



LOVE OUR GREEN ISLAND

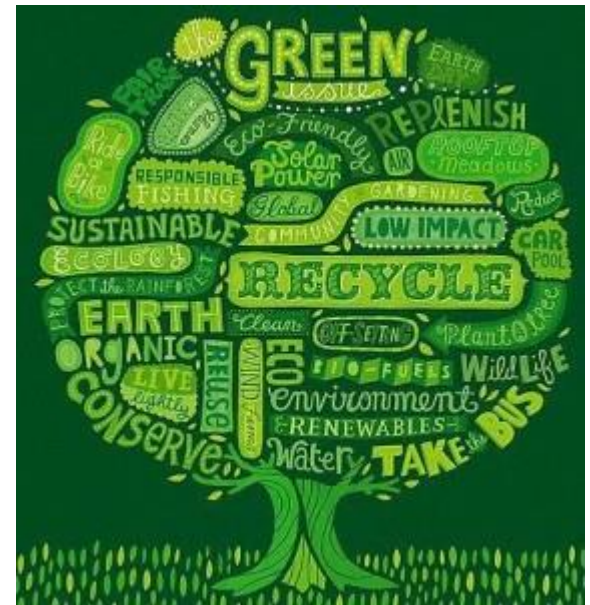
A COMMUNITY CLIMATE CHANGE WORKSHOP

May 23, 2017

LOVE OUR GREEN ISLAND

Agenda

- Welcome/Introductory Remarks
- Overview
- Accomplishments
- Next Steps
- Survey
- Q & A
- Break-out Tables



Source: The Synergy Centre

Welcome/Introductory Remarks

Love Our Green Island Town Hall Meeting

Celebrating our successes
and brainstorming
What's Next



Source: Bay Area News Group

Overview - Local Action Plan for Climate Protection



LOCAL ACTION PLAN FOR CLIMATE PROTECTION

PREPARED BY THE CITY OF ALAMEDA
CLIMATE PROTECTION TASK FORCE AND THE
PLANNING AND BUILDING DEPARTMENT

As Part of the Cities for Climate Protection Campaign

Adopted by the City Council of the City of Alameda on
February 5, 2008



City of Alameda Planning and Building Department
2263 Santa Clara Avenue, Room 190, Alameda, CA 94501

GOAL: Reduce GHG
emissions to 25% below
2005 baseline by 2020

“LAPCP”

Overview - Local Action Plan for Climate Protection

A BRIEF HISTORY OF THE BEGINNINGS OF CLIMATE PROTECTION IN ALAMEDA

2005 – Alamedans for Climate Protection

2006-2008 – Climate Protection Task Force

February 5, 2008 – City Council Adoption of Local Action Plan

September 17, 2008 – First CASA community meeting

Local Action Plan for Climate Protection

TOP 7 EMISSIONS REDUCTION INITIATIVES

The initiatives listed below were identified in
Alameda's Local Action Plan for Climate Protection
as the 7 most significant actions that can be taken to reduce emissions and contribute
towards meeting the goal of the local action plan.



ADOPT "ZERO WASTE STRATEGY" PROGRAMS AND ORDINANCES



DEVELOP A MULTI-FACETED COMMUNITY OUTREACH PROGRAM TO INCREASE PUBLIC AWARENESS AND PARTICIPATION IN GREENHOUSE GAS REDUCTIONS



Encourage the Alameda Public Utilities Board to require that
ALAMEDA MUNICIPAL POWER
maintain and expand its source mix to
100% CARBON-FREE SOURCES

Amend the Alameda Municipal Code to include
SUSTAINABLE DESIGN & GREEN BUILDING STANDARDS
for all new, substantially expanded, and remodeled
buildings



CONVERT FERRY FLEET TO BIODIESEL



CONVERT CITY VEHICLE FLEET TO ALTERNATIVE FUEL VEHICLES



Require that all **NEW MAJOR DEVELOPMENTS'** short & long
term **TRANSPORTATION EMISSIONS IMPACTS ARE
REDUCED BY 10%**



MISSION STATEMENT

CASA (Community Action for a Sustainable Alameda) is a community-wide coalition that will raise awareness, mobilize community action, and facilitate implementation of programs to achieve the goal of Alameda's Local Action Plan for Climate Protection (to reduce Alameda's carbon emissions to 25% below 2005 levels by the year 2020) and to increase community sustainability and well-being.



