

# ET Summit 2024

Presented by



# Powered by Equity

## Building Charging Access for All Communities



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Electric Transportation Program  
Los Angeles Department of Water and Power

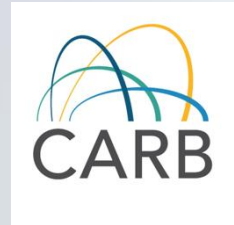


# LADWP and CA Electric Transportation Goals

## Advanced Clean Cars II & Advanced Clean Fleet Regulations (CARB)

Governor Newsom’s Executive Order (N-79-20):

- Requires 100% of California sales of new passenger car and trucks be zero-emission by 2035.
- Electrify Freight Trucks by 2035 and Medium & Heavy-Duty Fleets by 2045.



## Assembly Bill 2127 EV Charging Infrastructure Assessment (CEC):

- 450,000 chargers needed by 2025 to support 2.5M EVs
- 1.2M chargers by 2030 for 7.5M EVs



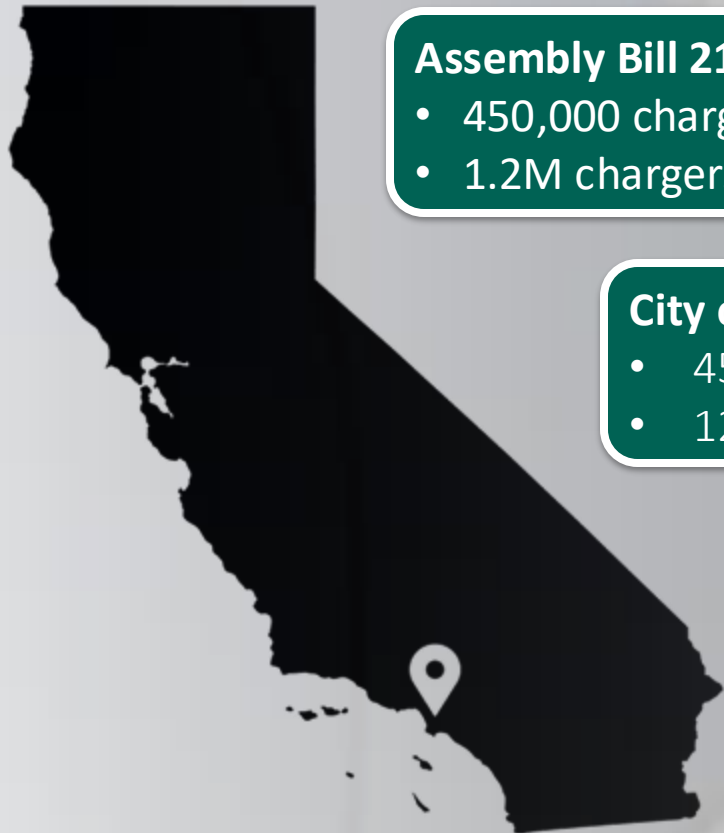
## City of Los Angeles Commercial EV Charging Infrastructure Targets:

- 45,000 Charging Stations by 2025 - Including 1,000 DC Fast Chargers
- 120,000 Charging Stations by 2030 - Including 3,000 Fast Chargers



## City of Los Angeles Electric Vehicle Adoption Targets:

- 250,000 LD and 4,000 MDHD EVs by 2025
- 550,000 LD EVs by 2028
- 750,000 LD and 12,000 MDHD EVs by 2030



