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Our Clean Energy Future is Now

Martin Adams

General Manager and Chief Engineer

LA Dept. of Water and Power

LADWP Power System Overview

Balancing Authority

Largest Publicly Owned Utility

- 465 square miles served

Vertically Integrated

1.5 Million Electric Customers

\$4.7 Billion Annual Budget

Peak Demand of 6,502 MW (8/31/17)

Distribution System

- 10,495 miles of OH lines & UG cables
- 181 stations
- 128,693 transformers

Transmission System

- 4,040 miles of OH & UG circuits
- 15,452 towers



Investments for a Clean Energy Future



Electrification
Efficiency
Flexible Load



Customer
Rooftop Solar



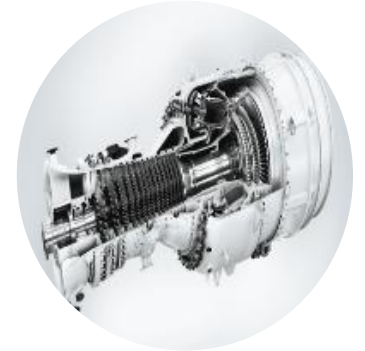
Renewable
Energy



Storage



Transmission,
Distribution



Renewably Fueled
Dispatchable
Turbines
+>2,600 MW
(in basin)

Solar: + >5,700 MW
Wind: + >4,300 MW

+ >2,600 MW

Much More

Natural gas



Biofuel/ hydrogen

Today:
Daily

Expanding Clean Energy Technologies

EV Charging Hubs in Underserved Communities



Expanding Customer Rooftop Solar in Underserved Communities



Expanding Distribution Capacity & Grid Flexibility



**Commercial Energy Storage
to Grid Pilot Program**

LA's Green Hydrogen Energy Hub





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