

August 25, 2022

The Honorable City Council  
Office of the City Clerk  
Room 395, City Hall  
Mail Stop 160

Attention: Councilmember Mitch O'Farrell  
Chairperson, Energy, Climate Change, Environmental Justice, and River  
Committee

Honorable Members:

Subject: Council File No. 21-0352 – LA100/Strategic Long-Term Resource Plan/  
2035 100 Percent Carbon-Free Energy/Los Angeles Department of Water and  
Power

Enclosed is a response to the subject referenced motions that requests the Los Angeles  
Department of Water and Power report to the Energy, Climate Change, Environmental  
Justice, and River Committee on a bi-annual LA100 report card.

If you have any questions or if further information is required, please call me at  
(213) 367-1338, or have your staff contact Mr. Matthew A. Hale, Director of Legislative and  
Intergovernmental Affairs, at (213) 367-0751.

Sincerely,



Martin L. Adams  
General Manager and Chief Engineer

MAH:fc

Enclosure

c/enc: Councilmember Paul Koretz, Member Energy, Climate Change, Environmental  
Justice, and River Committee  
Councilmember Gilbert A. Cedillo, Member Energy, Climate Change, Environmental  
Justice, and River Committee  
Councilmember Kevin DeLeon, Member Energy, Climate Change, Environmental  
Justice, and River Committee  
Councilmember Paul Krekorian, Member Energy, Climate Change, Environmental  
Justice, and River Committee  
Mr. Matthew A. Hale

### Key Progress Updates on LA100 Planning & Implementation

- Strategic Long-Term Resource Planning Team has held 10 out of 11 Advisory Group (AG) and public outreach meetings. The SLTRP LADWP Board Presentation is expected on September 27, 2022 before the release of the Draft SLTRP in Q4 2022. **Below risk assessments on Transmission, Generation, Distribution, DERs, and EVs will be updated following the completion of the SLTRP.**
- Eland 1 and Eland 2 in-service dates were extended from 2023/2023 to 2024/2025, respectively.
- Integrated Human Resource Plan (IHRP) launched and is scheduled to be completed Q4 2022.
- LA100 Equity Strategies launched, underway, and on-schedule with outreach efforts still ongoing.
- Comprehensive Affordable Multifamily Retrofits (CAMR) launched May 2022.
- 100% of the 5,000 communication endpoints and 59% of Advanced Metering Infrastructure (AMI) communications network devices are installed for the Distribution Automation Pilot project.

### Renewable Portfolio Standard (RPS) & Energy Storage (ES) – On Track

- Estimated 2021 RPS: 36.7%. 2022 projection: 42.2%. Target of 55% by 2025, 80% by 2030 & 100% by 2035.
- Renewable projects: Over 32 utility-scale projects are currently in-service and span seven Western States.
- Energy Storage: 1,319 MW in-service with an additional 281 MW by 2024 and tentative goal of 330 MW by 2030.
- **Global supply chain constraints**, if it doesn't improve soon, could impact our ability to achieve 55% by 2025

### Transmission – Medium Risk

- 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, 2025
2	Reconductor Rinaldi-Airway L 1 & 2	Overhead	December 31, 2029
3	New Valley – Rinaldi Line 3 and upgrade Valley-Rinaldi L1 & 2	Overhead	April 1, 2028
4	New Valley – Toluca Line 3 and upgrade Valley -Toluca L1 & 2	Overhead	April 1, 2026
5	New Toluca – Atwater Line 2 and upgrade Toluca – Atwater L1	Overhead	May 1, 2029
6	New Northridge – Olympic 230kV UG Cables A & B & Shunt Reactor	UG/Station Eqpt	December 30, 2029
7	Upgrade Hollywood – Fairfax 138kV Series Reactor	Station Eqpt.	December 30, 2029
8	Upgrade Fairfax – Olympic 138kV Series Reactor	Station Eqpt.	December 30, 2029
9	Upgrade Toluca – Hollywood Line 1 Underground (UG) Cable	Underground	March 30, 2026
10	Upgrade Scattergood Auto and Phase Shifting Transformer	Station Eqpt.	December 30, 2029

### Generation Station (GS) Modernization Efforts – Medium Risk

	Project Name	Est. Completion	Project Phase
1	Valley GS Unit 1-4 & Stack Demolition	Nov 31, 2025	Proposal Review
2	Haynes GS Unit 8 Cooling System Retrofit	May 14, 2027	RFP Development
3	Haynes GS Unit 3-6 Demolition	Sept. 30, 2022	Closeout
4	Intermountain Power Project (IPP) Renewed	June 30, 2025	Site Prep/Design
5	Scattergood Hydrogen-Ready Capacity	December 2029	RFP Development
6	Green Hydrogen Request for Information	March 2022	Complete

### Distribution System – High Risk

- Power System Reliability Program is on track – budget variance average (2.6%) last 5 FY's despite COVID-19.
- Current Power System Reliability Program asset targets have been revised, but engineering and construction resources are **insufficient** to support LA100's forecasted load growth.
- Currently re-assessing **metrics, budget, and staffing** needs (IHRP) to support necessary distribution upgrades.

### Distributed Energy Resources – Medium Risk

- Energy Efficiency. Doubling of energy efficiency by 2030 is on track. Contingent on IHRP staffing allocations.
- Local Solar. Total local solar of ~602 MW. Target of 926 MW by 2025, 1500 MW by 2030, and 2220 MW by 2035.
- Demand Response. Increasing residential program from 25 to 35 MW for 2022. Current device count: 42,187.
- DER RFP. Negotiating contract(s) for up to 30 MW of additional distributed resources. Est. Board Date Q4 2022.

### Electric Vehicles – Medium Risk

- New goals have been established beyond LA100 study scenarios to align with consumer demand, industry projections, state goals and distribution system infrastructure improvements:
  - 96,667 Registered Electric Vehicles. Target of 250,000 by 2025 and 750,000 by 2030.
  - 18,302 Commercial Level 2 Chargers. Target of 44,000 by 2025 and 117,000 by 2030.
  - 429 DC Fast Chargers. Target of 1,000 by 2025 and 3,000 by 2030.