

Welcome!

Thank you for joining us.

Please visit the stations to provide your input:

- EV Charging Location Map
- EV Adoption
- ZEV Drivers
- Other Ideas

A brief presentation will begin at 6pm.

Table activities will be available throughout the evening.

Please locate the nearest exit in case of emergency.

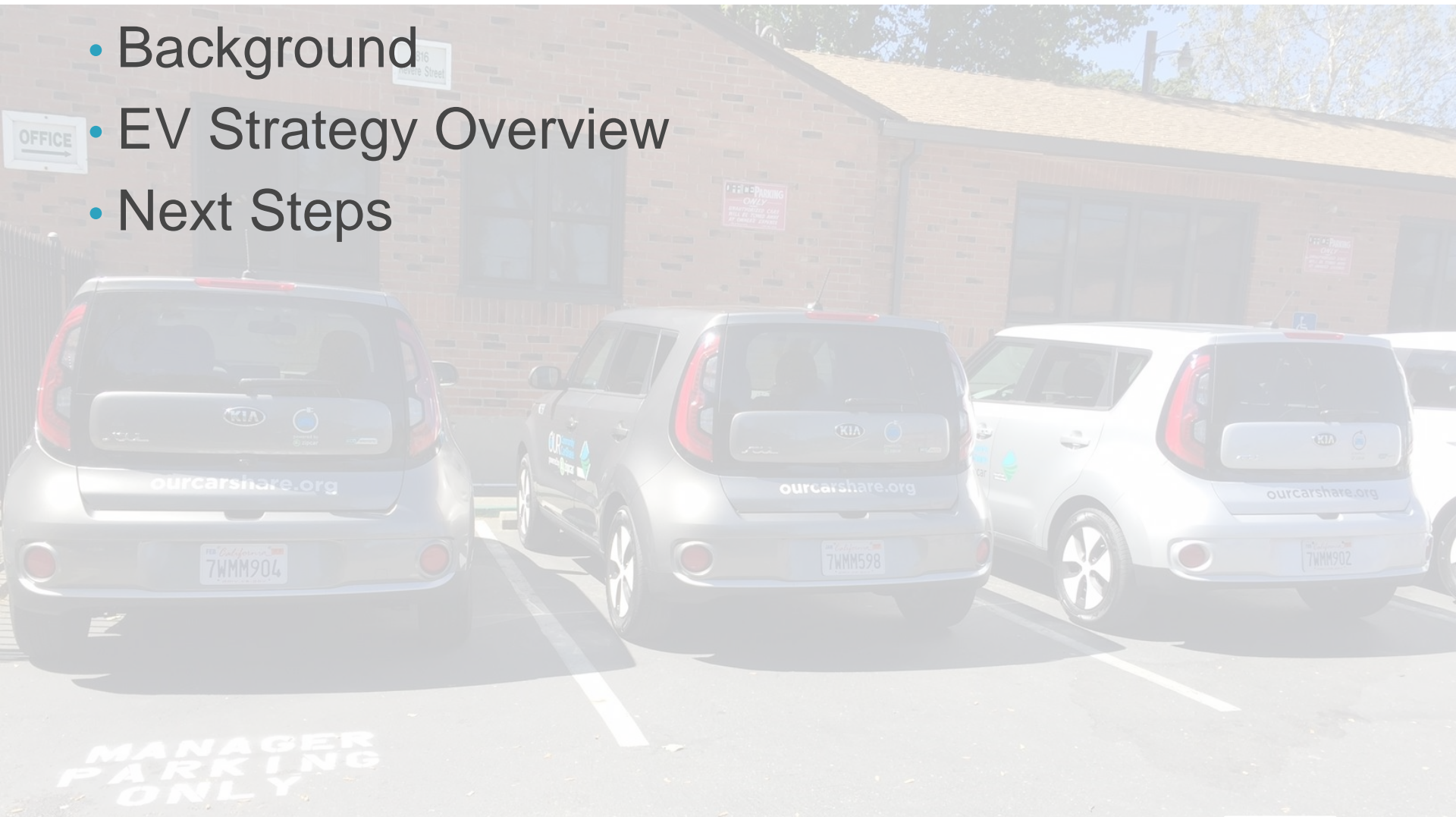
Restrooms are located outside the room near the Security Desk. Sign in with the Security Guard for a restroom key.

