

Scattergood Generating Station

Units 1 and 2 Green Hydrogen-Ready Modernization Project



PROJECT OVERVIEW

The Scattergood Generating Station Units 1 and 2 Green Hydrogen-Ready Modernization Project (project) is a cornerstone of LADWP’s clean-energy transition. This project is essential to maintaining grid reliability and resiliency as Los Angeles transitions to a fully decarbonized electric grid.

OTC Policy. The project will replace aging conventional-boiler generators that were originally commissioned in the late 1950s and must be retired by December 31, 2029, in compliance with the statewide Once-Through Cooling (OTC) Policy. Accordingly, the project involves the construction of an air-cooled condenser, eliminating the need for ocean water.

LA100 Study. The project is fully aligned with the findings of the LA100 Study conducted by the National Renewable Energy Laboratory (NREL), completed in 2021. Among many other critical investments, NREL found that firm capacity is needed as “an insurance policy to keep the lights on when things go wrong, including bad weather, hot weather, and fires that take down transmission lines.”

City Council Motion. In February 2023, the Los Angeles City Council unanimously approved an ordinance authorizing LADWP to pursue a contract for the project, while also directing additional studies to re-evaluate non-combustion alternatives and address other related matters.

Alternatives Study. Subsequently, NREL conducted a supplemental analysis to re-evaluate specific non-combustion alternatives to the project; the study resulted in a publicly available report dated February 2025. NREL assessed options such as fuel cells, battery energy storage, and new or upgraded transmission

infrastructure, among others—evaluated individually and in various combinations. In short, NREL found no practical alternatives can replace the firm, carbon-free capacity the project is designed to provide within the necessary timeframe.

Grid Reliability → Cleaner Air. This project is a critical step toward achieving a reliable, resilient, and fully decarbonized grid by 2035—supporting not only LADWP’s clean-energy goals but also broader efforts to improve air quality and public health across Los Angeles.

PROJECT DESCRIPTION

Overview. The project will result in up to 346 MW [megawatts] of firm, dispatchable capacity through a “1+1” combined cycle generating system. Such a system safely and efficiently converts fuel into electricity in a controlled manner.

Project Status. The project’s Request for Proposal (RFP) is currently advertised with a deadline of November 2025. This competitive-bid process is expected to result in an Engineer, Procure, and Construct (EPC) agreement with the selected contractor. Concurrently, LADWP is actively conducting environmental reviews and pursuing all necessary permits in compliance with applicable laws, regulations, and industry best practices.

Hydrogen Capability. The new units will be capable of operating on a blend of natural gas and at least 30% green hydrogen from the outset, with a required roadmap to achieve 100% hydrogen capability by 2035.

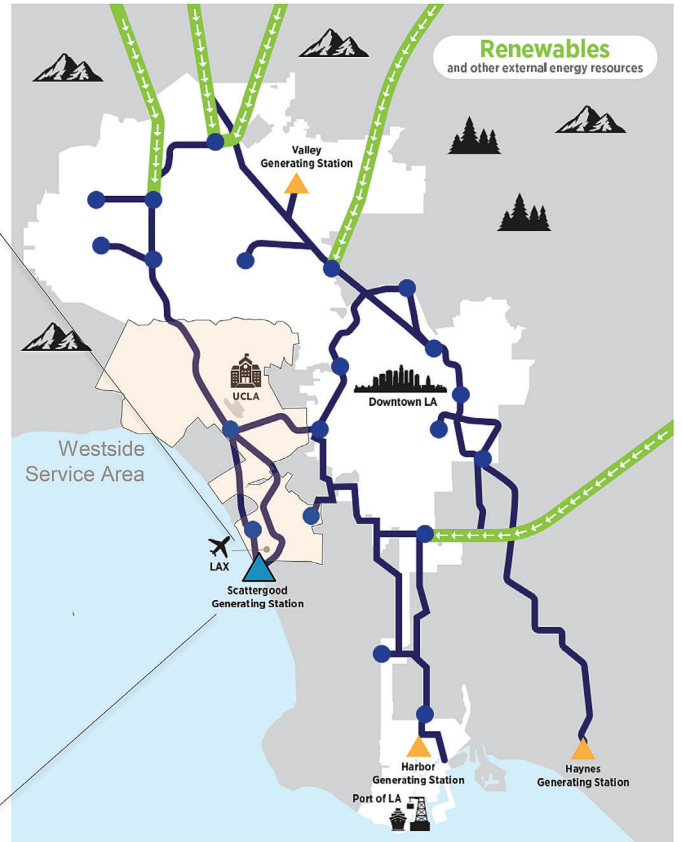
ARCHES. The project does not address the production, storage, or transportation of hydrogen. Instead, LADWP plans to work with regional partners, such as the Alliance for Renewable Clean Hydrogen Energy Systems (ARCHES), to source and deliver clean, green hydrogen to the project site.

Altogether, LADWP has long demonstrated its commitment to sustainability, and this project represents a continued step forward in that ongoing effort.

This project complements LADWP’s broader clean-energy strategy—which includes major investments in solar, wind, and energy storage—and plays a critical role in delivering a resilient, affordable, and sustainable future for Los Angeles. Through all these efforts, LADWP continues to lead in the transition to clean energy—and foundational to that leadership is reliability and affordability for all.

AT A GLANCE

- Project is critical to maintain grid reliability and system resiliency.
- Discontinues the use of ocean water once-through cooling.
- Project will result in up to 346 MW of firm, dispatchable capacity.
- Fuel flexible with minimum capability of 30% green hydrogen.
- Project is anticipated to be in service by December 2029.
- Blackouts without project may result in billions of dollars of economic losses.



Proposed Location of Project at Scattergood Generating Station

WESTSIDE RELIABILITY

The project is essential to maintaining grid reliability and resiliency, especially on LADWP’s Westside, where Scattergood Generating Station is located. This area has a unique requirement for firm capacity due to the grid’s electrical design, and without it, the system becomes highly vulnerable to high- impact events such as extreme weather, wildfires, and earthquakes. Such events have the potential to disrupt transmission assets and threaten the system’s access to renewables, possibly impacting vital operations at LAX and the Hyperion Water Reclamation Plant.

KEY TO THE TRANSITION

A reliable, resilient electric grid is foundational to achieving a clean-energy economy. The LA100 Study highlighted that economy-wide electrification can significantly improve regional air quality and public health. Without a reliable grid, progress toward economy-wide decarbonization will be hindered. This also limits efforts to reduce local pollutants, including nitrogen oxides (NOx), from buildings, vehicles, and other emission sources. These sectors contribute significantly more to regional emissions as compared to LADWP.

SKILLED WORKFORCE

The project directly supports LADWP’s commitment to maintaining a skilled, unionized workforce through well-paying civil service jobs. It is expected to require much of the same expertise and trades LADWP currently employs. LADWP’s continued leadership is key to the City’s transition to a clean-energy future— demonstrating that equitable, clean energy jobs are not only possible but central to a sustainable future.

SCHEDULE AND MILESTONES



Thru 2025

Environmental Reviews

IN PROGRESS



2024 - 2026

Contract Bid & Award

IN PROGRESS



2026 - 2029

Design & Construction

FUTURE



Late 2029

Start-up & Operations

FUTURE