# Charge Up LA! EV Rebate Programs

## Residential EV Charger Rebate

\$1,000 per level 2 charger installed

\$500 income-qualified adder

## Used EV Rebate

\$1,500 per BEV or PHEV

\$2,500 income-qualified adder

## Commercial EV Charger Rebate

\$4,000 per level 2 charger installed

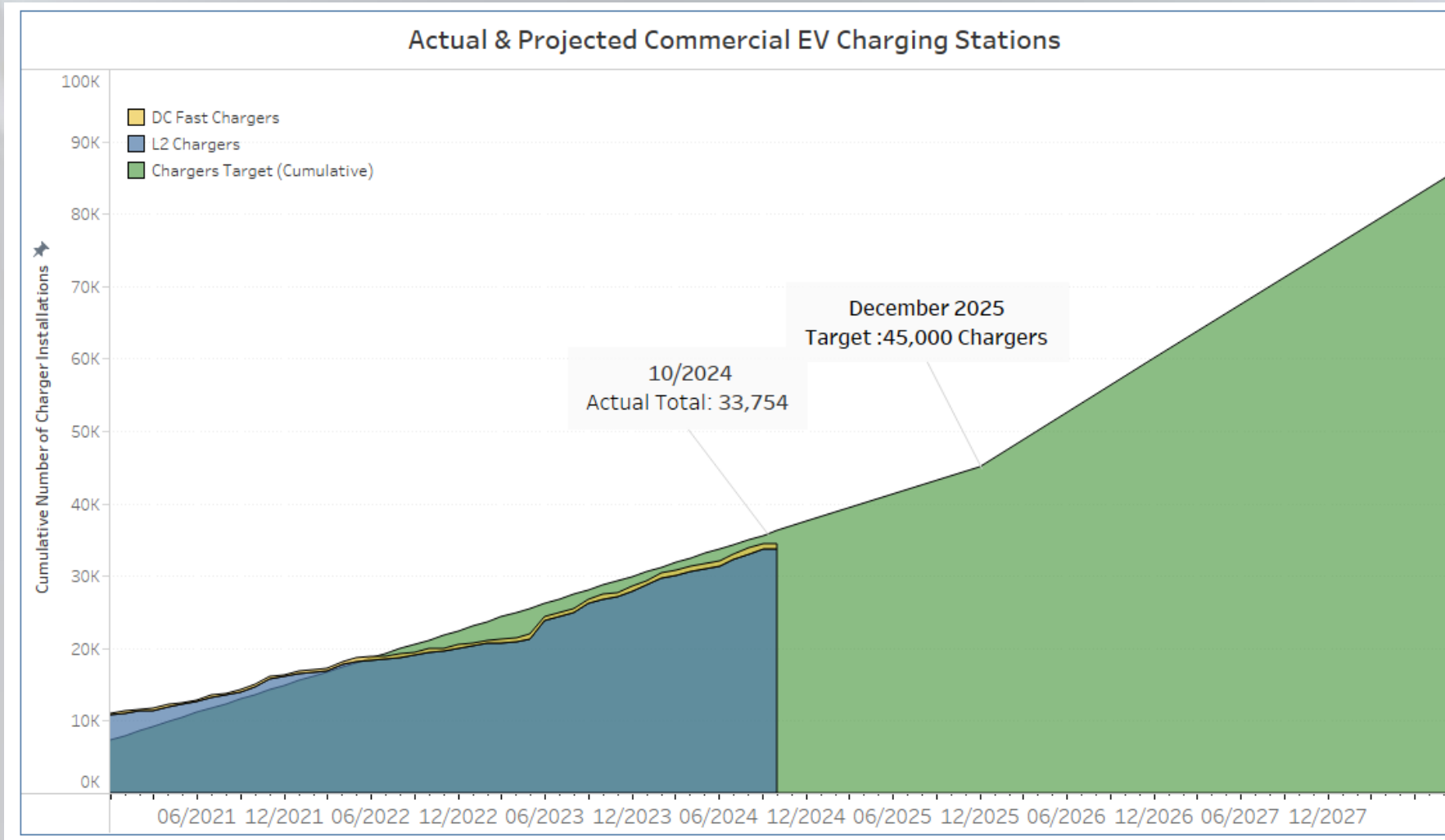
\$1,000 Disadvantaged Community adder

Up to \$100,000 per DC fast charger installed

Up to \$125,000 per charger for MD/HD

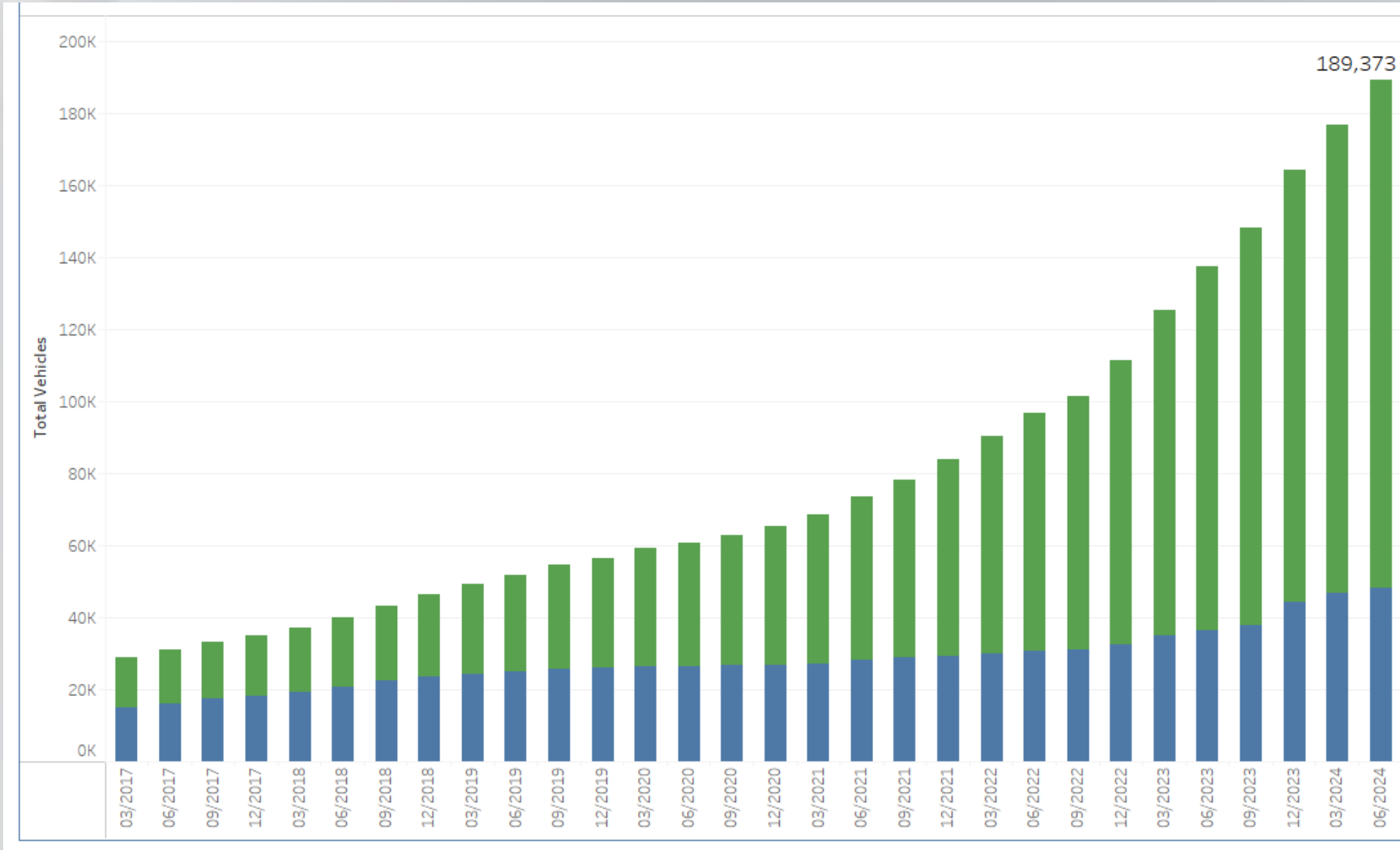


# Los Angeles EV Charging Targets



Los Angeles Department of Water and Power (2024, September) *Electric Transportation Dashboard*. <https://dashboards.ladwp.com/views/MonthlyEVDashboard/EV>

## Registered Plug-in Electric Vehicles in Los Angeles



### Targets:

- 250,000 by 2025
- 750,000 by 2030

## Home charging is foundational

Studies have shown home charging is the most influential location:

- ↑ Frequency of use
- ↑ Convenient
- ↑ Good experience
- ↑ Continued EV ownership
- ↓ Cost

Hardman, S. J., Brown, M. & Hoogland, K. (2024, June 25). *How Do We Increase Electric Vehicle Adoption Among Priority Populations?* [Webinar]. UC Davis Electric Vehicle Research Center.

