

LA100 Bi-Annual Report Card

FEBRUARY 2024



Key Progress Updates on LA100 Planning & Implementation

- The PPA for **SW Wyoming Wind Project** ended on Dec 31, 2023, but **extended** until July 1, 2025. This project contributed 0.9% to the RPS for 2023.
- Construction of **Eland 1 Solar is near completion**. The **Balance of Plant facilities** are **complete** and Tesla batteries are installed. All solar modules are expected to be delivered by the end of February 2024, allowing for potential test energy to start as early as March 2024.
- The **final version** of the **2022 SLTRP** was published on **July 19, 2023**. The IRP Group has commenced work on the 2024 SLTRP, including procuring the necessary modeling software and gathering input assumptions. The **launch** of the **2024 SLTRP Advisory Group** is expected to take place in **March 2024**.
- **Energy efficiency** adoption is on track with LA100 projections. Current forecasts show LADWP is on track to achieve 350 GWh or more each year contingent on IHRP staffing allocations.
- **LA100 Equity Strategies Study** was completed in late 2023, and the implementation of the Study's outcomes will commence throughout 2024.
- The Comprehensive Affordable Multifamily Retrofits (**CAMR**) **launched May 2022**. Currently, 180 buildings are enrolled (~9400 units) and undergoing retrofits. 86% of the buildings are located in DACs.
- **Cool LA Initiative launched in 2023**, offering customers on an income qualified rate a \$225 instant rebate for room air conditioners. The program had over 3,000 participants. 86% of Advanced Metering Infrastructure (AMI) comms. network devices are installed under the Dist. Automation Project.
- **ARCHES was awarded \$1.2 billion** by DOE in Oct 2023 for **CA Hydrogen hub**. **LADWP was also awarded \$48 million** by the DOE in October 2023 for GRIP Round 1 for DER deployment. Both award negotiations between DOE are ongoing.



2022
Power Strategic
Long-Term Resource Plan

Renewables & Energy Storage (ES)

- **2022 SLTRP Targets** of: 80% by 2030 & 100% by 2035.
2023 Power Content Label Estimate: 40.2%.
- **Renewable Projects:** More than 25 utility-scale projects are currently operational spanning seven Western States.
- **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.

Transmission Development

19 total transmission projects include vital in-basin projects (below) required to import renewables.

	In-Basin Transmission Project Name	Type	In-Service
1	Upgrade Tarzana-Olympic 1A & 1B -Conversion to 2-230kV lines	Overhead	April 15, 2026
2	Reconductor Rinaldi – Airway L 1 & 2	Overhead	December 30, 2029
3	New Valley – Rinaldi Line 3 and upgrade Valley – Rinaldi L1 & 2	Overhead	December 30, 2029
4	New Valley – Toluca Line 3 and upgrade Valley – Toluca L1 & 2	Overhead	December 30, 2027
5	New Toluca – Atwater Line 2 and upgrade Toluca – Atwater L1	Overhead	December 30, 2029
6	New Northridge – Olympic 230kV UG Cables A & B & Shunt Reactor	UG/Station Eqpt	TBD
7	Upgrade Hollywood – Fairfax 138kV Series Reactor	Station Eqpt.	September 30, 2027
8	Upgrade Fairfax – Olympic 138kV Series Reactor	Station Eqpt.	September 30, 2030
9	Upgrade Toluca – Hollywood Line 1 Underground (UG) Cable	Underground	April 30, 2027
10	Upgrade Scattergood Auto and Phase Shifting Transformer	Station Eqpt.	May 31, 2026

Generation Station (GS) Transformation

Valley, Haynes, Intermountain, & Scattergood

	Project Name	Est. Completion	Project Phase
1	Valley GS Unit 1-4 & Stack Demolition	September 2026	Contract Award
2	Haynes GS Unit 8 Cooling System Retrofit	June 30, 2027	RFP Development
3	Intermountain Power Project (IPP) Renewed	June 30, 2025	Site Prep/Design
4	Scattergood GS Units 1 & 2 Green Hydrogen Ready Modernization	December 2029	Enviro Permitting/RFP Dev.

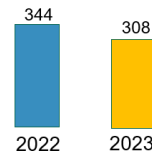
Power System Reliability Program

- **Reliability metrics (as of 12/31/23):**
 - SAIFI (system frequency): 0.76 interruptions
 - SAIDI (system duration): 197.44 minutes
 - CAIDI (customer duration): 259.79 minutes
- **Asset replacement (as of 1/31/24):**
 - Poles: 1,854
 - Crossarms: 5,425
 - Transformers: 650
 - Cables: 22.6 miles
- **Budget (as of 12/31/23):**
\$626 million for all PSRP work:
 - \$332 million on Capital jobs
 - \$293 million on O&M jobs

Integrated Human Resource Planning

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

Personnel Needs

Approximately 4,000 full-time equivalents (FTE) to support Strategic Long-Term Resource Plan (SLTRP) and Strategic Transmission Plan (STP) goals

Electrification

EVs and charging stations have **exceeded** LADWP goals and the LA100 study scenarios projected high electrification to ensure low rates. New goals have been established to align with consumer demand, industry projections, state goals and distribution system infrastructure improvements. LADWP is in the process of **developing EV Hubs** to serve the community.

Commercial EV Charging Targets:

- 45,000 charging stations by 2025 including 1,000 DC Fast Chargers* (**29,739 as of 12/2023**)
- 120,000 charging stations by 2030 including 3,000 DC Fast Chargers

City of LA EV Adoption Targets:

- 250,000 Light Duty EVs by 2025 (**148,042 as of 9/2023**)
- 550,000 Light Duty EVs by 2028
- 750,000 Light Duty EVs by 2030

*previous goal was 25,000 charging stations by 2025, which LADWP surpassed

Distributed Energy Resources

- **Customer program updates** are **being carried out** to expand building electrification offerings in existing programs. Additionally, customer programs are **increasing the amount of energy efficiency** and **building electrification** offerings for low income and DAC customers.
- **Distributed Energy Solutions** plans to continue expanding building electrification offerings and services to all customers, **contingent on IHRP** staffing allocations.
- **Local Solar.** Total local solar of **approx. 712 MW.** **Target of 926 MW** by 2025, 1500 MW by 2030, and 2220 MW by 2035.
- Currently developing an RFP to **expand residential, commercial** and **industrial DR portfolio** thru managed EV charging, etc.
- The guidelines for the **CEC Demand Side Grid Support** program, which **allow the participation of battery aggregators**, are pending approval.