

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*

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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



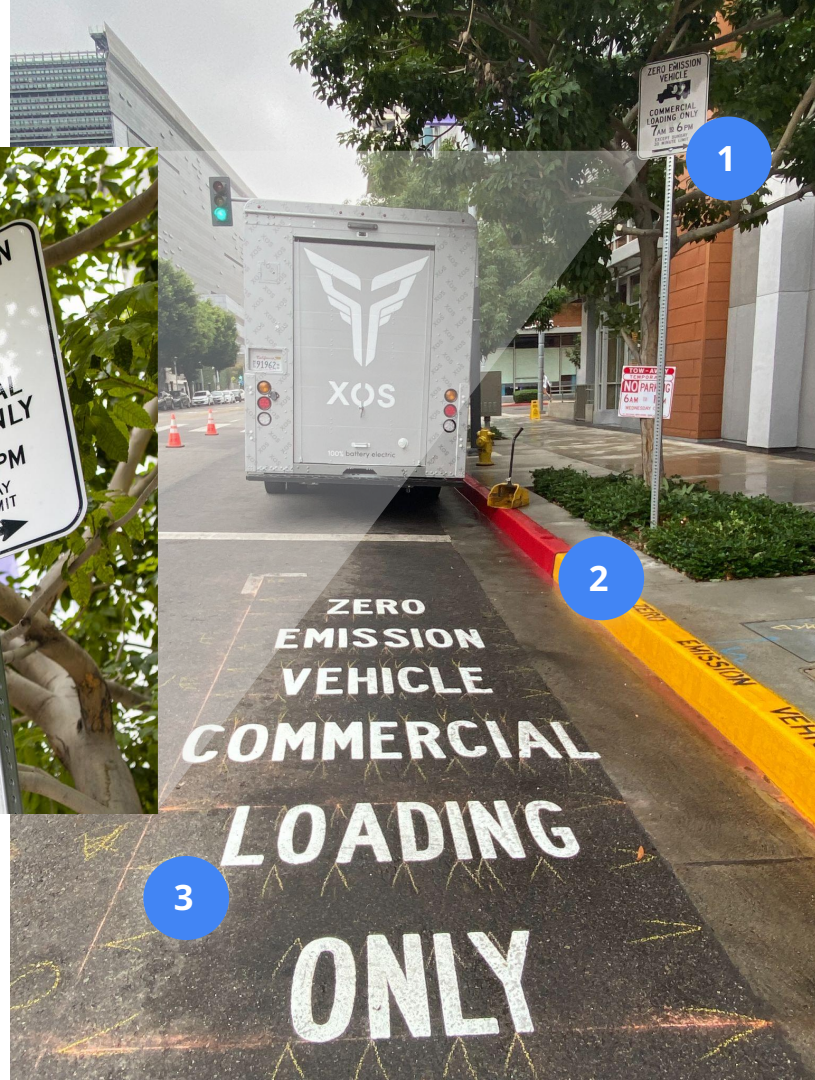
L.A. Launched a ZE Delivery Zone!



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



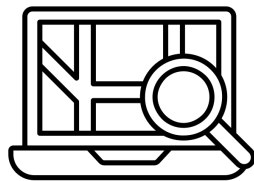
(not included: Zero-Emission Delivery Truck)

Steps to Implementation

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



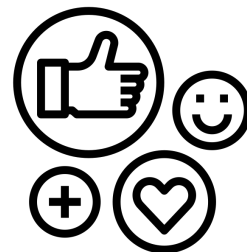
Ideas stemmed from various partners, convenings, and work groups.



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
movement
labs**

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