2017 Electric Vehicle Strategy

Public Workshop

Outline

- Background
- EV Strategy Overview
- Next Steps



BACKGROUND

Background

The City is committed to improving health and sustainability of the community through improved regional air quality and reduced GHG emissions that contribute to climate change

General Plan Environmental Resources Goal 6.1

The City shall continue to collaborate with its State and regional partners to support rapid adoption of zero-emissions and low-emission vehicles, including standardizing infrastructure and regulations for public electric vehicle charging stations, streamlining the permit process for private electric vehicle charging stations (including home charging stations), developing guidelines and standards for dedicated and preferential parking for zero- and low-emissions vehicles (including charging stations for plug-in-electric vehicles, where necessary).

General Plan Mobility Policy 1.5.5

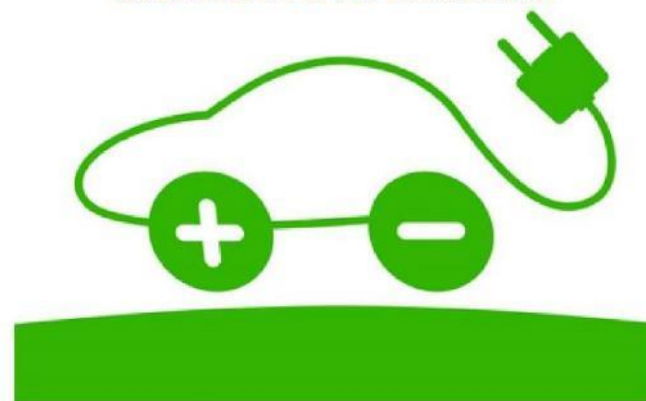
Background

- City Fleet Sustainability Policy
 - 30% alternative fuel goal
- EV Parking Program
- Sacramento Area PEV Collaborative



Electric Vehicle Readiness and Infrastructure Plan

Prepared for Sacramento County and the Cities Within by the
Sacramento Area PEV Collaborative



Current efforts



EVgo station for electric vehicles outside a Cracker Barrel in Arlington, Texas on Tuesday, June 5, 2012. (Star-Telegram/Khampha Bouaphanh) **Khampha Bouaphanh** - Khampha Bouaphanh