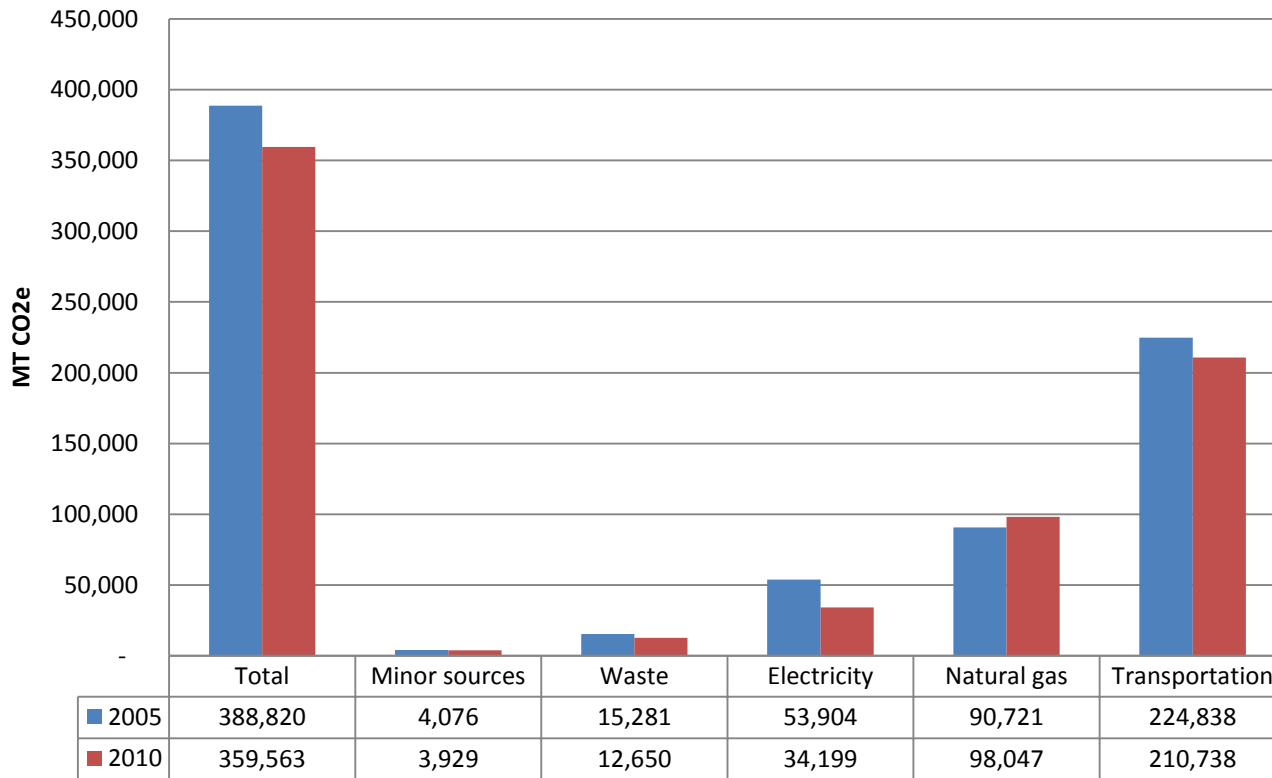
VISION STATEMENT

By 2020 the City of Alameda will be a community whose actions are based on the principles of sustainability and carbon neutrality. We will have met, or exceeded, our community's goal of reducing carbon emissions to 25% below 2005 levels. We will continue to challenge ourselves to conform to or surpass emissions reduction goals and standards established internationally, nationally and by the State of California.

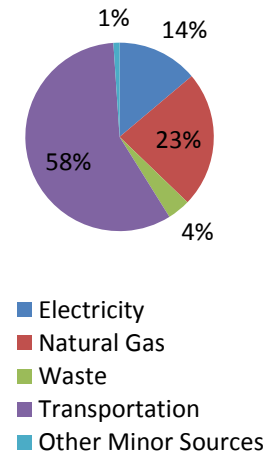
Using less energy and resources, we will progressively become a more environmentally conscious, resilient, abundant and sustainable community achieving for now and for future generations the highest feasible standards for the well-being of Alameda's residents, its bioregion, and the Earth as a whole.

