

City of Sacramento Electric Vehicle (EV) Initiatives

September 27, 2018

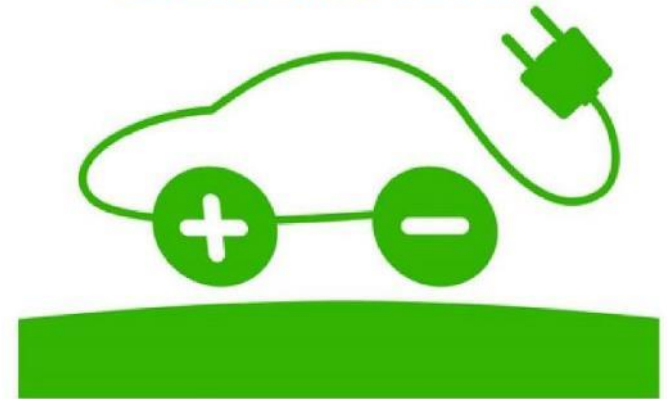


Electric Vehicle Readiness and Infrastructure Plan

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

Background

- City Fleet Sustainability Policy
- EV Parking Program
- Sacramento Area PEV Collaborative



EV Efforts

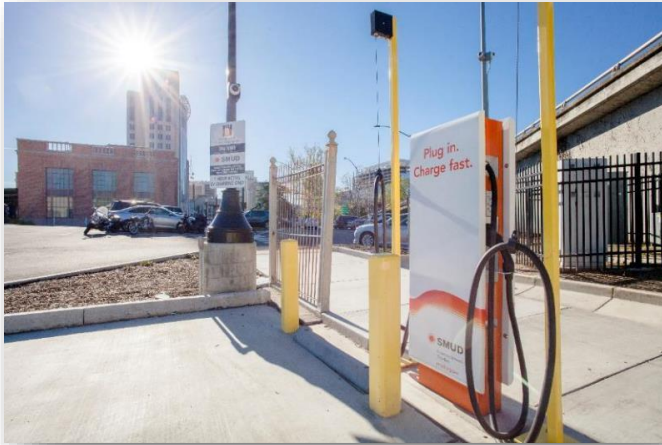


Photo credit bottom right: Natalie Orenstein

Electrify America



Green City



ZEV Car Share

- GIG Car Share: Free float ZEV car share
- Envoy: Round trip ZEV car share



Charging Infrastructure

- 10+ Sacramento regional charging sites
- Ultra-fast 50 kW—350 kW charging speeds



