

Sustainability at Every Size: How Any Local Government Can Move the Needle on Climate

Tuesday, April 18, 2023

2:00 pm – 3:00 pm

THANK YOU FOR JOINING

Webinar Host & Moderator

Nikita Sinha

Program Manager

Institute for Local Government



TODAY'S AGENDA

Welcome, Logistics & Introductions

Presentations from:

Katie Bailey, City of Rancho Cucamonga

Erica Mertens, Town of Truckee

Ryan Lau, Alameda-Contra Costa Transit District

Q&A

Wrap Up

HOW TO ASK A QUESTION

- All webinar participants will be on MUTE during the entire call.
- Please TYPE any questions into the question box at any time during the webinar.
- The moderator will read your questions during the question period at the end of the webinar.



ILG IS NON-PROFIT, NON-PARTISAN & HERE TO HELP

- ILG is the non-profit training and education affiliate of three statewide local government associations
- Together with our affiliates, we serve over 2,500 local agencies – cities, counties and special districts
- We provide practical and easy-to-use resources so local agencies can effectively implement policies on the ground



**California Special
Districts Association**
Districts Stronger Together

OUR PROGRAMS AND SERVICES

Program Areas

Leadership & Governance

Civics Education & Workforce

Public Engagement

Sustainable & Resilient Communities



Services

Education & Training

Technical Assistance

Capacity Building

Convening

Our mission is to help local government leaders **navigate complexity**, **increase capacity & build trust** in their communities

WHAT IS THE BEACON PROGRAM?



The Beacon Program provides a framework for local governments to **share best practices** and be **recognized** for voluntary efforts to take climate action in ways that make sense for their communities.

BEACON: CELEBRATING LOCAL LEADERS



TODAY'S PRESENTERS

Katie Bailey
Management Analyst II
City of Rancho
Cucamonga



Erica Mertens
Diversity, Equity, and
Inclusion Program
Manager
Town of Truckee



Ryan Lau
External Affairs
Representative
Alameda-Contra Costa
Transit District





**RANCHO
CUCAMONGA**

CLIMATE ACTION PLAN

PLAN DEVELOPMENT

Developed as a companion document to the City's 2021 General Plan Update:



Supports General Plan development goals



Outlines policies for GHG emission reductions



“Qualified” plan under State regulations
(CCR Section 15183.5[b])