TRANSPORTATION

JULY 04, 2017 3:1

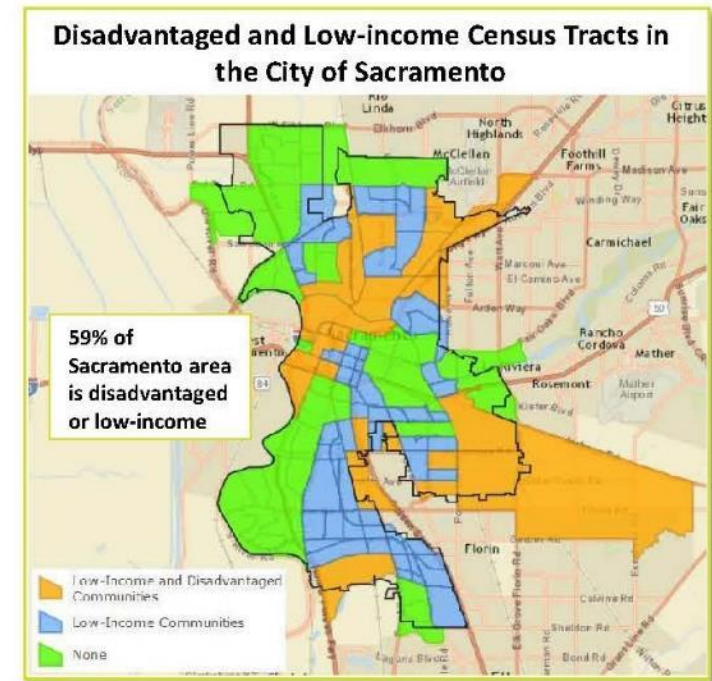
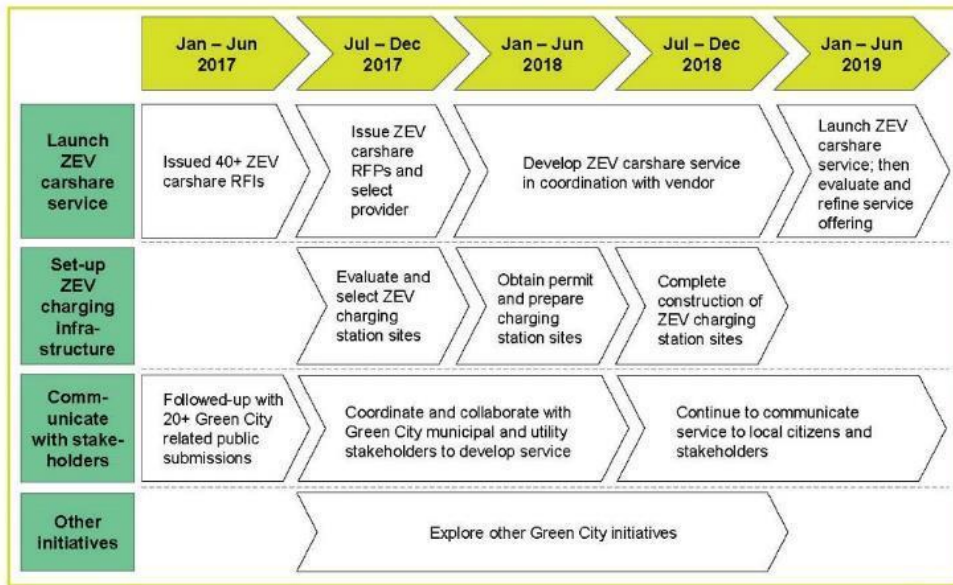
Why Sacramento leaders believe curbside vehicle chargers will be a game-changer



VW ZEV Investment

- \$44 million secured for Green City initiative in Sacramento
- Electrify America, a subsidiary of VW, is leading the investment

Figure 8: Green City Initiative 6-month Milestones



Source: Electrify America (06/29/2017).
 Supplement to the California ZEV Investment Plan, Cycle 1.

https://www.arb.ca.gov/msprog/vw_info/vsi/vw-zevinvest/documents/california_zev_investme nt_plan_supplement_062917.pdf



HOW DOES IT WORK?

JOIN BLUEINDY

YOUTH OFFER

STATION MAP ▾

THE SERVICE ▾

INFORMATION ▾

English | Español

My account

Use BlueIndy.
Change the way
you commute.



Learn More >



UP TO 200 STATIONS

The city is all yours. With up to 200 stations planned in Indy, you can find an electric car wherever you need one.

and east to west. BlueIndy lets you follow your whims, whatever road they may take. The starts now, only you can decide where it will take you.

