



Transportation Electrification Partnership and Zero Emissions Goods Movement





Presentation

- **About Los Angeles Cleantech Incubator (LACI)**
- **About Transportation Electrification Partnership (TEP) and goals for zero emissions goods movement**
- **Opportunities to collaborate to advance zero emissions goods movement**
 - Federal stimulus funding
 - State advocacy
 - State budget
 - California Electric Vehicle Authority
 - Advanced Clean Fleet regulation
 - Local advocacy
 - Clean Truck Fund
 - Project implementation
- **Contact Information**



LACI is building an inclusive green economy



UNLOCKING INNOVATION



MARKET TRANSFORMATION



ENHANCING COMMUNITY



ZERO EMISSIONS MOBILITY



CLEAN ENERGY



SUSTAINABLE CITIES



Transportation Electrification Partnership

LEADERSHIP GROUP



ADVISORY GROUP FOUNDING PARTNERS



ADVISORY GROUP ASSOCIATE PARTNERS



ADVISORY GROUP SUPPORTING PARTNERS

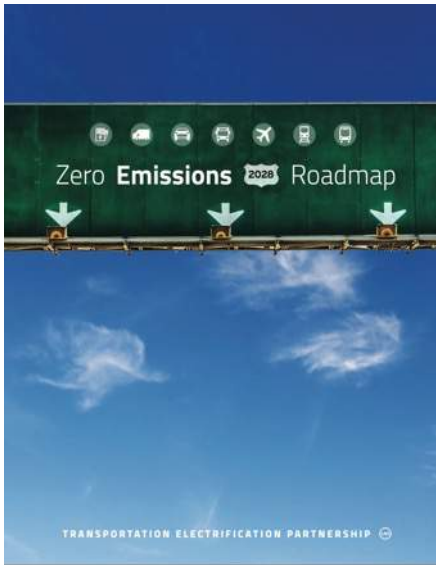


The Transportation Electrification Partnership is an unprecedented regional public-private collaboration to accelerate deep reductions in climate and air pollution by the time of the 2028 Olympic and Paralympic Games by pursuing bold targets, pilots, initiatives, and policies that are equity-driven, create quality jobs, and grow the economy.

* CEC Commissioner Patricia Monahan is an advisor to the Leadership Group.

TEP has issued a 3-pronged Call to Action

In September 2018, the Leadership Group set a goal to move toward an additional 25% reduction in greenhouse gas emissions and associated air pollution through accelerating transportation electrification by the time the world arrives in Los Angeles for the 2028 Olympic and Paralympic Games. To achieve this goal, the members all commit to work individually and collectively on policies, pilots, and other actions to reach the targets in the Zero Emissions 2028 Roadmap (p. 9) along with the following three-pronged call to action.



1

Accelerating the adoption of light-duty passenger vehicles (EVs) to be 30 percent of all vehicles on the road and at least 80 percent of all vehicles sold by 2028



2

Shifting over 20 percent of all trips in single occupancy vehicles to zero emissions public and active transit by 2028