CORE VALUES



HEALTH



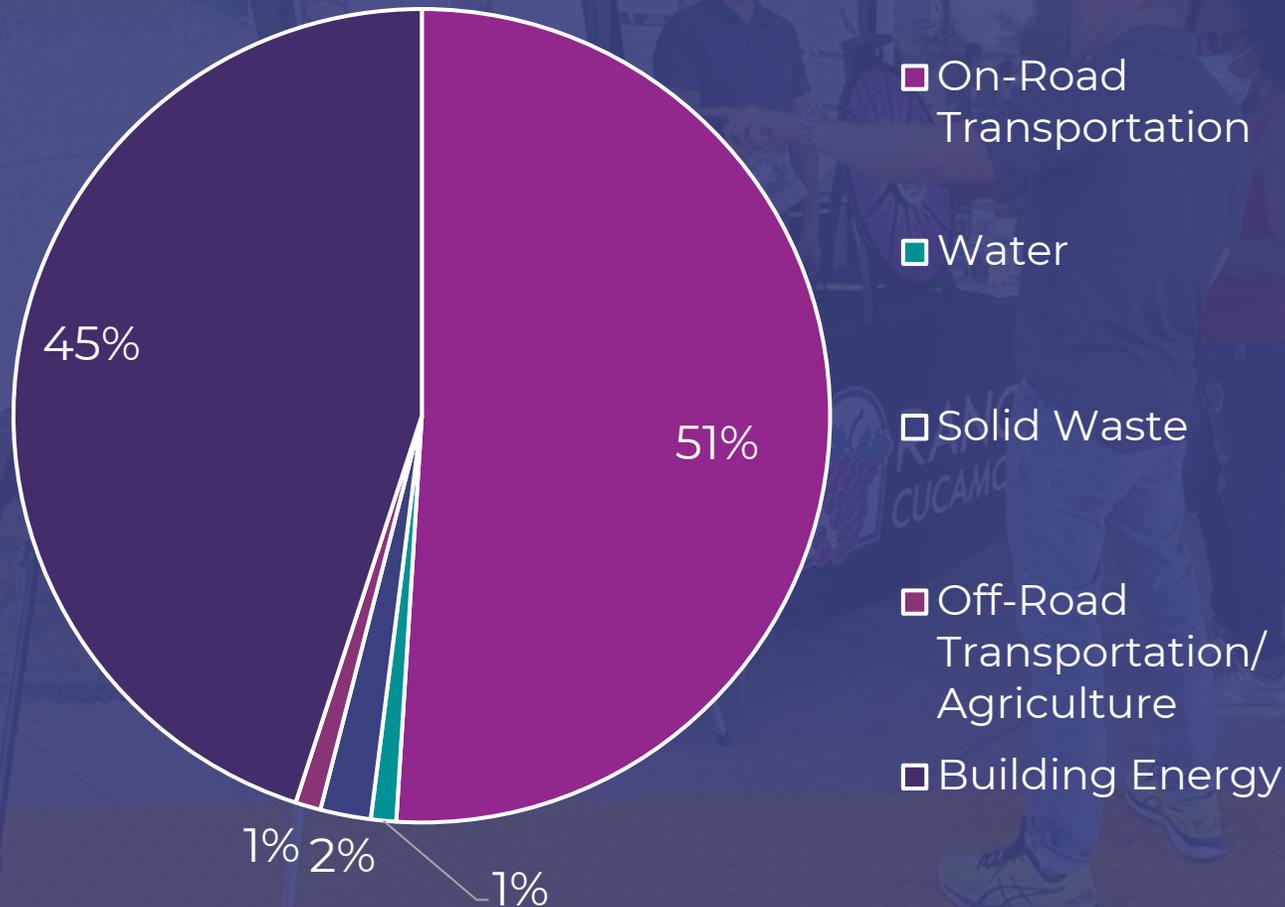
EQUITY



STEWARDSHIP

GHG INVENTORY & TARGETS

2018 Community Greenhouse Gas Emissions Inventory



Greenhouse Gas Emission Reduction Targets:



31% below 2018 Community GHG Emissions by 2030



47% below 2018 Community GHG Emissions by 2040

IMPLEMENTATION

Build on creating a world-class community that is safe, equitable, and resilient by reducing contributions to climate change and encouraging the community to join in this future

MOBILITY

Improving access to alternative transportation options

Zero Emission & Clean Fuels

Sustainable Transportation

DEVELOPMENT

Prioritizing energy-efficient + carbon-free buildings and expanding access to green space

Efficient & Carbon Free Buildings

Renewable & Zero Carbon Electricity

Carbon Sequestration

RESOURCES

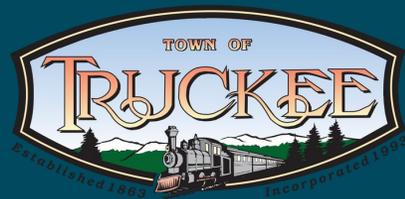
Supporting the efficient use and management natural resources