See the full map for more details



October 19, 2017

EV STRATEGY

October 19, 2017

Purpose

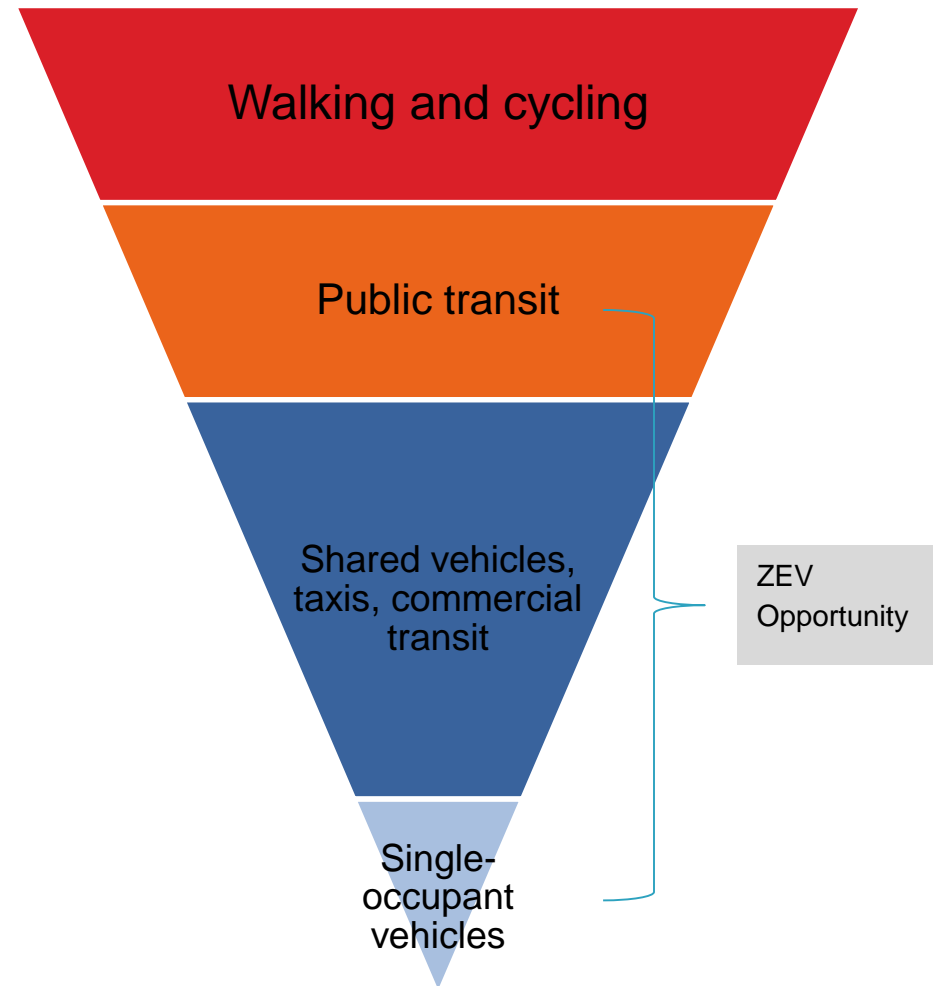
- Advance EVs and ZEVs in Sacramento
- Provides goals, targets, and actions
 - Initiation by 2020
 - Full implementation by 2025