<https://youtu.be/StshVfrcd7A?si=FSd-GqgxBGE7pZza>



## Home charging access is not equal

Home charging access is observed to be lower for:

- ↓ Multifamily residents
- ↓ Single-family renters
- ↓ Low-income residents
- ↓ Residents of color

***Building a network of reliable, convenient, and cost-effective public charging options is vital for those that cannot charge at home to ensure all Californians can join the transition to ZEVs.***

Alexander, Matt. 2022. Home Charging Access in California. California Energy Commission.  
Publication Number: CEC-600-2022-021.





## Cost-effective public charging?



\$0.79 / kWh

\$7 - \$36  
Full Fill Up

\$0.45 / kWh

\$3 - \$17  
Full Fill Up

\$0.28 / kWh

\$0.11 / kWh

Home

Public

Sacramento Municipal Utility District. *Residential rates*. <https://www.smud.org/Rate-information/Residential-rates>

Pacific Gas and Electric Company. *Residential rate plan pricing*. <https://www.pge.com/assets/pge/doc>

homeguide.com. *Public EV Charging Cost*. <http://homeguide.com/costs/electric>.





## Van Nuys Plaza

- 30 – 350kW DC Fast Chargers
- Indoor Cooling Center
- Solar Carport Shading
- Battery Energy Storage
- Public WiFi
- Opening January 2026