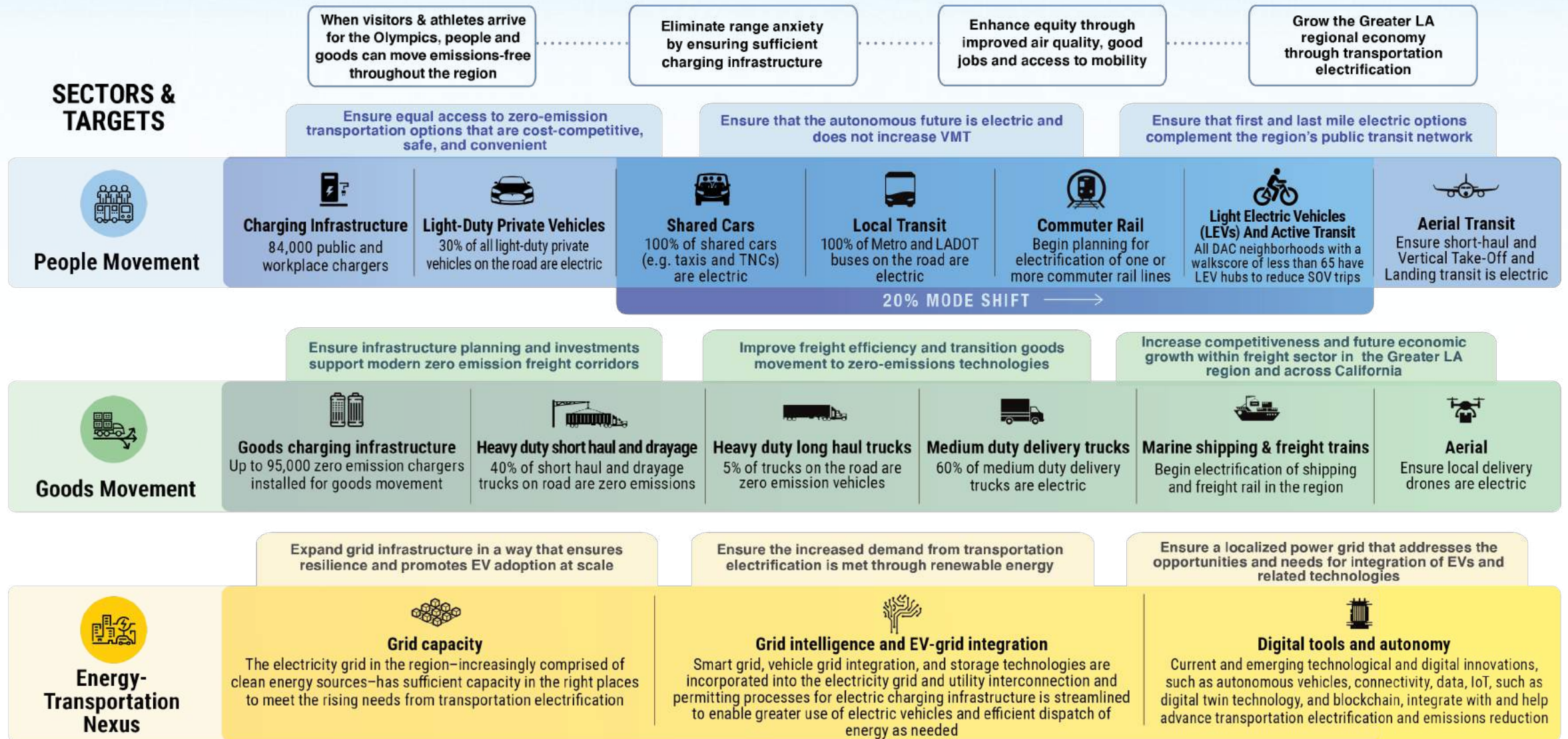
3

Ensuring that by 2028, all public investments into goods movement, freight vehicles (i.e. trucks and cargo handling equipment) and related infrastructure to support goods movement will advance zero emissions solutions, and ensure that I-710 is the first zero emissions goods movement corridor in the nation



Zero Emissions 2028 Roadmap Targets

Accelerate transportation electrification in the Greater LA region towards an additional 25 percent reduction in GHG emissions and air pollution by 2028 to build on our region's leadership



Our heavy-duty focus is on deploying the charging infrastructure to create a seamless zero emissions corridor along the I-710



In 2018, LACI partnered with state and regional stakeholders to conduct a Request for Information on the state of zero emissions truck/infrastructure technology.

Key takeaways:

- At that time there were **9 battery electric heavy-duty truck models on the road or under development**, with 12 more planned for the next 1-3 years
- The lack of charging infrastructure for heavy-duty trucks is the top barrier to the adoption of electric trucks.

Solution

LACI and TEP partners are coordinating regional efforts to prioritize affordable and accessible infrastructure deployments, working with public agencies, truck manufacturers, fleets, utilities, charging infrastructure companies, private investors, insurance companies and community-based organizations to remove barriers to deploying the needed infrastructure at scale.