Local Food Sources

Water Efficiency & Management

Waste Management

Equitable Community Engagement



Erica Mertens
Diversity, Equity & Inclusion
Program Manager



OVERVIEW



Community involvement in identifying strategies



Equitable engagement focus



Impact on today's programs



RECOGNITION

STAFF & CONSULTANTS

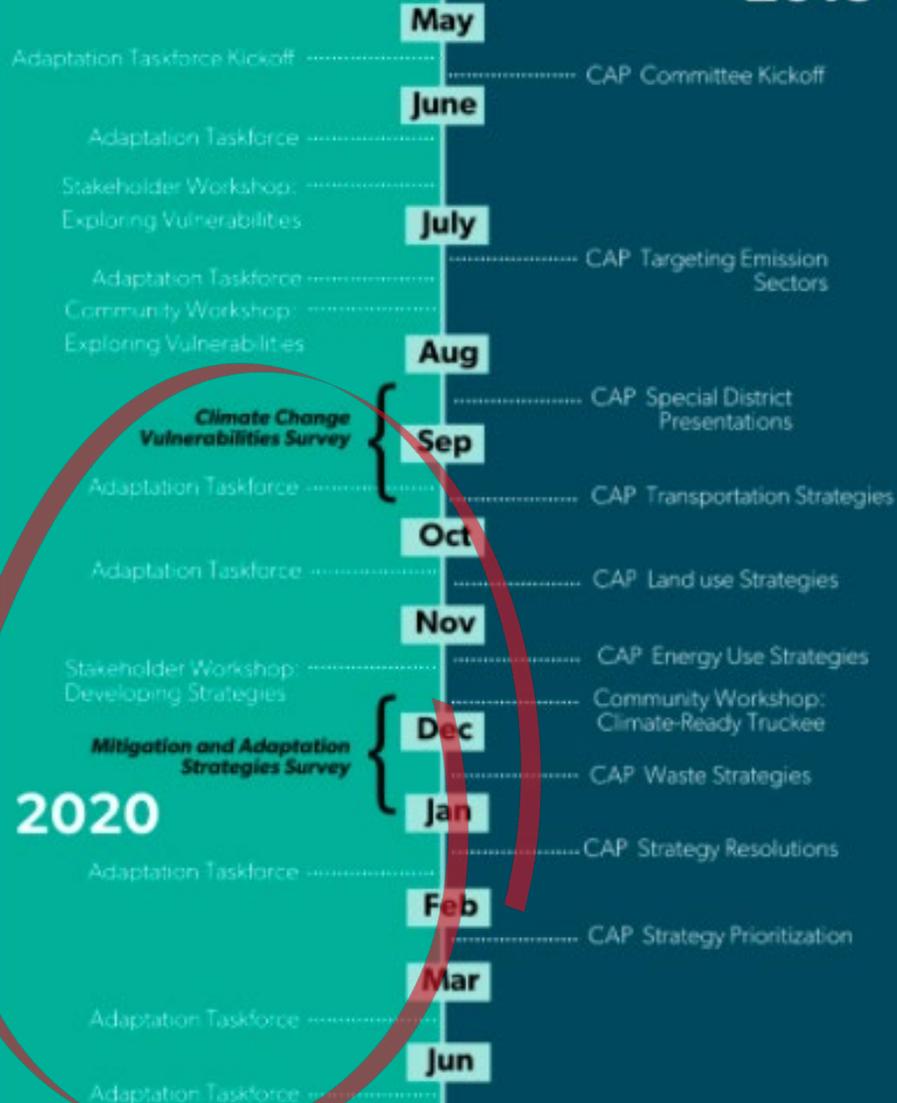
Nicholas Martin
Gillian Greenberg
Erin Ronald
Jeff Loux

Geos Institute
Tonya Graham
Marni Koopman



ENGAGEMENT ON CLIMATE

2019



STAKEHOLDER WORKSHOPS

BROAD COMMUNITY OUTREACH

COMMUNITY WORKSHOPS

SURVEYS

STAKEHOLDER WORKSHOP

TECHNICAL ADVISORY COMMITTEE +
INVITED PARTNERS

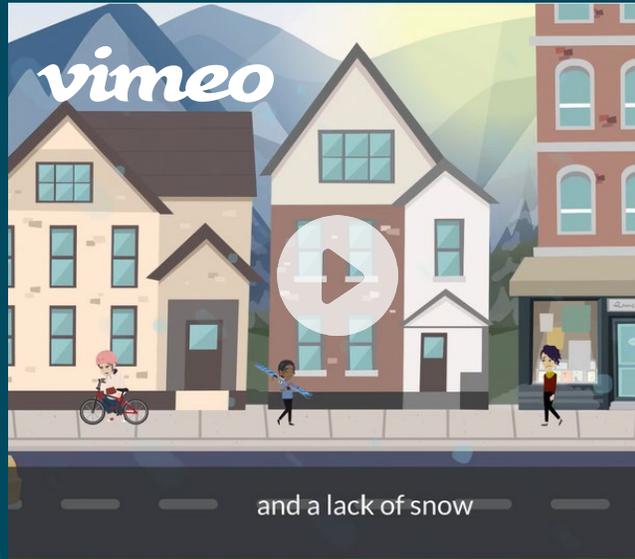
31 organizations present

Full day workshop developing & prioritizing
strategies after reviewing vulnerabilities primer

