



INUF Conference
May 27, 2022

LACI'S MISSION







LACI is building an inclusive green economy, with a focus on Southern California



PRIORITIES

STRATEGIES

IMPACT

	UNLOCKING INNOVATION through startups	MARKET TRANSFORMATION with partnerships	ENHANCING COMMUNITY on campus and in our neighborhoods	
 <p>TRANSPORTATION Transit & freight systems that are connected, shared and electric</p>	<p>Incubating and accelerating clean tech startups and helping commercialize their technologies</p>	<p>Accelerating clean tech adoption and system change by engaging key stakeholders and decision makers</p>	<p>Working in collaboration with local communities, identifying sustainability challenges, creating opportunities and building a workforce pipeline</p>	 <p>ENVIRONMENTAL GHG reduction, renewable energy generation, water savings and waste diverted</p>
	<p>EXECUTIVES IN RESIDENCE Best-In-Class Coaching And Advice</p>	<p>TRANSPORTATION ELECTRIFICATION PARTNERSHIP</p>	<p>DIVERSITY & INCLUSION PROGRAM</p>	
 <p>CLEAN ENERGY Integrated energy generation and storage systems</p>	<p>INVESTMENT PREP AND ASSISTANCE</p>	<p>ENERGY INNOVATION PROGRAM</p>	<p>WORKFORCE DEVELOPMENT</p>	 <p>SOCIAL Employment for underrepresented and the previously excluded, Increased female employment</p>
	<p>SHARED SERVICES</p>	<p>PILOTS & DEMONSTRATIONS</p>	<p>WOMEN IN CLEANTECH</p>	
 <p>SMART, SUSTAINABLE CITIES Circular economy: resilient food, water & waste systems</p>	<p>CUSTOMER ENGAGEMENT AND IMPACT</p>	<p>STRATEGIC PARTNERSHIPS</p>	<p>MIDDLE SCHOOL GIRLS PROGRAM</p>	 <p>ECONOMIC Engagement with disadvantaged communities, jobs created, hiring from workforce development programs</p>
	<p>ACCESS TO HIGH-VALUE RESOURCES</p>		<p>ADVANCED PROTOTYPING CENTER (APC)</p>	

Our Impact

We are reducing greenhouse gas emissions, improving air quality, creating jobs and building a green economy. We're also helping our startup companies make economic, social and environmental impact.



315
startups
served



\$679M
in funding



\$308M
in revenue



2430
jobs
created



\$543M
in long term
economic
impact



MARKET
TRANSFORMATION

We convene partnerships with policymakers, innovators and market leaders in transportation, energy and sustainable cities.



TRANSPORTATION ELECTRIFICATION
PARTNERSHIP (TEP)



PILOT PROJECTS



PARTNERSHIPS & POLICY



Transportation Electrification Partnership

LEADERSHIP GROUP



ADVISORY GROUP FOUNDING PARTNERS



ADVISORY GROUP ASSOCIATE PARTNERS



ADVISORY GROUP SUPPORTING PARTNERS

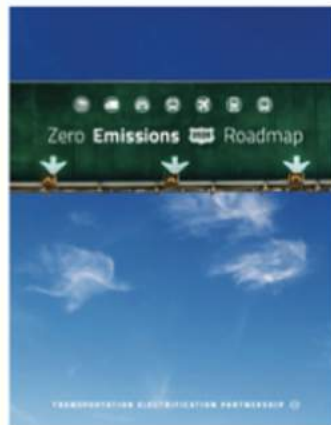


The Transportation Electrification Partnership is an unprecedented regional public-private collaboration to accelerate deep reductions in climate and air pollution by the time of the 2028 Olympic and Paralympic Games by pursuing bold targets, pilots, initiatives, and policies that are equity-driven,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

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

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 Mobility Pilots

Pacoima

EV Car Share



- Revenue share model with CBO partner established program sustainability
- Pacoima Beautiful was the community outreach and program partner
- Nissan Leaf S+ model provided long range trip accessibility
- Launched wellness campaign to provide access to drive-thru vaccination efforts
- Proved off grid EV charger viability for EV car shares
- Two EV car share users were converted to ZE vehicle owners

San Pedro

EV Car Share



- Built a funding model for EV car shares at subsidized housing communities leading to draft legislation for scaling nationally
- Program exposed need for larger EVs to accommodate households with 4+ family members
- Replaced ICE trips and offered time savings for consolidating errands
- E-bike share pilot will be launched in 2022 creating a ZE multi-modal hub for the Rancho San Pedro residents

Leimert Park

Free Neighborhood Electric Shuttle,
Commuter and Courier E- Bikes,
& Software Platform for Ghost Kitchens



- Increased local business and personal economic growth through first / last mile transportation access
- Addressed traffic congestion and parking constraints
- Most frequently used by 65+ age group
- NEV shuttle was often used for as a first / last mile connection to public transit
- Three CBOs lead community outreach and education
- Sponsorship was secured and offset the operations cost allowing for extended service
- Community partners will build on pilot success with a CARB funded 5 yr project

Santa Monica

The Nation's First Zero-Emissions Delivery Zone



- Develop a blueprint for cities to adopt zero emissions delivery zones for last mile delivery & best practices for other ZE zones.
- Immediate benefits to the local community – reduced air pollution, GHG emissions, noise and congestion - as well as improved safety
- Provide economic opportunity to small businesses and individuals through access to zone benefits.
- Partners committed include City, CBOs, delivery operators, and tech startups



We are leading regional assessments, implementing grants, and influencing regulations to accelerate adoption of Class 8 ZE trucks/infrastructure along the I-710 Corridor

INITIAL ECOSYSTEM ASSESSMENTS

RFI on ZE Goods Movement

- In 2018, LACI partnered with CARB, CEC and the San Pedro Bay Ports to conduct a Request for Information on the state of zero emissions truck/infrastructure technology. Key takeaways included the coming availability of many models of battery-electric trucks, as well as a need to focus on installing infrastructure in the near term at strategic locations to ensure the confidence of truck owners/drivers.

Site Assessments for BEV Truck Depots

- In 2020, LACI connected with various fleets and facilities interested in deploying heavy-duty truck charging to create budgets and engineering layouts for charging infrastructure, creating nine shovel-ready projects to pair with eligible funding opportunities

GRANTS SECURED AND KICKED OFF FALL 2021

CEC 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 LA Region Preceding the 2028 Games

CARB & CEC 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

REGULATORY INPUT

Advanced Clean Fleets

- LACI is coordinating with TEP members as well as a coalition of environmental and labor stakeholders to address structure of ACF rule, prioritizing the goals set by EO N-79-20 as well as the Ports' CAAP

Ports Clean Truck Fund

- LACI has provided input to the Port of LA on the structure of Clean Truck Fund tariff and disbursement program to maximize focus on ZEV/Infrastructure subsidies

Jack Symington
Sr. Program Manager, Transportation
jack@laci.org