LACI has conducted detailed site assessments for half a dozen strategic properties that are primed for investment as charging depots for public or private fleets. We aim to secure funding in 2021 to jumpstart these pivotal infrastructure deployments along the I-710 corridor.

FEDERAL: We have a timely opportunity to ensure our region receives its fair share of federal funding for zero emissions transportation

Federal Stimulus Efforts to Date

- April 2020: TEP issued a \$150 bn comprehensive federal stimulus proposal for zero emissions transportation
 - Zero emission vehicles, adoption & manufacturing - \$25 bn
 - Zero emissions infrastructure - \$85 bn
 - Zero emissions public and active transit - \$25 bn
 - Workforce development and job training - \$12.5 bn
 - Innovation Ecosystem, Cleantech Startups and Related Small Businesses - \$2.5 billion
- June 2020: A coalition of more than 80 diverse supporters in 13 states joined in support of the TEP proposal
- March 2021: The coalition grew to more than 100 orgs in 18 states
- March 2021: President Biden issues the **American Jobs Plan with \$174 bn for zero emissions transportation**, including our stimulus priorities of electric vehicles, charging infrastructure, public and active transit, workforce development and innovation

Next Step – A Mighty Regional Push

Building on our federal stimulus work to date, **LACI and TEP are will spearhead a regional effort to ensure that the LA region receives its fair share of federal zero emissions transportation funding.**

- Given that 40% of all goods entering the U.S. come through the San Pedro Bay Ports and then onto our freeways—resulting in some of the worst air quality nationwide—we have a strong argument to make for a significant portion of federal funding.
- LACI is organizing a broad coalition—with environmental justice, labor and environmental advocates—to secure funding for heavy-duty projects as well as light- and medium-duty project to benefit frontline communities.
- **Join us!**

STATE: We have multiple opportunities to advance zero emissions goods movement in California, starting with the State budget

State Budget Opportunity:

- Governor Newsom's "May Revise" budget includes \$3.2 bn for zero emissions transportation over 3 years.
- This is a great start, recognizing how critical zero emissions transportation is to public health and economic development, but **we need an immediate uplift of an additional \$2.25 bn for zero emission trucks, charging infrastructure, workforce development, and to defray accompanying cost barriers.**
- A diverse coalition has quickly formed to advocate for increased funding for zero emissions heavy-duty funding, including **Long Beach Mayor Robert Garcia and the Port of Long Beach.**
- **Join us to advocate for this funding!**

Coalition supporters to date:

A3PCON (Asian Pacific Planning and Policy Council) Environmental Justice Committee • Bay Area Council • BYD • California Association of Port Authorities (CAPA) • California Business Alliance for a Clean Economy • Communities for a Better Environment • EarthJustice • East Bay Community Energy • East Yard Communities for Environmental Justice Environmental Defense Fund (EDF) • Harbor Trucking Association • International Longshore and Warehouse Union – Locals 13, 63 and 94 • Long Beach Alliance for Children with Asthma (LBACA) • Long Beach Mayor Robert Garcia • Los Angeles Area Chamber of Commerce • Los Angeles County Supervisor Janice Hahn • Los Angeles County Truck and Bus Coalition • Los Angeles IBEW/NECA Labor Management Cooperation Committee (or LMCC) • Los Angeles Mayor Eric Garcetti • Los Angeles City Councilmember Joe Buscaino • Los Angeles Cleantech Incubator (LACI) • Los Angeles Department of Water and Power (LADWP) • PCS Energy • People's Collective for Environmental Justice • Port of Hueneme • Port of Oakland • Port of Long Beach • Port of Los Angeles • Port of Richmond • Port of San Francisco • San Pedro and Peninsula Homeowners Coalition • Sierra Club • Southern California Edison • Union of Concerned Scientists • Urban Movement Labs • Warehouse Worker Resource Center • XOS Trucks

STATE: LACI and TEP are sponsoring SB 551 (Stern) to create the California Electric Vehicle Authority to enhance coordination and financing tools

TRANSPORTATION ELECTRIFICATION PARTNERSHIP

SB551 | CA Electric Vehicle Authority will...