LAPCP Progress by 2010

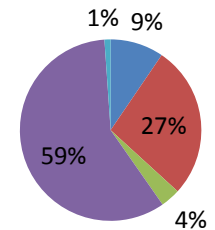
Figure 1: Emissions Trends by Source, 2010-2005



Emissions in 2005



Emissions in 2010



Accomplishments: Waste



Accomplishments: Waste

- Support CASA, Miss Alameda Says Compost, AUSD's Green Schools Challenge, and outreach to local businesses and apartment buildings
- Polystyrene Ban (2008)
- Zero Waste Implementation Plan (2010)
- City/County Mandatory Recycling Ordinance (2012-2014)
- County Plastic Bag Ban (2013-2017)
- Recycling and composting in high-visibility public areas and public events



Accomplishments: Waste



- Sorters unionize in 2016
- Franchise is in best financial condition in more than a decade

Accomplishments: City and Public Works

Our street trees
capture 9,120 tons
of pollutants

Taking care of trees
in 2017-2019:

7,005
trees pruned

200
trees planted

200
diseased trees
treated



Sustainability awards



**ACCREDITED
AGENCY**



-29%

or
360 million gallons of water

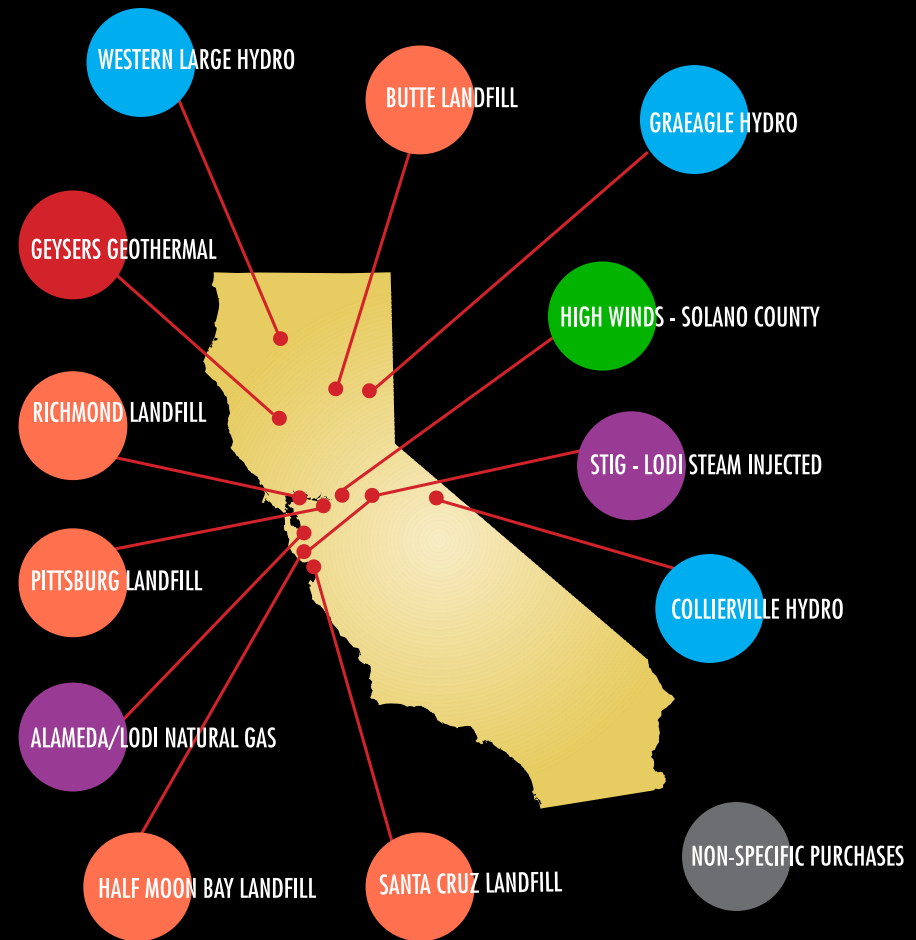
Accomplishments: Electricity

Alameda Municipal Power (AMP):

- 130 years old
- Community-owned
- Overseen by Public Utilities Board
- High reliability
- High customer satisfaction

AMP transitioned to high level of renewable power in the 1980s

- Geothermal
- Landfill gas
- Hydroelectric
- Wind



Accomplishments: Electricity

Local Action Plan for Climate Protection Energy Initiatives:

- Expand power mix to 100% carbon-neutral energy
- Provide technical assistance and, if possible, funding to encourage residents and businesses to be energy efficient
- Support sustainable design and green building standards