Prioritized strategies across all sectors



BROAD OUTREACH



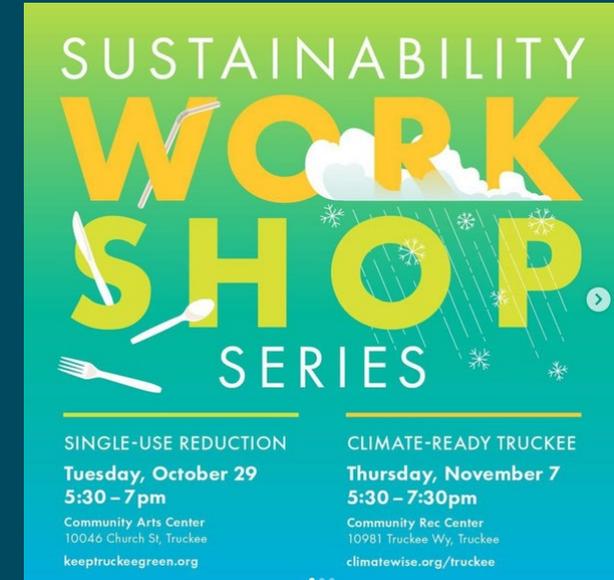
VIDEOS

Snippets to give background on the issues and encourage engagement



TABLING EVENTS

Interactive activities and survey opportunity



SOCIAL MEDIA

Paired with greater related sustainability outreach efforts

CLIMATE READY TRUCKEE

SOLUTIONS WORKSHOP



Truckee needs your help. Our climate is changing, with hotter summers and more extreme storms. Together we can create solutions to reduce their impact. Join us to plan for our community's future, and make your voice heard. *Spanish translation services will be available.*

