy and satisfying external stakeholders, are at \$0.112/kWh, weighted at 2% of total program funding. The equity offerings, driven by policy and satisfying external stakeholders, are at \$0.112/kWh, weighted at 2% of total program funding.

3. PERFORMANCE / VARIANCE ANALYSIS & YEAR END PROJECTION

Energy Efficiency offerings geared to meet equity metrics are at \$0.112/kWh, based on FY 22-23 expenditures. In combination with Codes & Standards (and Electrification and Non-Resource Programs), the overall portfolio levelized cost of energy for the entire portfolio is \$0.041/kWh, based on FY 22-23 expenditures.

4. MITIGATION PLAN AND / OR RECOMMENDATIONS

Energy efficiency programs will continue to be offered to meet energy efficiency goals, including equity goals.