Accomplishments: Electricity



\$25 million



Accomplishments: Electricity

RESIDENTIAL ENERGY EFFICIENCY

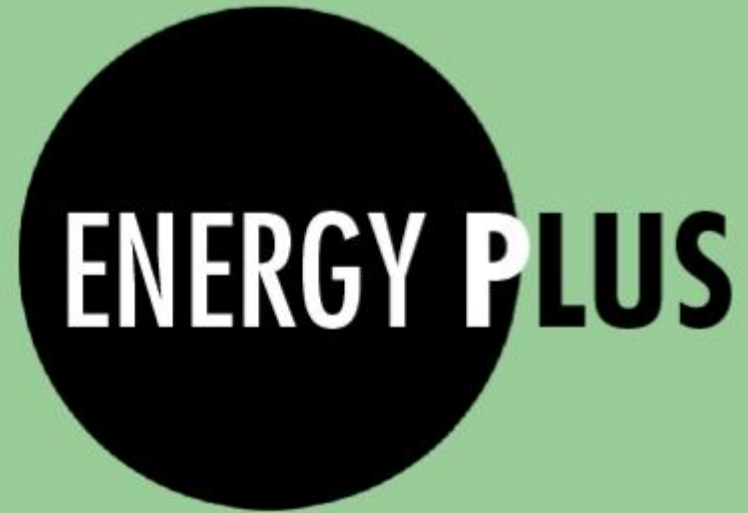
- 2 LEDs mailed to every household
- In-store discounted LEDs
- Appliance rebates



Accomplishments: Electricity

COMMERCIAL ENERGY EFFICIENCY

- Highest energy-efficiency rebates ever
- AMP manages the work.



Accomplishments: Electricity

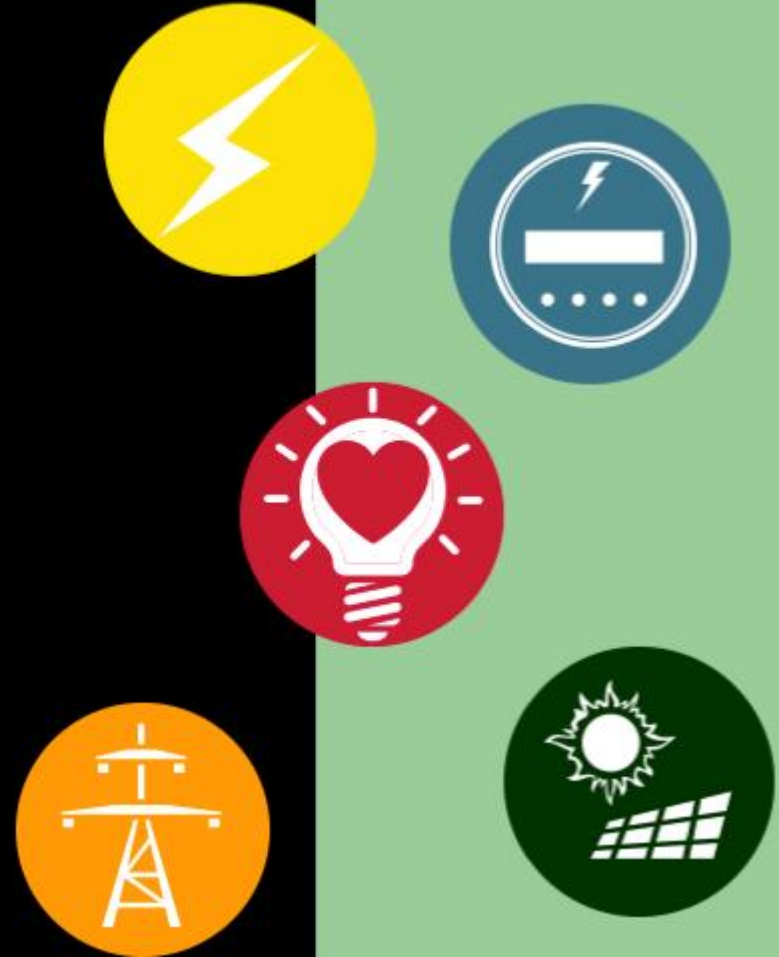
CIVIC CENTER PARKING GARAGE

- Reduced \$51,000 electric bill by 75%
- 900,000 kWh annual reduction
- 280 metric tons of GHG



Accomplishments: Electricity

- Two new renewable power contracts
- Street lights
- Smart meters
- More energy-efficient substation equipment
- Energy efficiency program for low-income (in development)
- Community solar facility (in development)