Role of EVs

- Move more people in fewer, cleaner vehicles

Priorities for People Movement



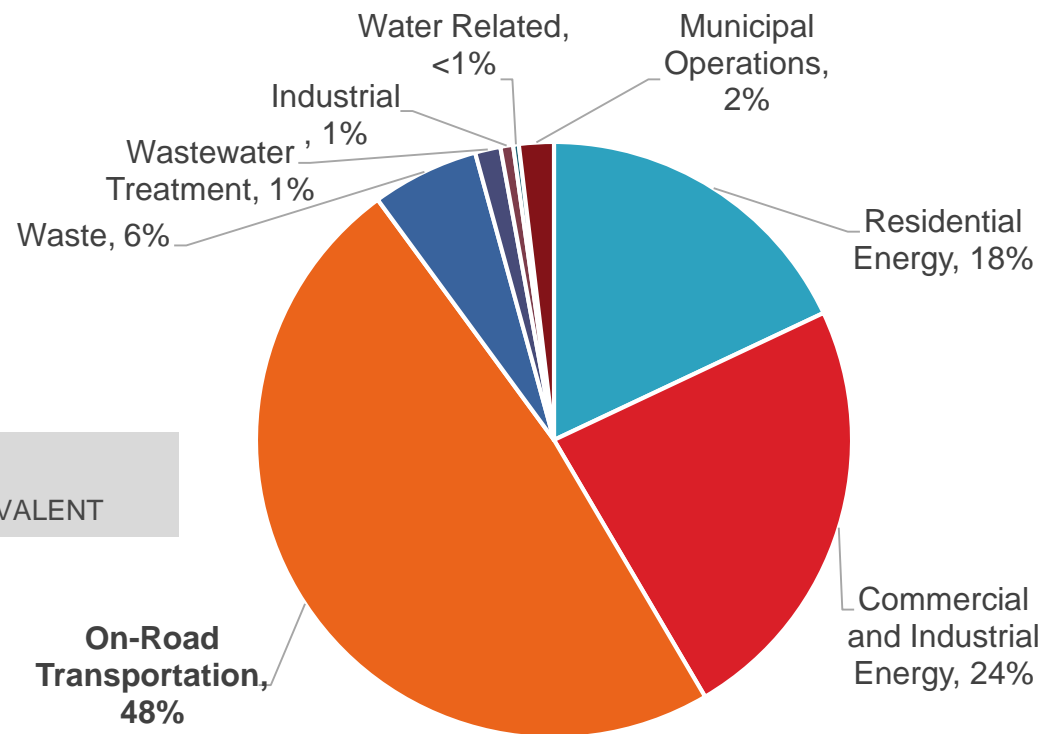
Benefits of EVs

- Cleaner transportation
- Cheaper to operate and maintain

~ 4.16 MMTCO₂E*

*MILLION METRIC TONS OF CARBON DIOXIDE EQUIVALENT

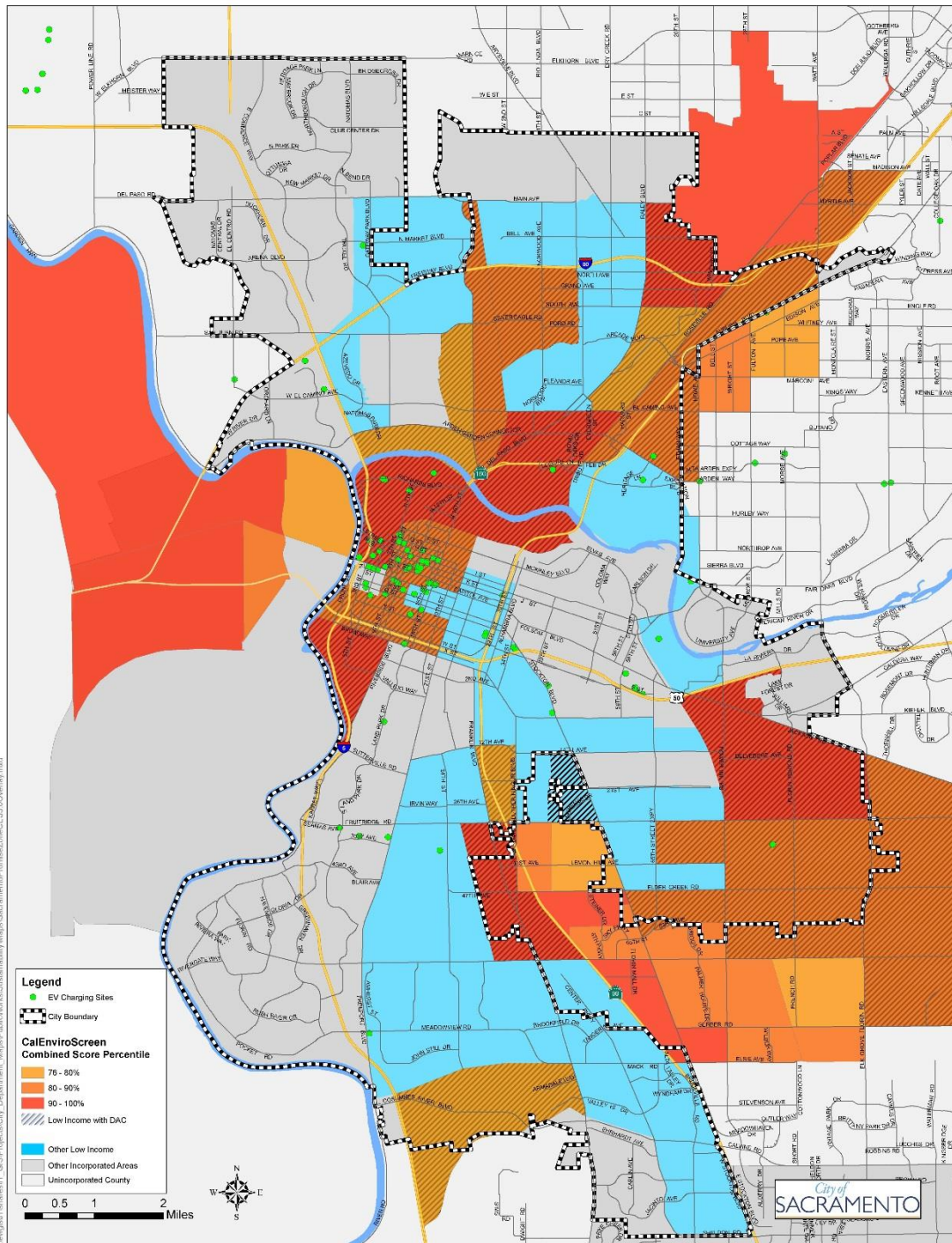
City of Sacramento 2005
GHG Emissions