ZEV Bus/Shuttle

- UC Davis to Sacramento bus service
- Franklin Blvd. Corridor shuttle service

GIG Car Share

13 sq. mile free-floating home zone

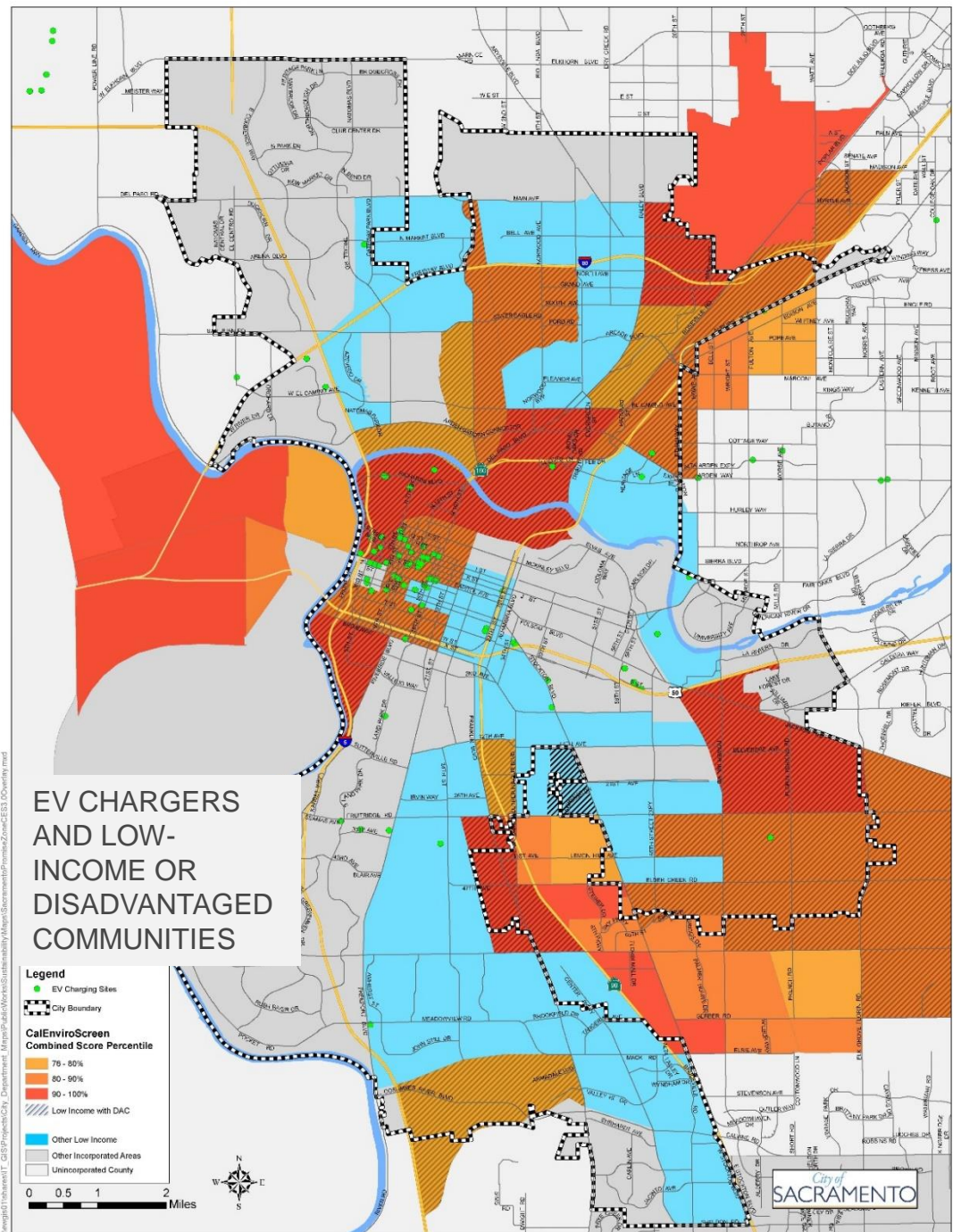
Envoy Car Share

71 multi-family properties

EV Initiatives

Primary focus:
Low-Income and
Disadvantaged
Communities

~430 chargers and 3,200
ZEVs citywide (current)