- Accelerate progress toward State and regional goals for electric vehicles & charging stations.
- Create funding and financing tools to support EV deployment efforts.
- Prioritize equity across all investments, implementation, and deployments to drive economic development and workforce development programs.

Join the growing list of supporters by visiting | laci.org/sb551



The bill has earned bipartisan votes and support from 70+ organizations.

Supporters

350 Sacramento
350 Silicon Valley
AMPLY Power
American Lung Association
Audi of America
Bay Area Council
Better World Group
Breathe California Sacramento Region
BYD North America
California Business Alliance for a Clean Economy
California Kids IAQ

Center for Biological Diversity
Central California Asthma Collaborative
Ceres
ChargerHelp
Circuit
City of Culver City
City of Elk Grove
City of Los Angeles
City of Santa Monica
City of Thousand Oaks
Clean Power Alliance
Climate Center
Coalition for a Safe Environment
Coltura
Communities for a Better Environment
Community Dreams
Community Environmental Council Santa Barbara
County of Los Angeles
Cruise
East Bay Community Energy
East Yard Communities for Environmental Justice
Electric Auto Association
Electric Vehicle Charging Association
Elders Climate Action, Norcal and SoCal Chapters
EMERGE
ENGIE Impact
Environment California
Environmental Defense Fund
EV Advocates of Ventura County
GRID Alternatives Greater Los Angeles
Harbor Trucking Association

Itron
Jobs to Move America
Lion Electric
Local Government Commission
Los Angeles Business Council
Motiv Power Systems
NAACP - San Pedro-Wilmington Branch # 1069
Natural Resources Defense Council
NextGen California
Nissan North America
Pacoima Beautiful
PCS Energy
Plug in America
Port of Los Angeles
Premium Transportation Services, Inc.
Reinhausen Manufacturing, Inc.
ROUSH CleanTech
Sierra Business Council
Sierra Club California
Southern California Edison
St. Philomena Social Justice Ministry
Total Transportation Services (TTSI)
Uber
Urb-E
USC Schwarzenegger Institute
Valley Vision
Ventura County Regional Energy Alliance
Watts Clean Air and Energy Committee
Watts Rising Collaborative
Wilmington Improvement Network
XOS Trucks

STATE: We have an opportunity this year to pass a strong Advanced Clean Fleet regulation at the California Air Resources Board



Drayage Trucks

- Only ZE Entries Starting 2023
- 100% ZE In-Use by 2035



Public Fleets

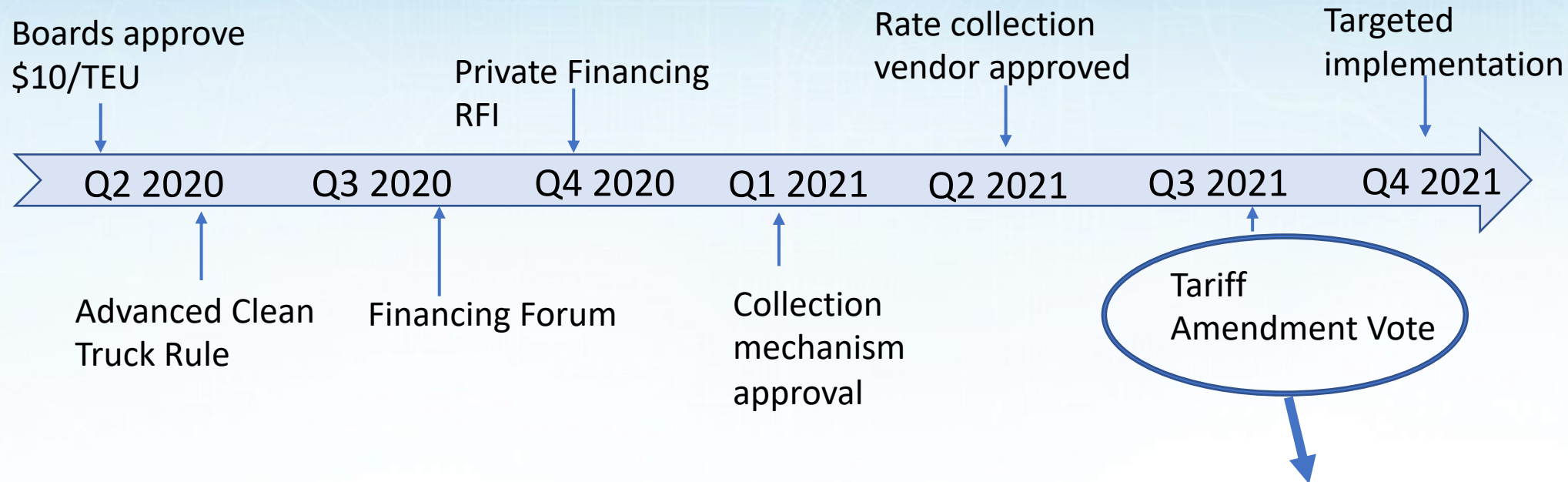
- 50% New Purchases are ZE 2024-2026
- 100% New Purchases are ZE starting in 2027