Accomplishments: Electricity



Alameda's Choice for 100% Renewable Energy



NEW CONSTRUCTION

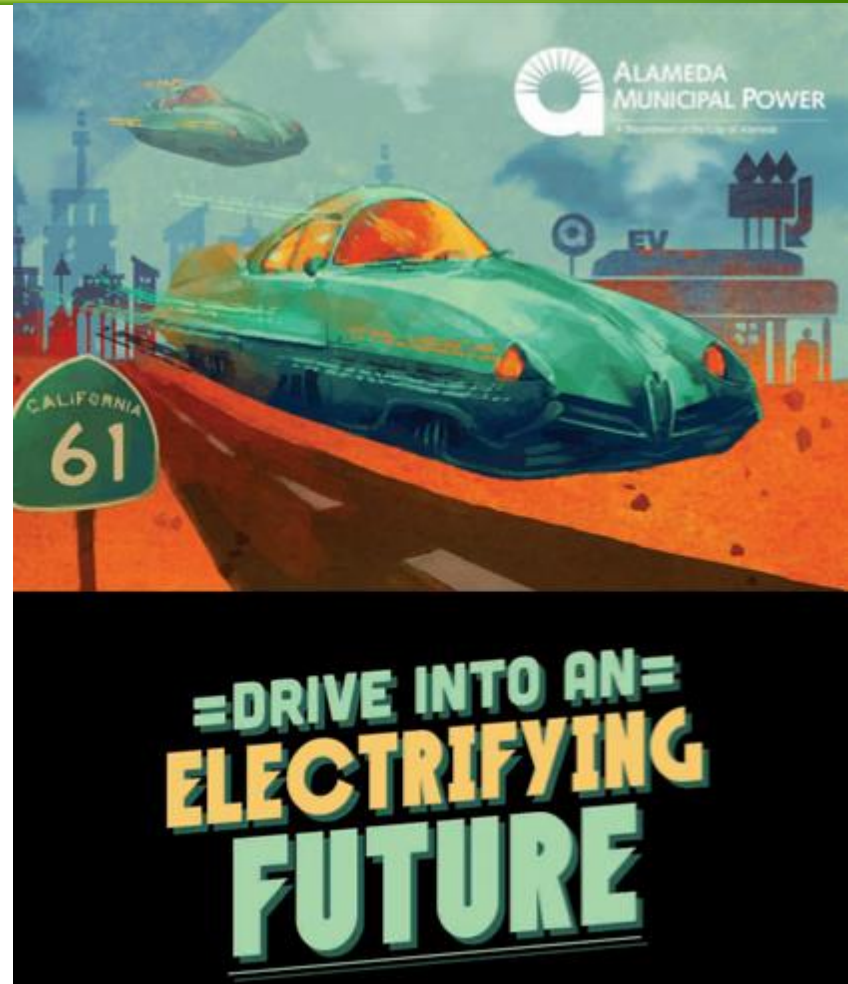
Rebates for exceeding Title 24 by 10%

LOVE OUR GREEN ISLAND

Accomplishments: Electricity

electric ehicles

- Level 3
EV chargers for public use
- Level 2
EV chargers for AMP fleet
- AMP fleet vehicles are EV or hybrid
- New EV programs coming!