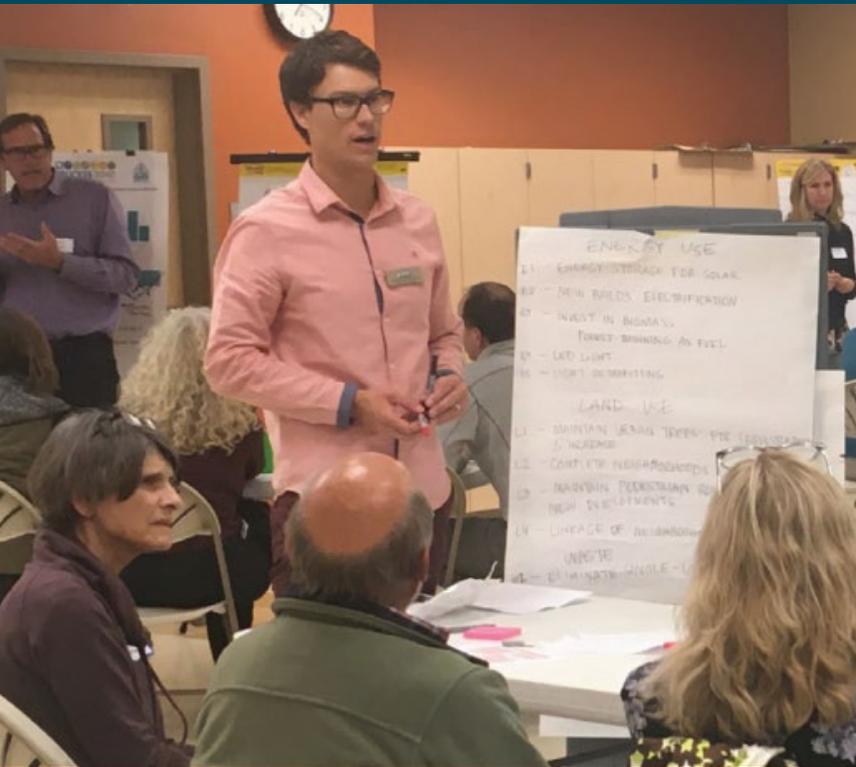
keeptruckeegreen.org

Thursday, Nov 7
5:30 – 7:30pm

Community Rec Center
10981 Truckee Wy, Truckee



COMMUNITY WORKSHOP



PRESENTATIONS

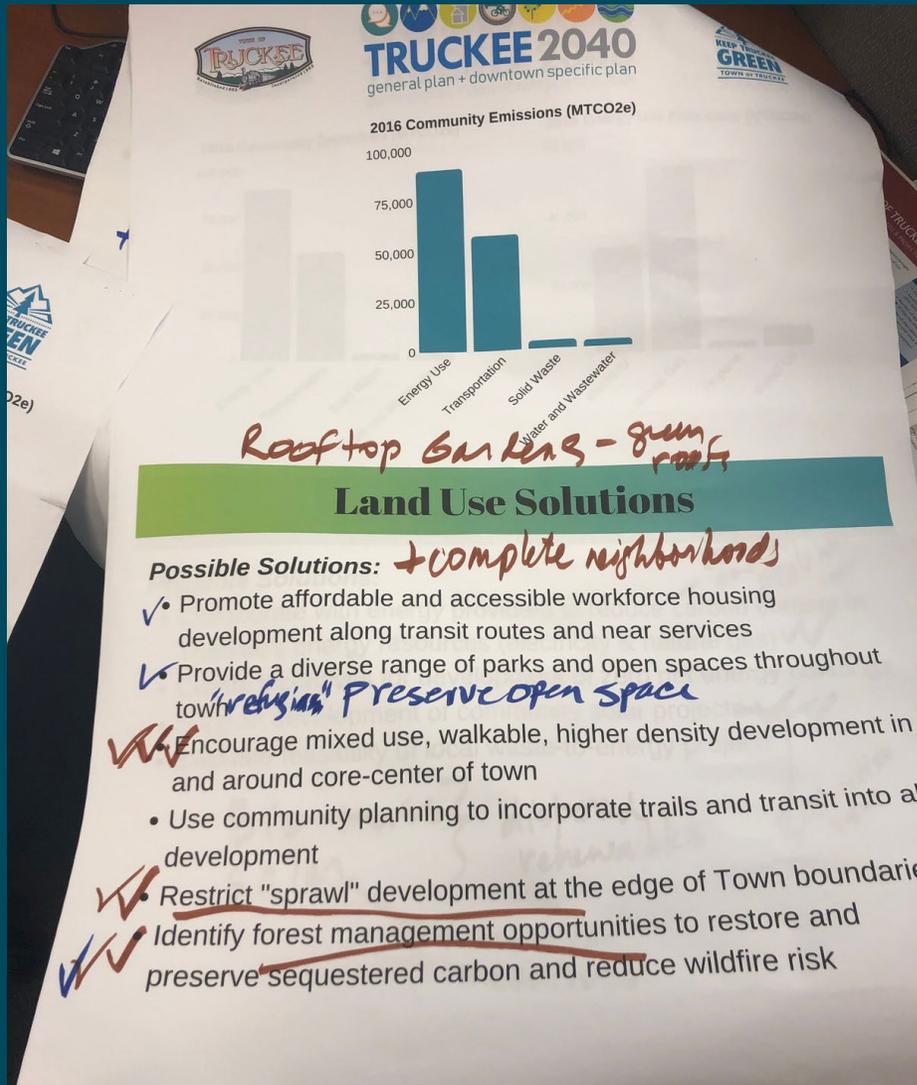
Combined mitigation & adaptation to provide background

GROUP DISCUSSIONS

Community members in 5-7 people/ group
Brainstormed strategies by sector
Dot exercise to prioritize strategies

CHANGE VENUE & ATMOSPHERE

Held at Community Rec Center
Poet, song performance, inspirational speaker,
collaborative art
Childcare, interpreter, food!



SOLUTIONS IDENTIFIED FROM
STAKEHOLDER WORKSHOP

- ENERGY USE**
- E1 - ENERGY STORAGE FOR SOLAR
 - E2 - NEW BUILDS ELECTRIFICATION
 - E3 - INVEST IN BIOMASS
FOREST THINNING AS FUEL
 - E4 - LED LIGHT
 - E5 - LIGHT RETROFITTING
- LAND USE**
- L1 - MAINTAIN URBAN TREES FOR SEQUESTRATION & INCREASE
 - L2 - COMPLETE NEIGHBORHOODS
 - L3 - MAINTAIN PEDESTRIAN ROUTES IN NEW DEVELOPMENTS
 - L4 - LINKAGE OF NEIGHBORHOODS
- WASTE**
- W - ELIMINATE SINGLE-USE

STRATEGIES FROM COMMUNITY
MEMBERS

COMMUNITY SURVEYS

SURVEYS COLLECTED

256 surveys in English
26 in Spanish
online promotions
after public workshop

FOLLOWING WORKSHOP

Community surveys
augmented the
community workshops,
providing outlet for
those who could not
attend

BILINGUAL

Surveys were available
in English & Spanish

RANKING

Ranked support of
strategy on 1-5 scale
from identified
strategies in
community &
stakeholder workshops

EQUITABLE ENGAGEMENT



FIND KEY ALLIES

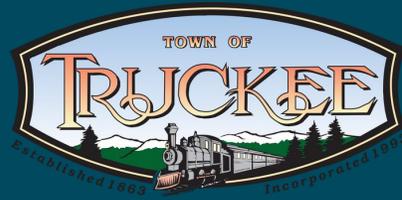
Local Promotoras community leaders

GO TO THE PEOPLE, INSTEAD OF ASKING TO COME TO YOU

Went to schools, apartment complexes

CULTURAL FRAMING

Identify the driving issues for the cultural group you are targeting



Thanks!

