

February 10, 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. CF 21-0352 - LA100/Strategic Long-Term Resource Plan/2035  
100 Percent Carbon-Free Energy/Los Angeles Department of Water and Power

The enclosed report is in response to the subject referenced motion requesting the Los Angeles Department of Water and Power (LADWP) provide a report card on the Department of Water and Power's efforts to prepare a Strategic Long-Term Resource Plan that achieves 100 percent carbon-free energy by 2035, in a way that maintains reliability, is equitable, and has minimal adverse impact on ratepayers.

If you have any questions or if further information is required, please call me at (213) 367-1338, or have your staff contact Ms. Leilani Johnson Kowal, Interim Director, Legislative and Intergovernmental Affairs, at (213) 367-3023.

Sincerely,



Martin L. Adams  
General Manager and Chief Engineer

LJK:nsh

c/enc: Councilmember Paul Koretz, Vice-Chair Energy, Climate Change, Environmental Justice, and River Committee  
Councilmember Gil 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  
Ms. Leilani Johnson Kowal



**Key Progress Updates on LA100 Planning & Implementation**

- Red Cloud Wind went into service Dec 22, 2021, increasing renewables by 6% for 2022.
- Integrated Human Resource Plan (IHRP) launched and on schedule with estimated completion by mid-2022.
- Strategic Long-Term Resource Plan is on schedule and findings will be available Q3 2022.
- LA100 Equity Strategies launched, underway, and on-schedule.
- Comprehensive Affordable Multifamily Retrofits (CAMR) launching in Spring 2022.
- 100% of the 5,000 communication endpoints and 3.84% 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: 43.2%. Target of 80% by 2030 & 100% by 2035.
- Renewable projects: Over 35 utility-scale projects are currently in-service and span seven Western States.
- Energy Storage: 1,314 MW currently in-service with an additional 287 MW to be delivered by 2024 with a tentative goal of 2,200 MW in-service by 2030.

**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 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	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	June 30, 2025
10	Upgrade Scattergood Auto and Phase Shifting Transformer	Station Eqpt.	December 30, 2024

**Generation Station (GS) Modernization Efforts - Medium Risk**

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

**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 **objectives** are **insufficient** to support LA100's load growth.
- Currently re-assessing **metrics, budget, and staffing** needs to support necessary distribution upgrades.
- The **staffing** required will be determined through the IHRP process.

**Distributed Energy Resources - Medium Risk**

- Energy Efficiency. Doubling of EE by 2030 is on track. Contingent on IHRP staffing allocations.
- Local Solar. Total of ~557 MW of local solar. Target of 520 MW by 2025, 1080 MW by 2030, and 1600 MW by 2035.
- Demand Response. Increasing residential program from 25 to 35 MW for 2022. Current device count: 36,967.
- DER RFP. Negotiating contract(s) for up to 30 MW of additional distributed resources.

**Electric Vehicles - High Risk**

- **EVs and charging stations have exceeded LADWP goals** and new 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.