Access and barriers

EV Chargers in Disadvantaged and Low-Income Communities

Approx. 430 chargers and
~2,000 EVs



Vision

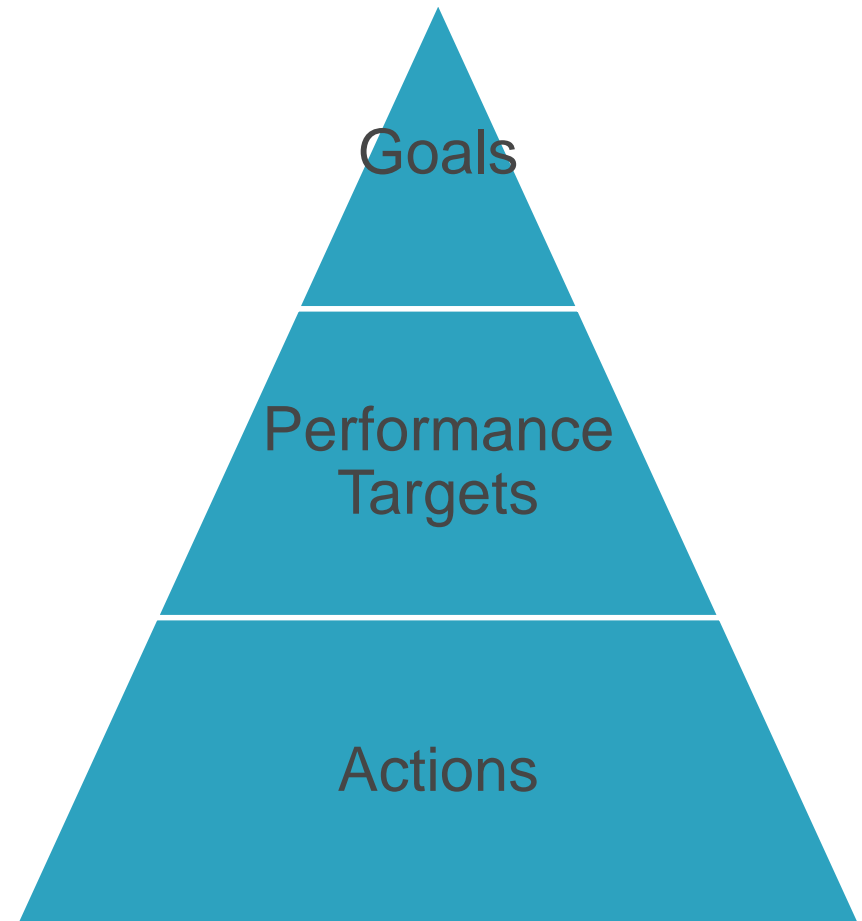
- Establish Sacramento as the ZEV “Green City” Capital of California, with a robust ZEV system that provides significant improvements in local air quality, mobility, and access