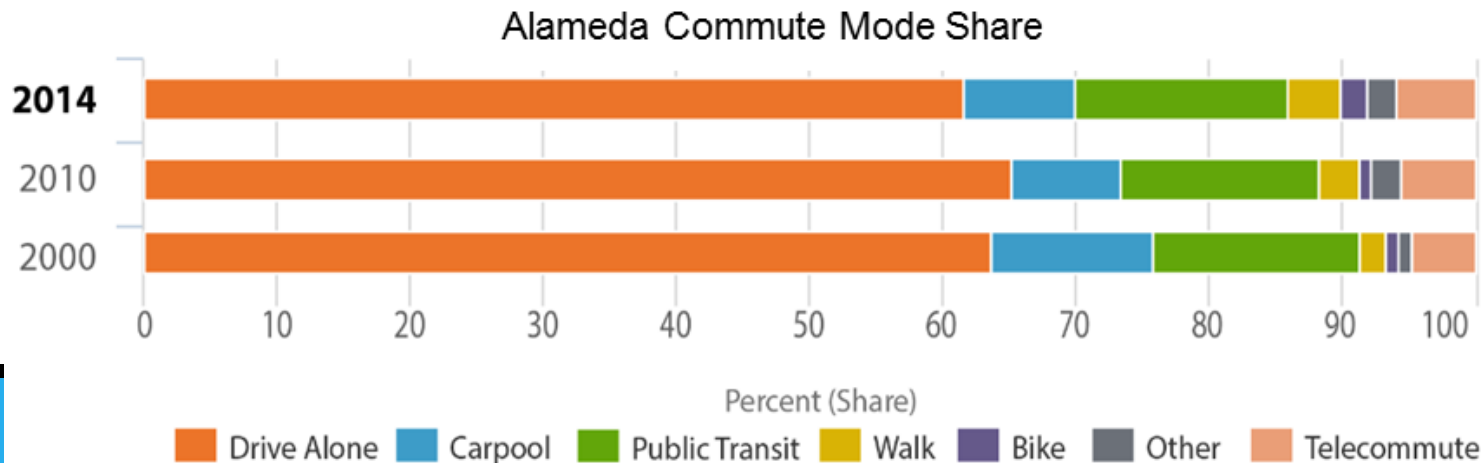
Accomplishments: Electricity



**PUBLIC POWER MEANS A
GREENER
COMMUNITY**

Transportation – Big Picture

- Increased congestion and cost of living
- New transportation technology
- Decrease in solo driving
 - Transit commuters increased to 16% in Alameda
 - 22% of young people not getting driver's license



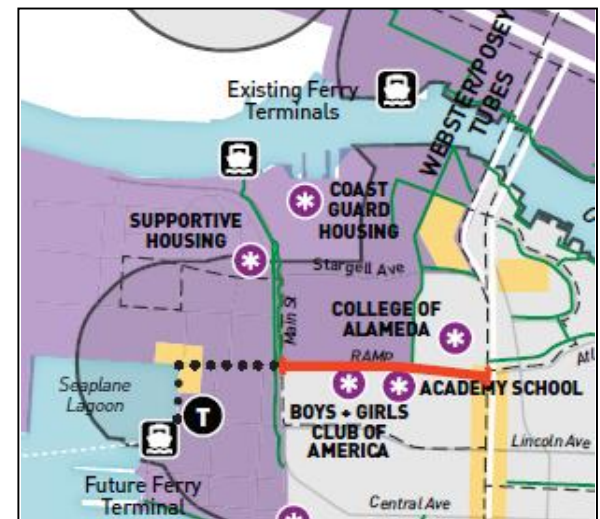
Transportation – Recent Actions

- Transit Improvements
 - Improved transit frequencies
 - Restored Line 19 with developer participation
 - Ferry service to South S.F. and Oakland jobs
- Bikeway Improvements
 - Increased bikeway mileage from 35 in 2010 to 41 in 2017
 - Shoreline bikeway
- Private Sector Partnership