## Normandie Plaza

32 – 350kW DC Fast Chargers

Outdoor Seating

Public Wi-Fi

Solar Carport Shading

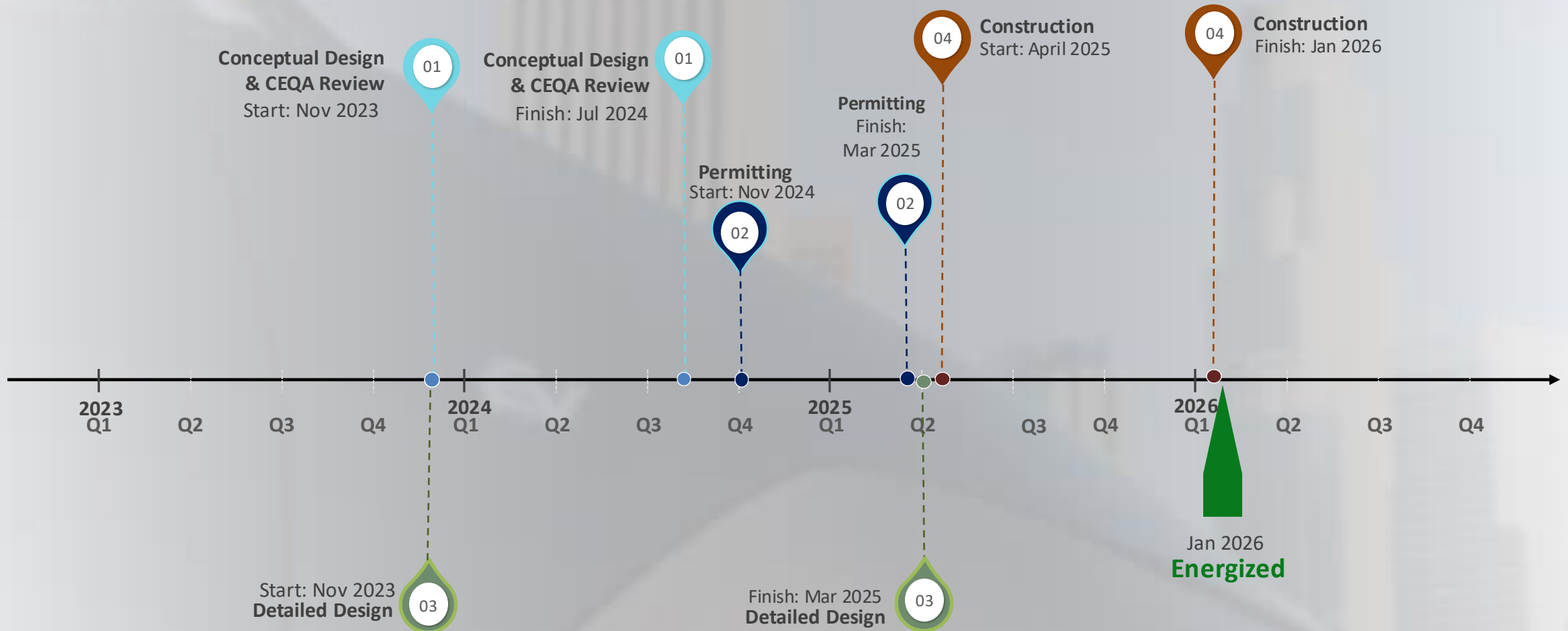
Battery Energy Storage

Bio-diversity Green Walls

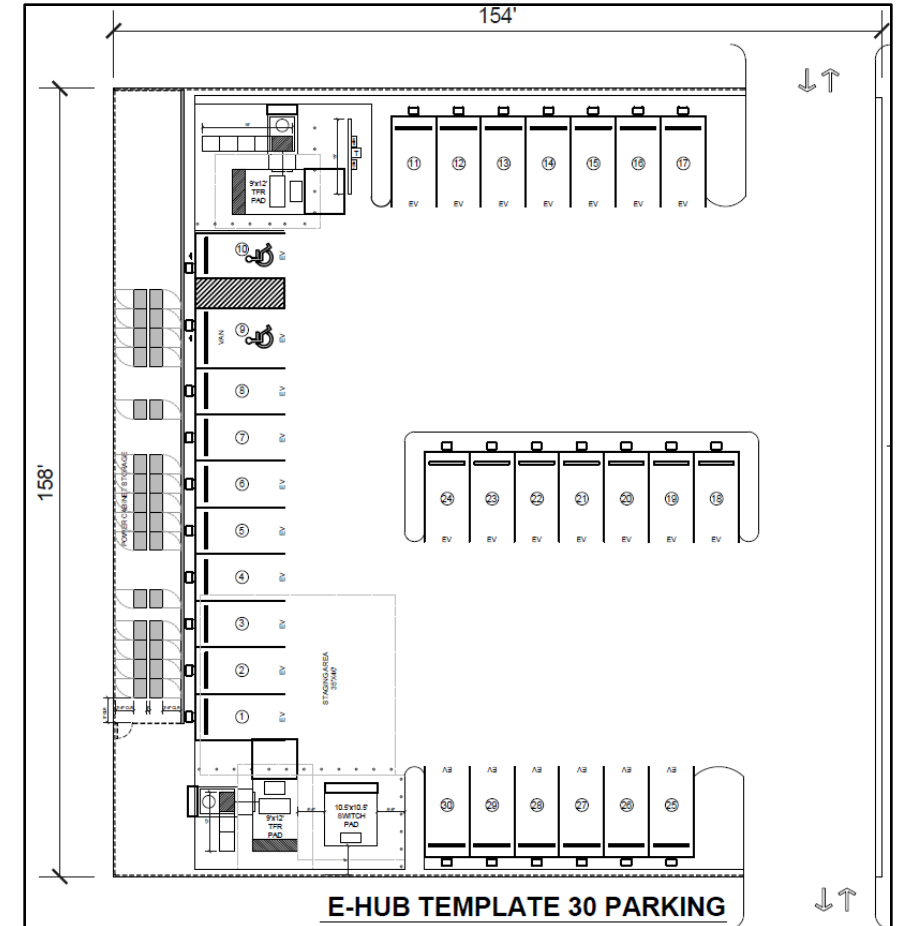
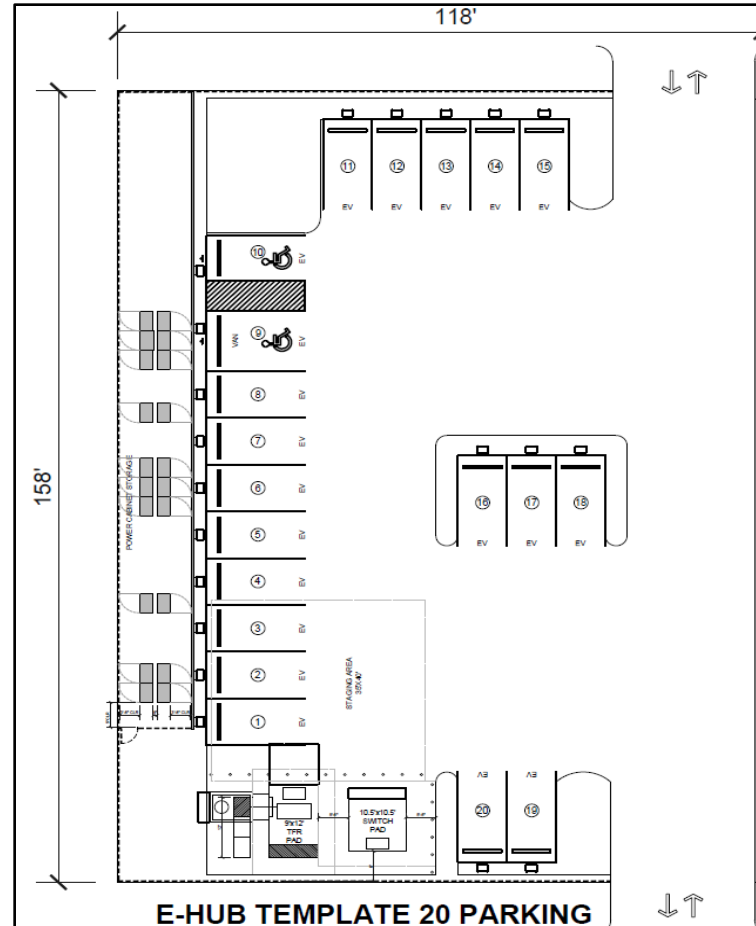