Framework

Topics:

1. Community charging and infrastructure
2. Electrify America Green City Initiative
3. Public Charging – City facilities
4. Fleets
5. Economic development and innovation
6. Other programs, partnerships, and engagement



Example Performance Targets

Metric	Current	Target
Public or workplace chargers by 2020 - L2s, DCFC, and high power	430	2,200
DCFC - subset of total chargers above	7	100
HHs with EVs	1.2%	10%
Annual City fleet light duty replacements to be ZEV	12%	50% by 2018 75% by 2020

To achieve these targets...

- 7 years to implement
- 20,000 new EVs by 2025
- ~3,000 annual EV sales (11% of estimated annual car sales in Sacramento)



1. Community Charging and Infrastructure

- Support chargers expansion
- Foster new ZEV uses
- Public charging for those who need it most



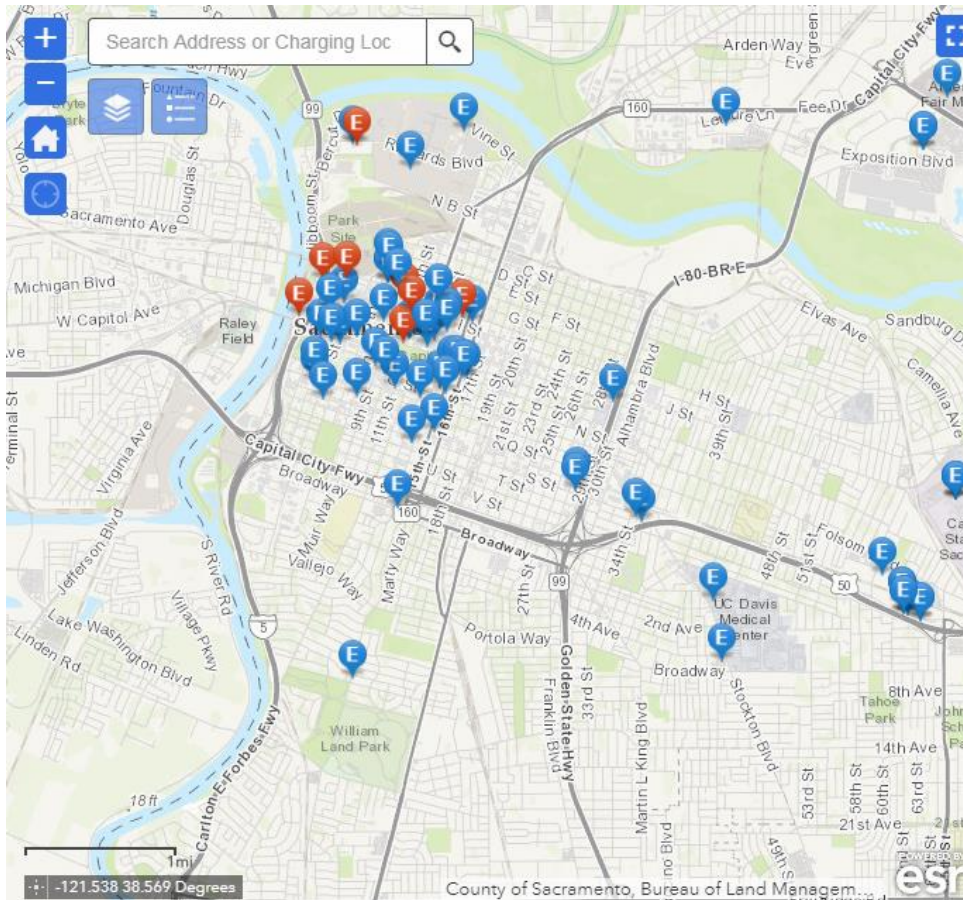
Source: <http://www.berkeleyside.com/2016/09/22/curbside-electric-vehicle-charging-stations-start-to-appear-in-berkeley>

