

# Zero Emission Trucks Los Angeles & California

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# Green New Deal Transportation Goals



## Targets

- 🎯 Increase the percentage of electric and zero emission vehicles in the city to 25% by 2025; 80% by 2035; and **100% by 2050**
- 🎯 Electrify **100% of LA Metro and LADOT buses by 2030**
- 🎯 Reduce port-related GHG emissions by **80% by 2050**

## Top Five Areas of Impact



Access & Equity



Economic Innovation



Workforce Development



Health & Wellbeing



Climate Mitigation

*Bringing a cleaner future to L.A.'s streets*

# California Transportation Goals



## Governor Newsom Exec Order

- 🎯 100% of in-state sales of new passenger cars and light-duty trucks will be zero-emission by 2035
- 🎯 100% of medium- and heavy-duty vehicles sales must be zero-emission by 2045\*
- 🎯 100% off-road and drayage trucks sales must be zero-emission by 2035\*

*\*where feasible*

# California Transportation Goals

## Advanced Clean Trucks Regulation

Holistic approach to accelerate the transition of zero-emission medium and heavy duty vehicles (Class 2b to Class 8).

**ZE Truck Sales:** Manufacturers required to sell ZE trucks as an increasing percentage of their annual CA sales from 2024 to 2035.

**Company and Fleet Reporting:** Large employers are required to report information about shipments and shuttle services. Fleet owners with 50+ trucks will need to report about their existing operations.

## Advanced Clean Fleets Regulation

Primary goal is to accelerate the market for ZE trucks and buses.

Requires well-suited fleets to transition to ZEVs where feasible.

The regulation would apply to many fleets, including public fleets, drayage fleets, high-priority and federal fleets.

**\*\*regulation is still under development\*\***

# Rebates and Incentives

## State of California

### Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project

Provides point-of-sale reductions on ZE trucks and buses through vouchers.

Since its launch, it has helped fleets buy more than 7,500 ZE and clean trucks.

More than  $\frac{2}{3}$  of vehicles purchased operate in disadvantaged and low-income communities.

## City of Los Angeles

### Commercial Charging Rebate

- Up to \$5,000 for light-duty L2 charging station installation
- Up to \$75,000 for DC Fast Charging station installation
- Up to \$125,000 for medium and heavy-duty vehicle charging
- Over 9,400 distributed



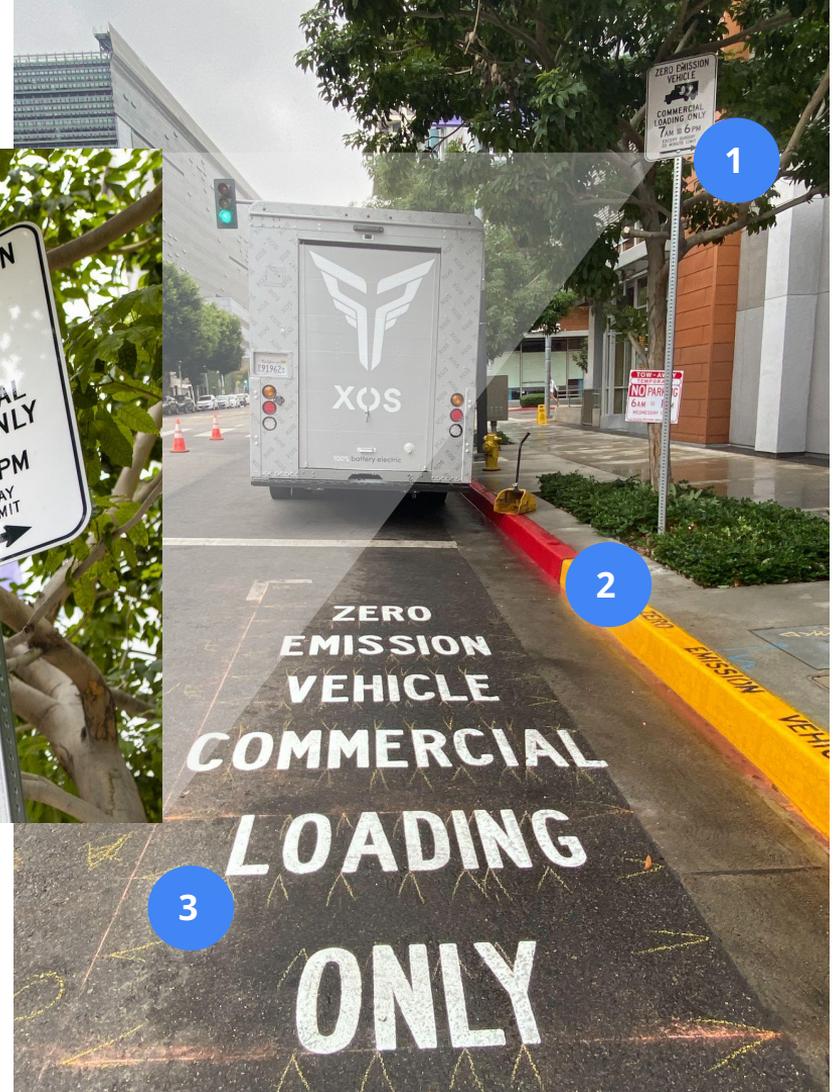
# L.A. Launched a ZE Delivery Zone!



On Clean Air Day (October 6), the City launched a fully-enforceable ZE Delivery Zone, which is a **special curb designation** for ZE delivery vehicles.

# Anatomy of the ZEDZ

- 1 Specialty Signage
- 2 Curb Markings
- 3 Pavement Markings



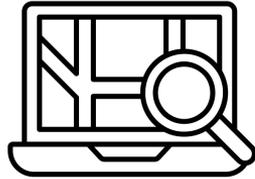
(not included: Zero-Emission Delivery Truck)

# Steps to Implementation

L.A.'s Green New Deal Goal: 100% Zero-Emission Urban Delivery by 2035



Ideas stemmed from various partners, convenings, and work groups.



Finding areas with high delivery and heavy air pollution burden.



Making it official: Creating a City ordinance to allow us to enforce and implement.



Engaging with businesses

2020

2021

# Port Zero Emission Efforts

The San Pedro Bay Ports are the busiest container port in the Western Hemisphere

## Zero Emission Pilots

- \$100M+ (USD) in ZE pilots at the Port of Los Angeles underway
- 10+ electric yard tractors + top handlers
- 10+ ZE Drayage Trucks on order or delivered
- 100 class 8 battery electric trucks deployed

## Clean Truck Fund Rate

- Incentivizes the transition to zero-emission trucks
- Charges cargo owners a fee for utilizing trucks that do not meet clean air standards
- Expected to raise \$45 million annually per port
- Port of LA rate revenues will fund zero-emission trucks and infrastructure

# Partnerships

## Transportation Electrification Partnership

Multi-year partnership with local, regional, and state stakeholders to accelerate zero-emission goals, established by Los Angeles Cleantech Incubator in May 2018.

## Zero Emission Urban Freight Work Group

CALSTART and the City convene local fleets to share resources and learn about obstacles to advancing zero-emission delivery in Los Angeles.

## Urban Movement Labs

Dynamic collaboration between local government and mobility innovators to test, prove, and bring to life new transportation technology in Los Angeles.



**urban  
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