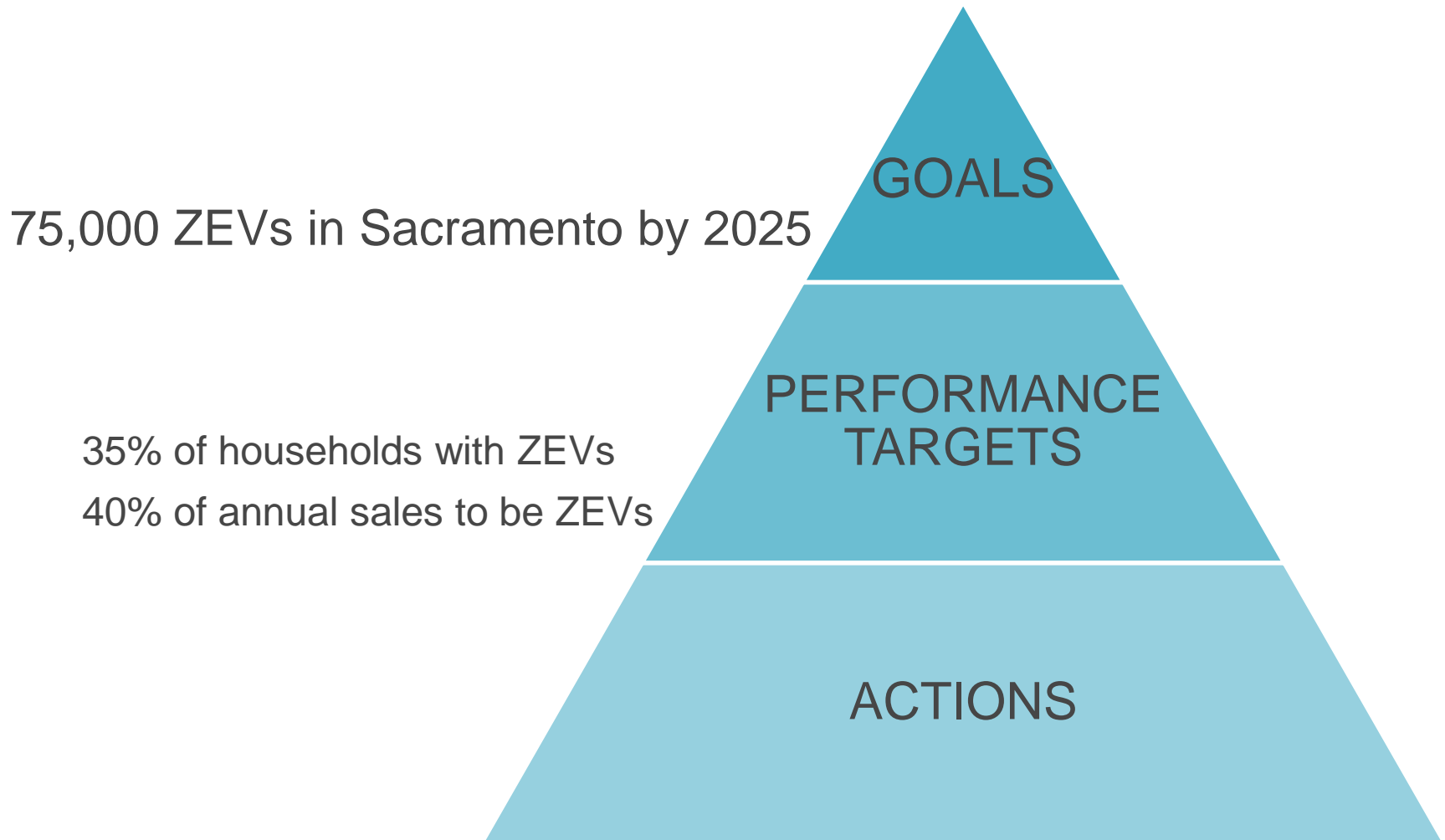
EV Strategy

Adopted 12/12/17

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



Framework

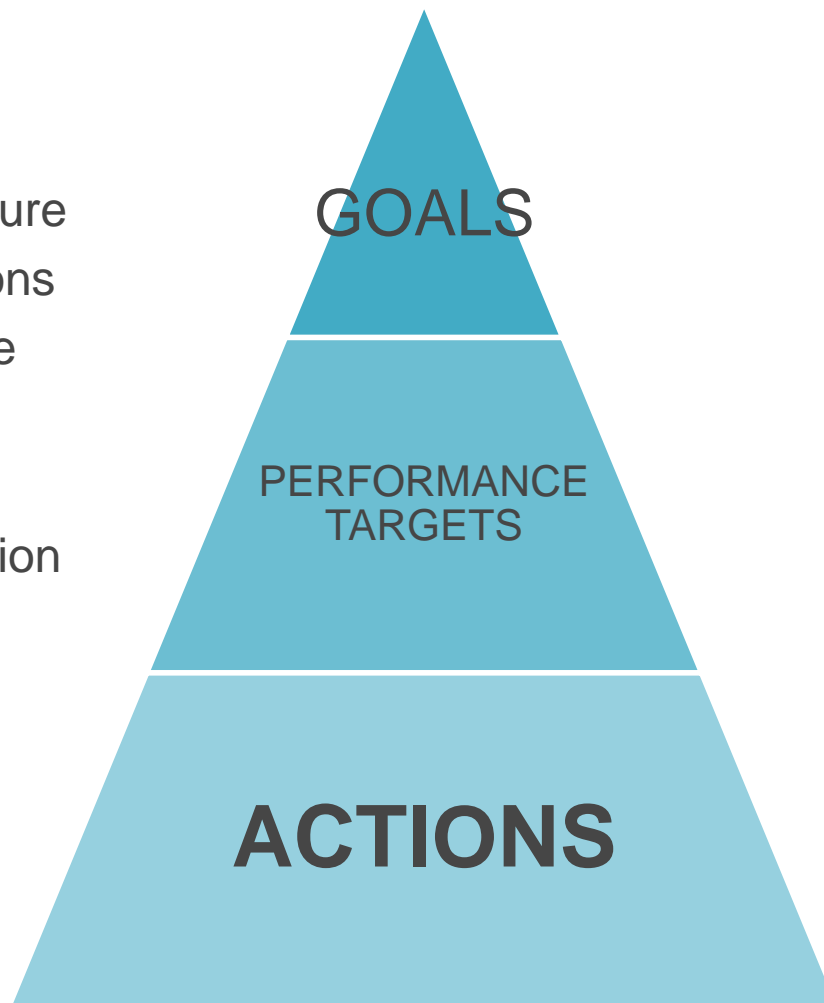


Framework

Action categories:

1. Community Charging and Infrastructure
2. Heavy-Duty and New ZEV Applications
3. Electrify America Green City Initiative
4. City Facility Charging Infrastructure
5. Fleets
6. Economic Development and Innovation
7. Programs, Partnerships, and Engagement
8. ZEV Access

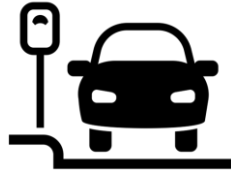
100+ actions





CAR SHARE

**DEDICATED
CAR SHARE
SPACE**



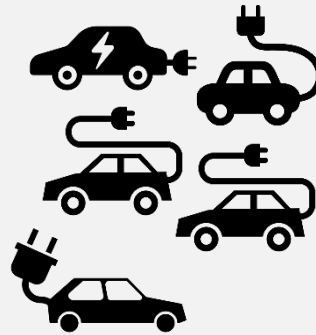
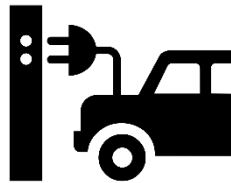
OR



24-7 EXCLUSIVE SPACE

LIMITED TO A CAR
SHARE FLEET

**DEDICATED
PUBLIC-USE EV
CHARGING
SPACE**




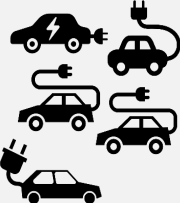

DEDICATED CHARGING
SPACE FOR ANY EV
DRIVER

**FREE-
FLOATING
PARKING**




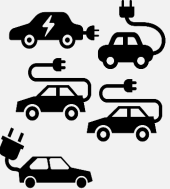


FREE-FLOATING PERMIT
FOR CAR SHARE FLEET
TO PARK IN ANY LEGAL
SPACE

DEDICATED SPACE PERMIT FEES

ANNUAL	BASE FEE		25% DISCOUNT		50% DISCOUNT	
	METERED	NON-METERED	METERED	NON-METERED	METERED	NON-METERED
CAR SHARE (GAS) 	\$1,864	\$720				
CAR SHARE (ZEV) 			\$1,398	\$540		
PUBLIC USE EV SPACE 					\$932	\$360

FREE-FLOATING PERMIT FEES

ANNUAL	PERMIT DEPOSIT  METERED	MAX PERMIT FEE  NON - METERED
GAS FLEET 	\$1,864	\$540
ZEV FLEET 	\$1,864	\$360

Curbside Pilot

Approach: pilot different curbside charging scenarios and evaluate issues before establishing a program



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

EVgo Pilot at Southside Park

Up to 6 high-power chargers (150 kW)

Construction anticipated early 2019



Upcoming Milestones

- Fall 2018 permit program launches:
 - Car share
 - Curbside EV charging
- Early 2019: operational launches



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

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



Thank you

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www.cityofsacramento.org/Green-City