2. Electrify America Green City Initiative



- Engage stakeholders
- Support implementation
- New ZEV opportunities

3. Public Charging – City Facilities



- Improve EV Parking Program
- Maximize benefits
- Obtain real-time EV charging data

Interactive EV Parking Map
www.cityofsacramento.org/ev

4. Fleets

- City Fleets:
 - 75% annual light duty purchases to be ZEV by 2020
 - Track and report cost-benefits
- Public and Private Fleets
 - Support local and regional partners



5. Economic Development and Innovation

- Economic center for alternative fuels
- Showcase mobility efforts
- Expand ZEV workforce

THE SACRAMENTO BEE

MONDAY, SEPTEMBER 10, 2017
SACBEE.COM



RANDY PENCH / SATCHI/REUTERS

Anatoly Lukavenko, left, and Ritesh Narayan practice oxy-acetylene welding as part of the welding technology program at American River College.

College program connects students with \$18-an-hour jobs in little time

BY DIANA LAMBERT
dlambert@sacbee.com

San Sacramento took welding classes at American River College for only a few months before he was tapped by recruiters from Siemens USA who came to one of his classes.

"They teach you what you need to know and if you stick with it you can go anywhere," said Sacramento, 24.

The Sacramento resident expects to be working on railcars and other projects for the international company at its Sacramento site. It will be a substantial increase in pay, compared to his former job at a warehouse.

High demand for properly trained welders, mechanics, emergency medical technicians and other vocations has prompted California to expand classes that lead directly

to jobs in those fields.

The Strong Workforce Program pumps \$200 million annually into career education programs formerly called career technical education programs - with 60 percent of funding going to individual colleges and 40 percent going to regional programs.

The funding nearly triples the amount spent on career education at the four colleges in the Los Rios Community College

District, according to Jamey Nye, Los Rios vice chancellor of education and technology.

The college system already receives about \$2 million annually in federal funding for career education programs. The Strong Workforce Program adds \$5.2 million in state funding and shares \$7 million with 15 colleges as part of a regional consortium. The funding can be used over three years.

Colleges also are eligi-

ble for competitive funds bestowed on the programs that do the best job of moving students from the classroom to the workplace.

"Ultimately that is the goal - more students into the schools," Nye said. "We have a strong interest in making sure they are on a pathway and are successful."

The result: more course offerings and staff hires, updated curriculum and additional support for students while they are in school and job hunting. In return, the state requires colleges to use labor market data to de-

SEE JOB TRAINING, 28

6. Other programs, partnerships, and engagement

- Increase ZEV access and mobility
- Spur access for disadvantaged and low-income communities
- Increase ZEV visibility



Next Steps

November 2: Planning Commission presentation

November 28: City Council hearing

Early 2018: Anticipated launch of priority efforts

Thank you

www.cityofsacramento.org/ev

Jennifer Venema

Sustainability Manager

Department of Public Works

jvenema@cityofsacramento.org

916-808-1859