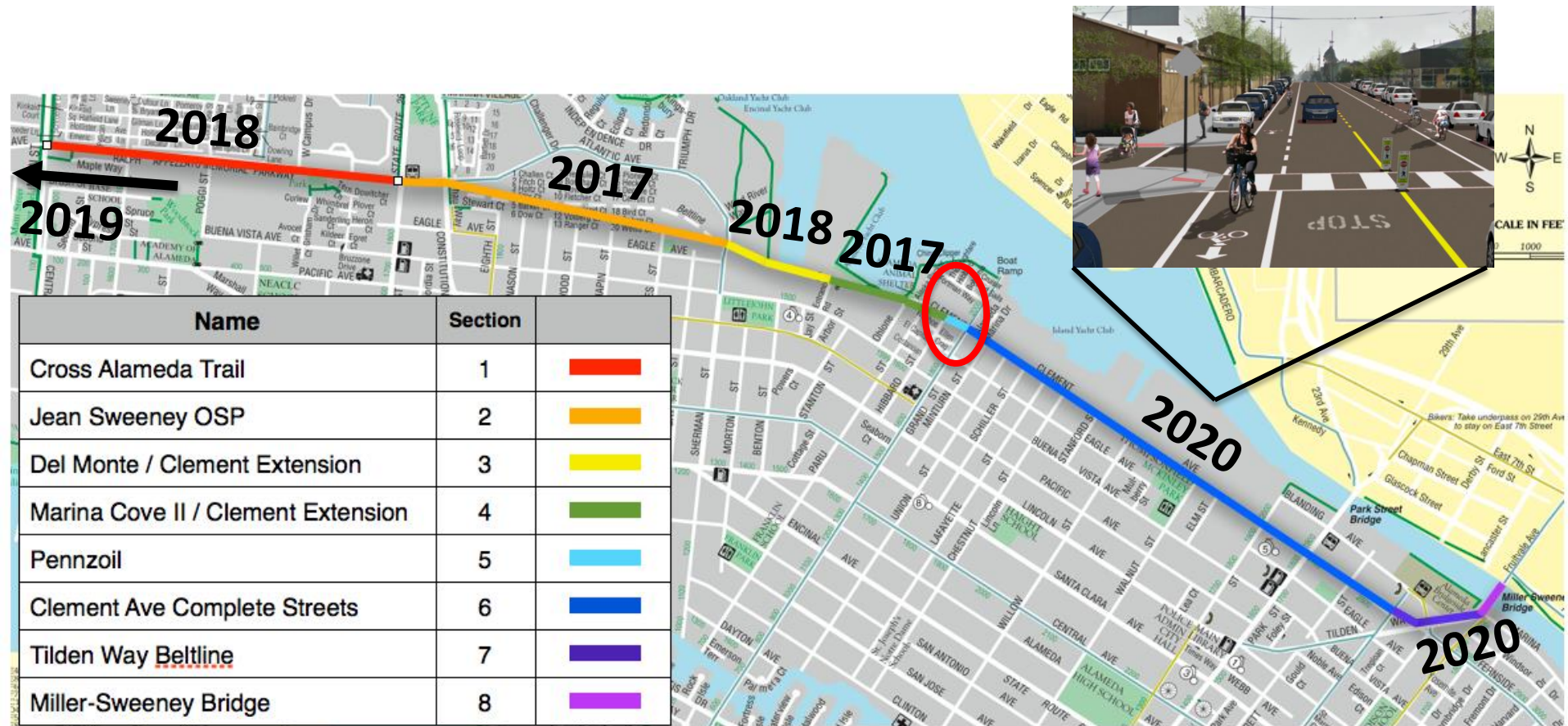


Transportation – Future Actions

- Current Projects/Plans (\$50 million)
 - Awareness Campaign
 - Transportation Choices Plan
 - Corridor Improvements
 - Appezzato Pkwy Bus Lanes
 - Central Avenue
 - Cross Alameda Trail



Transportation – Cross Alameda Trail



Transportation – Climate Plan Progress

- Transportation & Land Use Initiatives
 - Bus queue jump lanes (**Webster done; others in process**)
 - Alternative transportation (**Shoreline done; others in process**)
 - Alternative fuel City fleet (**In process**)
 - New developments reduce emissions by 10% (**Required**)



Accomplishments: Planning/Bldg

- Require that all new major developments' short and long-term transportation emissions impacts are reduced by 10%

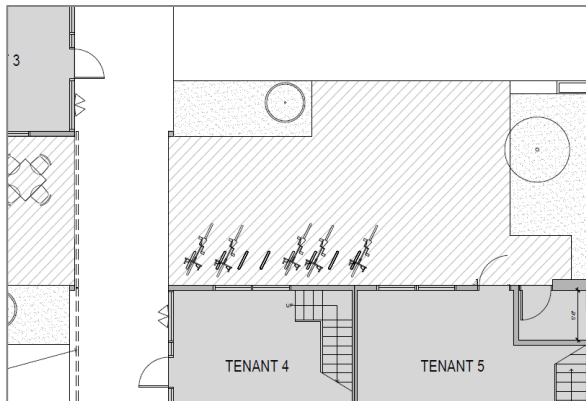
Transportation Emission Reduction Measures

- Revise parking standards to encourage alternative modes of transportation.
 - Transportation Demand Management (TDM) Program