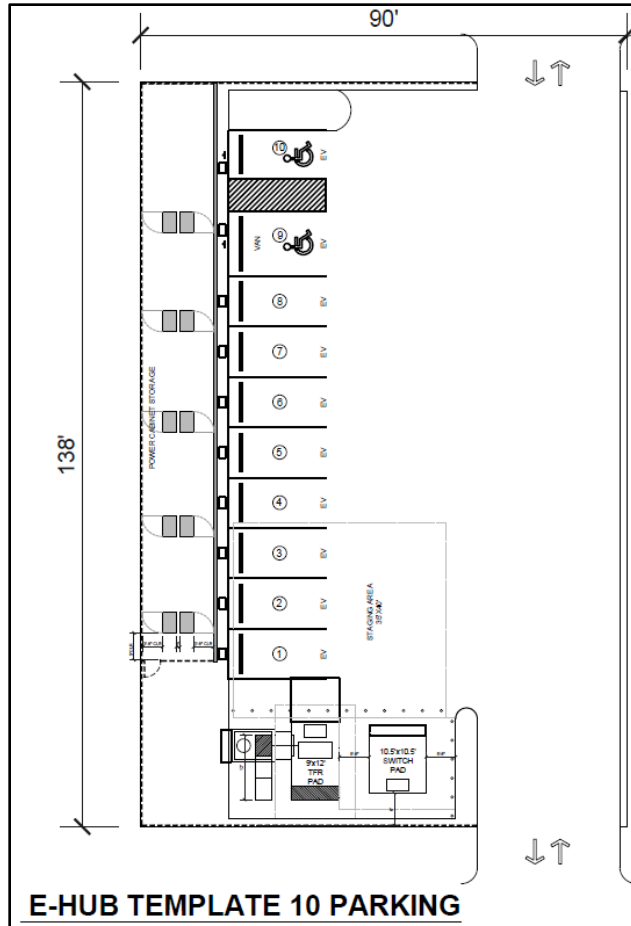
Opening January 2026



## Current Milestone Schedule



# Request for Proposals to Lease Properties





## Greg Sarvas, PE

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Los Angeles Department of Water and Power

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