Erica Mertens

emertens@townoftruckee.com



Institute for Local Government Sustainability at All Sizes

**Ryan Lau
External Affairs Representative
April 18, 2023**

AC Transit Overview



IN OPERATION SINCE

1960

A stand-alone special district governed by a **publicly-elected board of directors**

We are the 3rd largest:

- Bus-only transit agency in the United States, based out of Oakland in the San Francisco Bay Area
- Public transit agency in the San Francisco Bay Area



Operates a fleet of:

640 BUSES
& 6 FACILITIES



Has a workforce of over

2,200
EMPLOYEES

THE LARGEST public bus-only system in California

Provides transit service for

1.5 million

East Bay residents who populate our

364 SQUARE MILE SERVICE AREA



CONNECTS TO:

16

Other Public and Private Bus Systems

25

Bart Stations

6

Amtrak Stations

5

Ferry Terminals

ZERO EMISSION



- ❑ **Leader in advancing zero emission technology since 2000**
- ❑ **Implemented one of the nation's most comprehensive ZEB programs**
- ❑ **Started with hydrogen fuel cell electric bus technology (FCEB), and since expanded to include battery electric buses (BEB).**

A HISTORY OF LEADERSHIP



How We're Fighting Climate Change



- 37 active Zero Emission Buses (ZEB)
 - 30 Fuel Cell Electric Buses (FCEB)
 - 7 Battery Electric Buses (BEB)
 - 21 more Battery Electric Buses in this year
- Over 5M Zero Emission miles travelled
- Over 13K metric tons of CO₂ emission

ZEB ACHIEVEMENTS



TECHNICAL

- ❑ Deployed 4 generations of fuel cell buses
- ❑ Over 5M Zero Emission miles, exceeding FTA/DOE Targets
- ❑ Ultimate target 25K hours
- ❑ One fuel cell reached over 35K hours
- ❑ Reliability performance at or above diesel
- ❑ Combined two end-of-life fuel stacks into a fully functional fuel cell stack



ZEB 5X5 STUDY

ZERO EMISSION TRANSIT BUS TECHNOLOGY ANALYSIS

World's first comparison of Battery & Fuel Cell Buses



5 different bus types: Diesel, Hybrid, Battery Electric, Fuel Cell Electric, Legacy FC



Same routes, operating bus division, pool of Bus Operator



Same key performance indicators



BATTERY ELECTRIC BUS



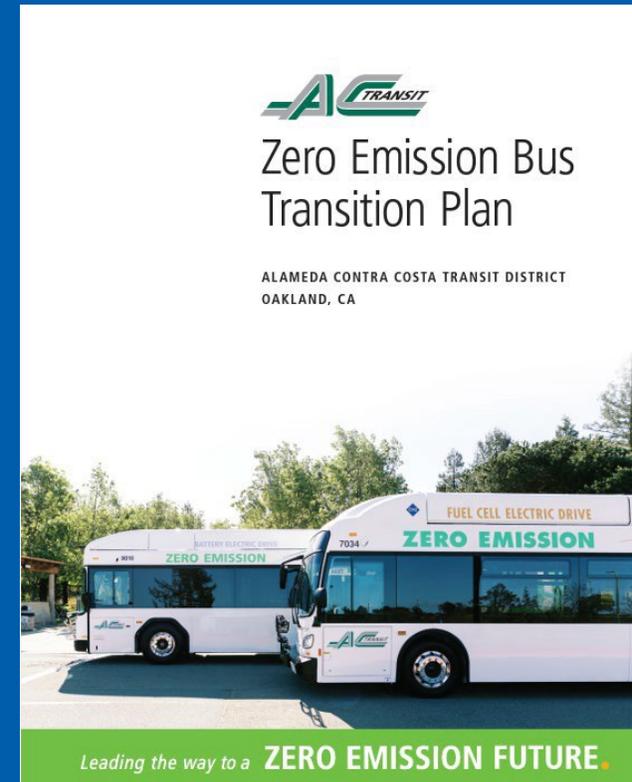
FUEL CELL ELECTRIC BUS



ZEB TRANSITION PLAN



- ❑ 100% ZEB transition by 2040
- ❑ Clean Corridors Plan – prioritizes ZEB deployment into disadvantaged communities
- ❑ 70% FCEB, 30% BEB