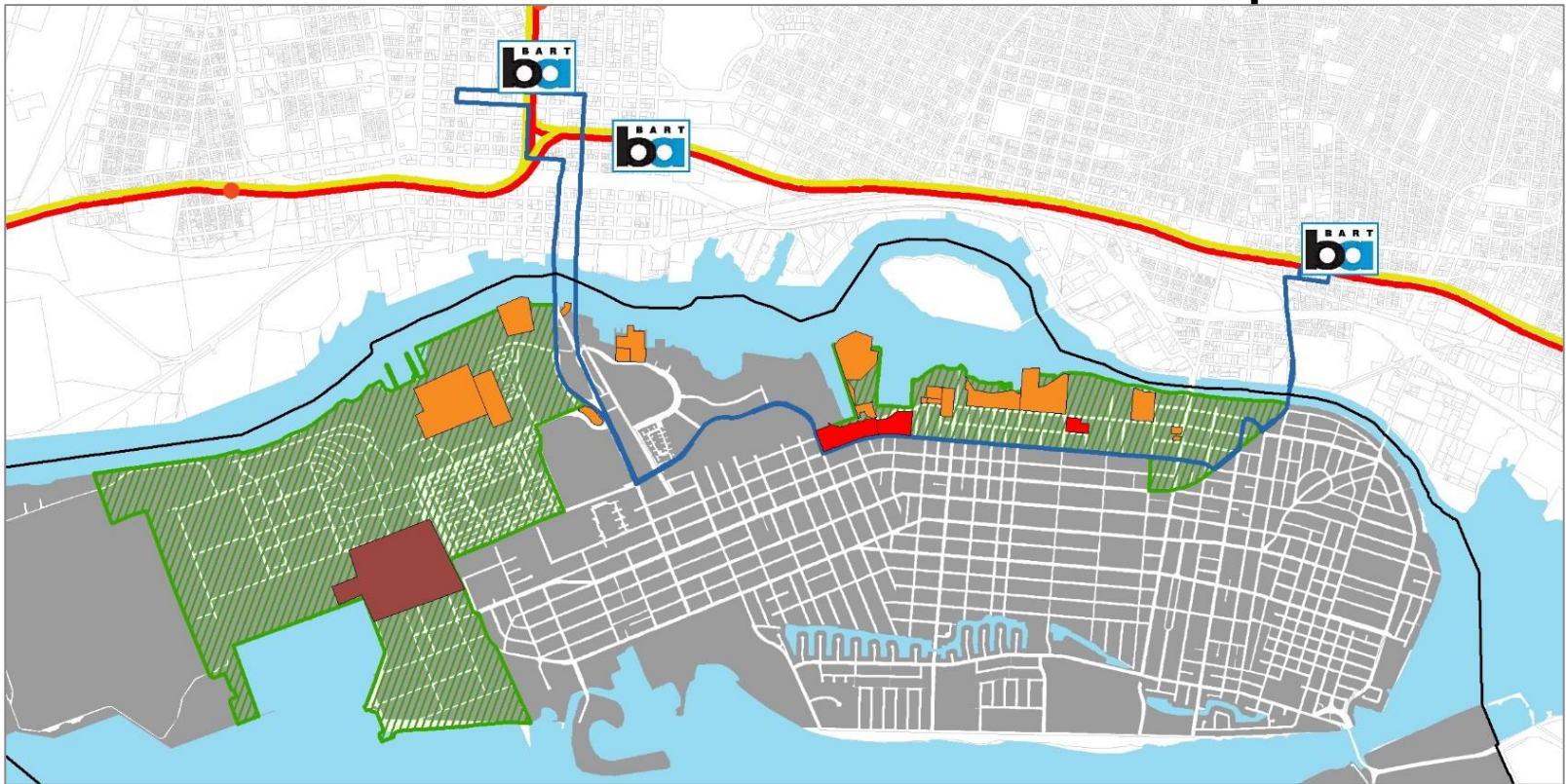
Transportation Emission Reduction Measures

- Require the short-term and long-term bike parking in new and renovated commercial facilities and locate new bike racks in commercial districts.



Transportation Emission Reduction Measures

- Promote Transit Oriented Development



Accomplishments: Planning/Bldg

- Adoption and Update of CALGreen (2009 - 2017)
 - 2020 – All new homes will be Net-Zero Energy
 - 2030 – All commercial development will be Net-Zero Energy
- Adoption of Bay-Friendly Landscaping Guidelines (2012)
- Prohibition of wood burning stoves and fireplaces in all new residential construction (Adopted 2013)
- Expand Work/Live districts to include Alameda Point (Adopted 2014)

Next Steps



- Take real-time survey
- Participate in Break-out Tables
 - Discussions
 - Volunteer opportunities
- Reconvene the City's Green Team (Summer 2017)
- Update GHG Emissions Inventory (Sept. 2017)
- City Council receives update on Climate Action Plan's timeline and scope (Dec. 2017)
- Complete Climate Action Plan Update (June 2019)

Survey – Please participate!



Q & A

Love Our Green Island Town Hall Meeting

Celebrating our successes and
brainstorming What's Next





LOVE OUR GREEN ISLAND

A COMMUNITY CLIMATE CHANGE WORKSHOP

May 23, 2017

LOVE OUR GREEN ISLAND