



LA100 BI-Annual Report Card

February 9, 2024

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STRATEGIC LONG-TERM RESOURCE PLAN

- LADWP has completed the 2022 SLTRP
- 2024 SLTRP will commence in Q1 of 2024

Commitments:

- SB 100 (State Mandate):
 - 60% Renewables by 2030
 - 100% Clean Energy by 2045
- LA100/City Targets:
 - 80% Renewables by 2030
 - 100% Carbon-Free by 2035

Key Changes:

- Integration of Equity Strategies to 2024 SLTPR
- Inclusion of Equity Strategies Steering Committee members to the SLTRP process

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ENACTED PUBLIC POLICY TARGETS

2022

RPS

35.6%

Carbon-Free
Resources

51.6%

2030

80%

96.6%

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PLANNED LARGE SCALE RESOURCES

2022 SLTRP Targets of:

- 80% by 2030 & 100% by 2035.
- 2023 Power Content Label Estimate: 40.2%.
- 2,000 MW of new solar with energy storage, 925 MW of new wind, 52 MW of new geothermal, and 200 MW of stand alone energy storage by 2030, in order to meet the 80% RPS by 2030 target.

Renewable Projects:

- More than 25 utility-scale projects are currently operational spanning seven Western States.
- Based on January 2024 RPS Master List, we currently have 310 MW of RPS projects under construction, 200 MW planned, and a potential of approximately 1,500 MW (2,010 MW of total new RPS projects).

Energy Storage:

- Currently, 1,332 MW of energy storage operates across the Power System, with 34.8 MW behind-the-meter (BTM) in-basin systems.
- An additional 12.68 MW of BTM is estimated to be deployed by 2025 with the goal of reaching 2,100 MW of energy storage by 2045.

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PLANNED DISTRIBUTED ENERGY RESOURCES

Local Solar

- Approximately 712 MW online
- Target of 926 MW by 2025, 1500 MW by 2030, and 2220 MW by 2035.

Demand Respond (DR)

- Currently developing an RFP to expand residential, commercial and industrial DR portfolio for up to 100 MW.

Distributed Energy Storage

- Currently 34.8 MW behind-the-meter (BTM)
- An additional 12.68 MW of BTM to be deployed by 2025
- 2,100 MW of BTM to be deployed by 2045.



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MAJOR TRANSMISSION PROJECTS UPDATE (Cont'd)

- Overhead Transmission Lines
-
-
- Underground Transmission Cables

Electric Station Equipment

* Previously referred to as “No Regret Transmission Projects”

Transmission and Electric Station Equipment Projects

Project Title		In-Service Date
1	New Castaic - Haskell Line 230kV Line 3	November 1, 2022
2	New RS-B Shunt Capacitor 99MVAR (3x33 MVAR)	November 14, 2022
3	New Wilmington (RS-C) 138kV Shunt Capacitors Construction	February 1, 2023
4	New Hollywood (RS-H) 138kV Shunt Capacitors	February 28, 2023
5	Upgrade Rinaldi Circuit Breakers and disconnect switches	March 18, 2023
6	Upgrade RS-E (Toluca) 500kV Bank H	April 15, 2023
7	New Haskell-Sylmar Line 2	April 26, 2023
8	Upgrade Wave-traps and CVTs at Victorville from 287kV to 300kV	April 31, 2023
9	New RS-B Rack A and Bank A	June 1, 2023
10	New Barren Ridge STATCOM	August 22, 2023
11	Upgrade Victorville Bank K (Phase IV)	January 6, 2024
12	New Scattergood-Pershing 230kV Cable A	April 8, 2024
13	New Scattergood-Pershing 230kV Cable B	April 8, 2024
14	New Olympic-Pershing 230kV Cable A	April 8, 2024
15	New Olympic-Pershing 230kV Cable B	April 8, 2024
16	Upgrade Barren Ridge – Haskell Line 1	July 22, 2024
17	Upgrade Lugo-Victorville Line 1 & terminal equipment	November 8, 2024

Transmission and Electric Station Equipment Projects (Cont'd)

Project Title		In-Service Date
18	Upgrade McCullough – Victorville Series Compensation	January 1, 2025
19	Upgrade Circuit Breakers at Victorville 500kV	January 1, 2025
20	Upgrade Rinaldi Tarzana Lines 1 & 2	April 15, 2025
21	* Upgrade Scattergood Auto and Phase Shifting Transformer	May 31, 2025
22	New Rosamond Switching Station	November 10, 2025
23	* New Valley - Toluca Line 3 & upgrade Valley -Toluca Lines 1/2	April 1, 2026
24	* Convert Tarzana-Olympic 1A and 1B to 2-230kV lines	April 15, 2026
25	Adelanto-Toluca Line 1 Clearance Mitigation Upgrade	December 31, 2026
26	* Upgrade Toluca-Hollywood Line 1 Underground Cable	March 30, 2027
27	* Upgrade Hollywood - Fairfax 138kV Series Reactor	September 30, 2027
28	* New Valley - Rinaldi Line 3 & upgrade Valley-Rinaldi Lines 1/ 2	April 1, 2028
29	Upgrade McCullough – Victorville Transmission Line	December 31, 2028
30	Upgrade Circuit Switcher for McCullough - Victorville Lines 1/2	December 31, 2028
31	* New Toluca - Atwater Line 2 & upgrade Toluca -Atwater Line 1	May 1, 2029
32	* Reconductor Rinaldi-Airway Lines 1 and 2	December 31, 2029
33	* New Northridge – Olympic 230kV Cables A/B & Shunt Reactor	December 31, 2029
34	* Upgrade Fairfax - Olympic 138kV Series Reactor	September 30, 2030