High Priority Fleets

- ZE In-Use Requirements
- 10% by 2025 & 100% by 2042
- % varies by truck type

LOCAL: It is crucial to advance a Clean Truck Fund that prioritizes ZE options, following through on lengthy development process



What is the Clean Truck Fund (CTF) Rate?

A rate, implemented by both Ports, charged to the Beneficial Cargo Owners (BCOs) of loaded containers moved in and out of port terminals with trucks that do not meet eligibility requirements.

LACI & TEP PRIORITIES

- **No incentive funding for NZE trucks**
- **No exemptions for NZE trucks**

LOCAL: We are excited to implement recently announced grants and are pursuing additional opportunities

RECEIVED NOTICE OF PROPOSED AWARDS

[California Energy Commission Blueprints for Medium- and Heavy-duty Zero-Emission Vehicles and Infrastructure](#)

- **An Investment Blueprint for Heavy-Duty Charging to Support Battery-Electric Drayage along the I-710 Corridor**
- **Going for Gold: A Blueprint to Catalyze Medium- and Heavy-Duty Charging Infrastructure Investments in the Los Angeles Region Preceding the 2028 Games**

[California Air Resources Board & California Energy Commission Zero-Emission Drayage Truck and Infrastructure Pilot](#)

California Joint Electric Truck Scaling Initiative: LACI is a subgrantee on this \$17M regional project led by AQMD

PENDING

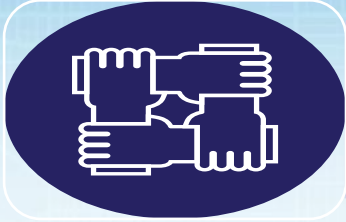
[California Energy Commission Research Hub for Electric Technologies in Truck Applications \(RHETTA\)](#)

Data science-enabled Electrification of Fleet Trucks (DEFT): LACI is a subgrantee on the regional proposal led by UCLA

[House Committee on Transportation and Infrastructure \(T&I\):](#)

Electric Vehicle Charging Infrastructure for Zero Emissions Goods Movement and Drayage Trucks: Congresswoman Barragan submitted this \$2M proposal from LACI to fund charging infrastructure at key locations along the I-710 corridor to accelerate the deployment of battery-electric drayage trucks.

Opportunities to collaborate with LACI to maintain momentum for accelerating deployments of trucks and infrastructure



- **Federal Stimulus**

- Strengthen regional coalition for ZE investment at Ports



- **State Budget**

- Enhance CA leadership in ZE goods movement



- **SB 551: California EV Authority**

- Support bipartisan bill for streamlined EV efforts



- **Advanced Clean Fleets**

- Advocate for strongest feasible rulemaking



- **Ports' Clean Truck Fund**

- Call for ZE-focused implementation

Contact us!

www.laci.org



@laincubator



www.linkedin.com/company/laincubator

Michelle Kinman

Senior Director of Transportation

michelle@laci.org

Jack Symington

Transportation Program Manager

jack@laci.org