Metropolitan Water of Southern California Zero Emissions Vehicle - Overview



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October 2024



Discussion

Points

- Who Is Metropolitan
- Metropolitan ZEV Efforts
- Design & Construction Schedule

Metropolitan's Service Territory



- 19 million people
- 6 counties; 5,200 sq. miles
- Supply about half of Southern California's water supply
- 26 Member Agencies

Metropolitan Facilities

- Metropolitan's Service Area
- 5200 square miles
- 26 Member Agencies
- **Major Facilities**
- 242 miles of CRA
- 819 miles of pipelines and tunnels
- 5 treatment plants
- 7 pumping plants
- 15 hydroelectric plants 130 MW
- 20 reservoirs 1,072,000 $\rm AF$

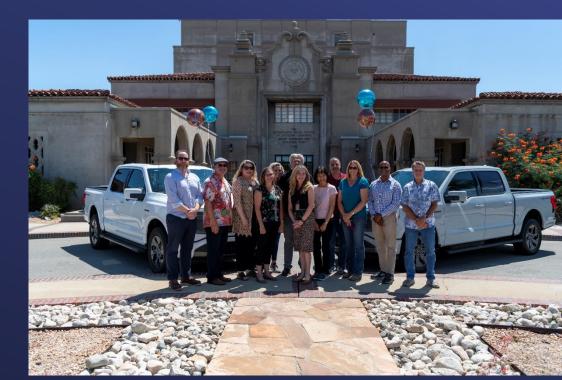


Addressing Sustainability

- Reduce Green House Gas Emissions
 - Construction and operation of solar farms
 - Battery storage
 - ZEV Zero Emission Vehicle fleet
 - Switching to sustainable sources of energy
- Exploring
 - Green Hydrogen Production



SKINNER WATER TREATMENT PLANT IN WINCHESTER



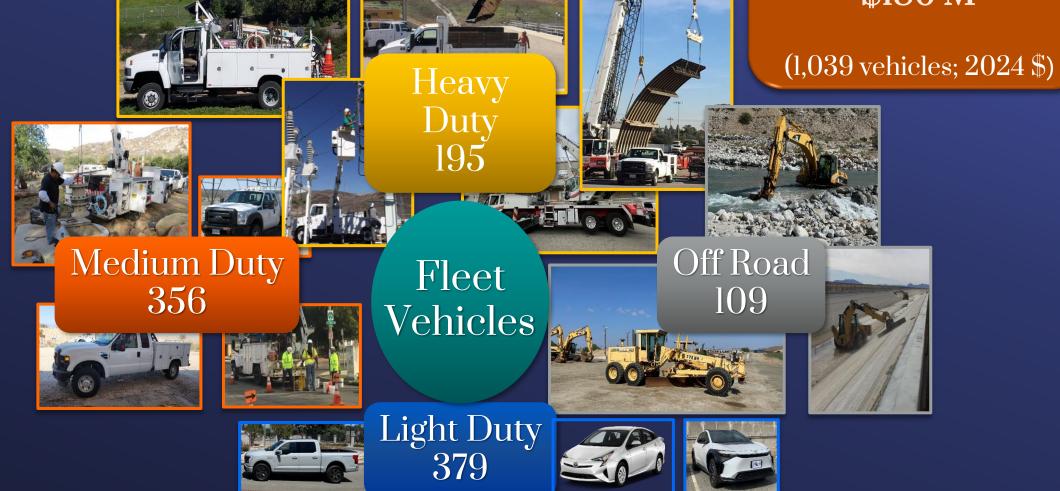
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Metropolitan's Pool of Fleet Assets

Estimated Asset Replacement Value **\$180 M**



Vehicle Charger Infrastructure

Details

- Chargers to be located at 16 major facilities
 - Treatment plants
 - Pumping plants
 - Construction yards
 - Maintenance facilities
 - Reservoirs
- Two-phase implementation efforts
 - Initial vehicle chargers up to 80+
 - Full-scale charger parks at the l6 facilities
- Approximately 365+ Chargers to be installed
- Working with utilities to expand capacity of serving sub-stations

Discussion

Points

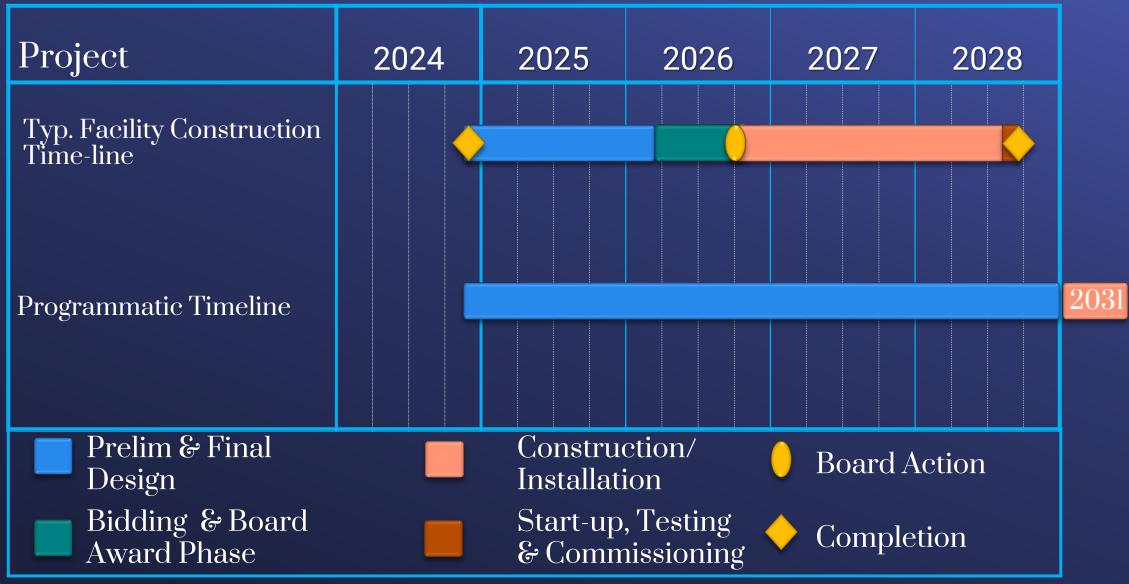
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Facility Constructio n

Details

- Expanding the electrical Infrastructure capacity at many of MWD's facilities
- Will use the Traditional Design-Bid-Build process & considering Design-Build process for some of them
- Two-phase implementation efforts
 - Initial vehicle chargers with MWD forces
 - Full-scale charger parks with construction contracts
 - Construction durations expected to be long due delays in obtain transformers & expansion of commercial power sub-stations

Expected Project/Programmatic Schedule



October 2024





October 2024