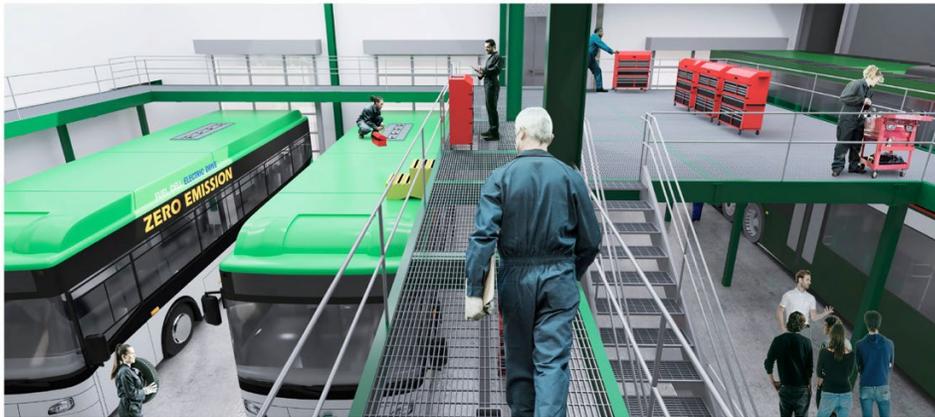
Forging the Future Through New Policy

AB 2622 – Exempt public transit agencies from state sales tax for purchase of zero emission buses

AB 463 - During public safety power shut-off or natural disaster events -
Would prioritize public transit along with hospitals, first responders and communications infrastructure



Training the next generation workforce



- Create the foremost clean transit training center to create an “advanced learning lab”
 - Prepare workers to operate and service the high-tech fleets of the future
 - Utilizing augmented reality to safely train on high-voltage systems
 - Allows the agency to leverage training across the country
 - Connect our community to the green economy.

Thank You!



Zero Emission Bus Transition Plan

ALAMEDA CONTRA COSTA TRANSIT DISTRICT
OAKLAND, CA

Ryan Lau
rlau@actransit.org



Leading the way to a **ZERO EMISSION FUTURE.**

QUESTIONS & DISCUSSION



HOW TO JOIN BEACON



Visit ca-ilg.org/BeaconProgram

- Fill out an online application
- Submit a resolution from your governing body

BEACON SPOTLIGHT & VANGUARD AWARDS

Spotlight Award <small>Areas of Achievement</small>	Silver Level	Gold Level	Platinum Level	Lithium Level
Agency GHG Reductions	<p>5% reduction</p>	<p>10% reduction</p>	<p>20% reduction</p>	<p>Surpass state goals in GHG emission reductions</p>
Community GHG Reductions				
Agency Electricity Savings				
Agency Natural Gas Savings				
Sustainability Best Practice Activities	1 in each of 10 categories	3 in each of 10 categories	6 in each of 10 categories	
BEACON VANGUARD AWARD	Silver Level Beacon Vanguard	Gold Level Beacon Vanguard	Platinum Level Beacon Vanguard	

BEACON LEADERSHIP AND INNOVATION AWARDS



Project-Based Competitive Award Categories

Leadership in Climate Resilience

Cross-Agency Collaboration in Climate Adaptation

Equity and Engagement in Sustainability and Climate

Innovation in Clean Transportation

Innovation in Clean Energy

BEACON IMPORTANT DATES



- **May 1:** Applications close for special districts
- **July 7:** Applications close for cities and counties
- **Aug – Sept:** Notification of award recognition
- **October:** Beacon Awards recognition

JOIN OUR WIDESPREAD NETWORK OF LOCAL GOV'T LEADERS



58 Counties

482 Cities

2,500+ Special Districts

20,000+ Local Agency Leaders

www.ca-ilg.org/stayinformed



@instlocgov



Institute for Local Government



@InstituteForLocalGovt



THANK YOU!



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Diversity, Equity, and
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Government

**Thank you
for joining us!**