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POWER SYSTEM RELIABILITY PROGRAM

1

Reliability Metrics (as of 12/31/23):

- **SAIFI:** 0.76
- **SAIDI:** 197.44
- **CAIDI:** 259.79

2

Asset Replacement (as of 1/31/24):

- **Poles:** 1,854
- **Crossarms:** 5,425
- **Transformers:** 650
- **Cables:** 22.6 miles

3

Budget (as of 12/31/23):

- \$626 million for all PSRP work:**
- \$332 million on **Capital jobs**
 - \$293 million on **O&M jobs**



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BUSINESS MODEL: EV CHARGING HUBS

- Facilitate Access to EV Charging Hubs Throughout the City
- Provide a Unique Charging Experience to LADWP and Non-LADWP Customers
- Ensure Affordability of Charging
- Manage Overgeneration



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LADWP POWERED-BY EQUITY INITIATIVES

Initiatives	Description	Community Benefits			
		Affordability	Access	Jobs	Air Quality
EV Hubs (Charging Plazas)	Provide EV charging access across the City of LA	✓	✓	✓	✓
Used EV Rebate	Provide \$4,000 rebate for used EVs	✓	✓	-	✓
EV Charger Rebate	Provide up to \$1,000 to purchase and install Level 2 chargers	✓	✓	✓	✓
Metro, LAWA, and POLA Electrification	Provide and support the electrification of Metro, LAWA, and POLA to significantly reduce GHG emissions throughout the City of LA	-	✓	✓	✓
Heavy Duty Truck Charging Infrastructure	Provide and support EV charging infrastructure for heavy duty trucks across the City of LA	-	✓	✓	✓
Solar Rooftop	Proliferate solar across the City of LA by leasing their rooftop to install solar in exchange of a direct monthly payment	✓	✓	✓	✓
Shared Solar	Provide access to solar energy for multi-family residents (mostly renters) with no individual rooftops	✓	✓	✓	✓
Cool LA	Provide air conditioner incentive to low income residents particularly to those vulnerable to heat waves	✓	✓	-	✓
Commercial Direct Install	Provide assessments and free efficiency upgrades to qualifying business customers.	✓	✓	✓	✓
Comprehensive Affordable Multifamily Retrofit (CAMR)	Assist low income buildings in retrofitting to reduce both energy and water usage	✓	✓	✓	✓
Project Powerhouse Affordable Housing	Accelerate the delivery of affordable housing projects at a reduced cost	✓	✓	✓	-
Home Energy Improvement Program (HEIP)	Provide a free home assessment to identify energy efficiency improvement areas. The program also performs necessary upgrades identified in the assessment.	✓	✓	✓	✓
EZ Save	Provide discount and explore higher discount to low income customers to reduce their electric bill	✓	✓	-	-
Senior Citizen/Disability Lifeline Rate	Provide discount to low income senior and disabled customers to reduce their electric bill	✓	✓	-	-
Level Pay	Provide option to pay higher seasonal bill across a 12-month period	✓	✓	-	-
Extended Payment Programs	Provide option to pay electric and water bill up to a period of 36 months for all customers and 48 months for low income customers	✓	✓	-	-

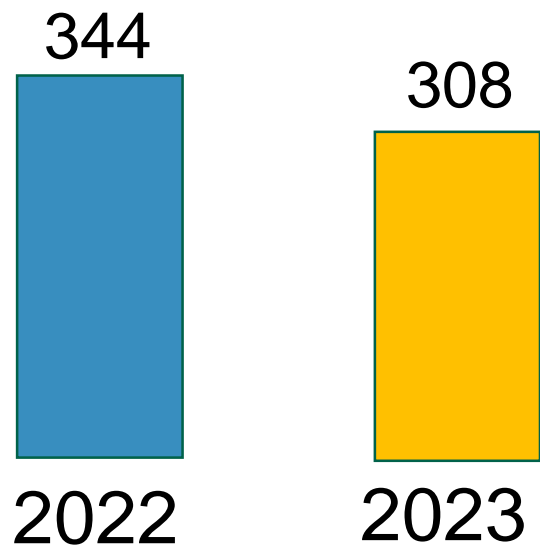
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SCENARIO BASED HUMAN RESOURCE PLAN

New FTEs per Year (By Cumulative Scenario)

Scenario		FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	Total
	Scenario 1: System Intact	97	389	356	346	211	243	251	254	179	146	2473
	Scenario 2: PSRP+	142	473	446	437	272	317	315	335	242	199	3179
	Scenario 3: Load Growth	212	568	540	502	348	393	402	425	345	290	4024
	Scenario 4: SLTRP + STP	217	601	565	509	356	411	413	448	363	296	4178

Recent Hiring Levels (FTEs)



Power System Is On Target for Meeting Its Human Resource Needs.

Thank You

