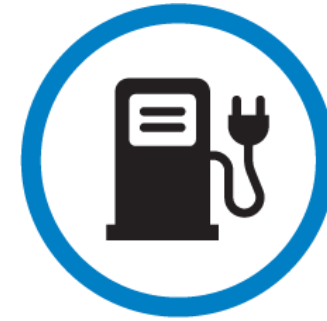


San Diego Regional Electric Vehicle Infrastructure Planning and Charger Incentive Program



Susan Freedman, Senior Regional Energy/Climate Planner
San Diego Association of Governments (SANDAG)

www.sandag.org/EVChargingProgram

Local Government Panel | Roadmap 12
Portland, OR | June 19, 2019

The Challenge:

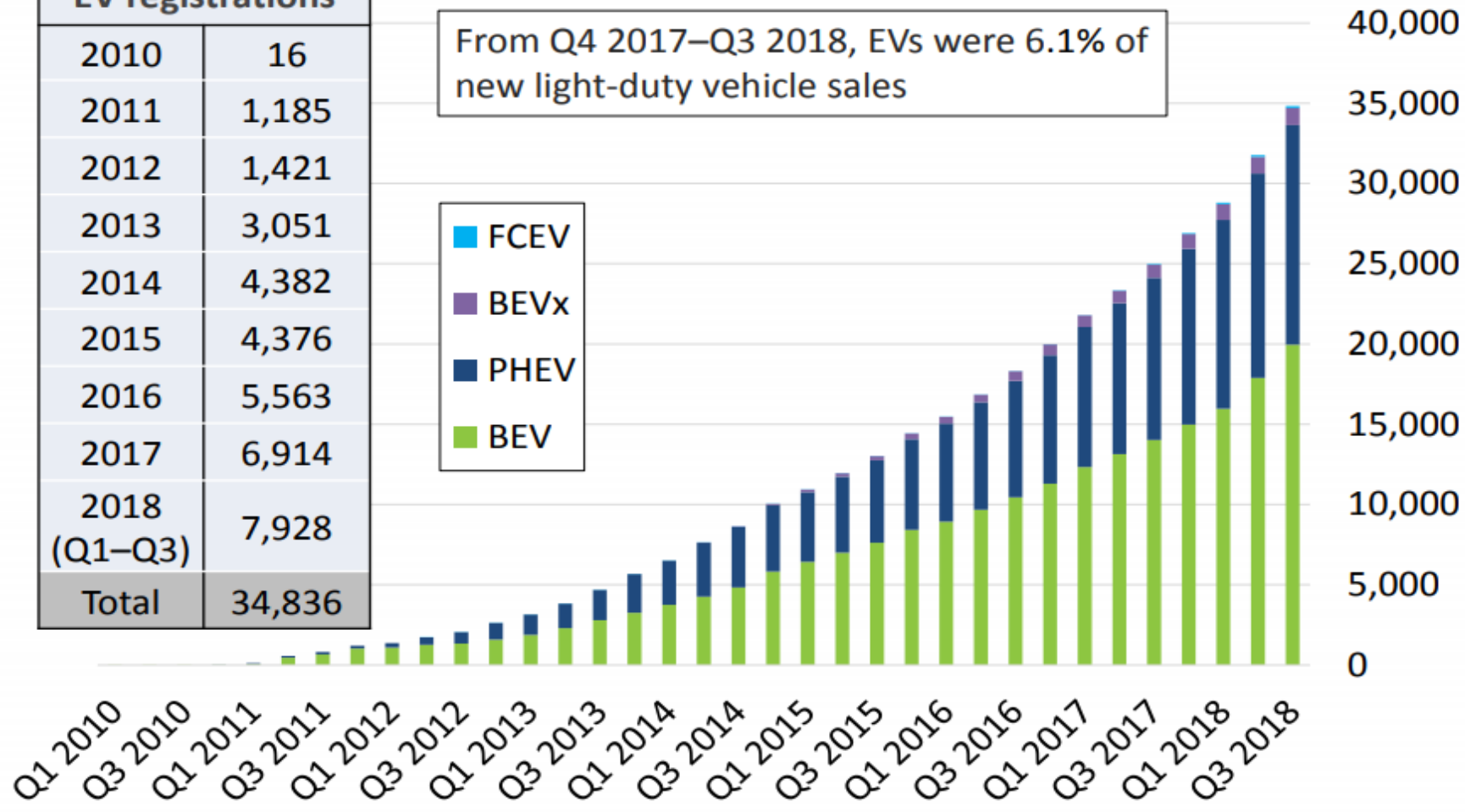
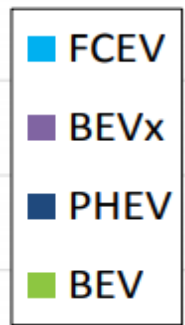
Regional EV adoption is outpacing infrastructure investment. The San Diego region has a 2025 projected gap of thousands of public chargers.



Growth of the San Diego County EV Market

EV registrations	
2010	16
2011	1,185
2012	1,421
2013	3,051
2014	4,382
2015	4,376
2016	5,563
2017	6,914
2018 (Q1-Q3)	7,928
Total	34,836

From Q4 2017–Q3 2018, EVs were 6.1% of new light-duty vehicle sales



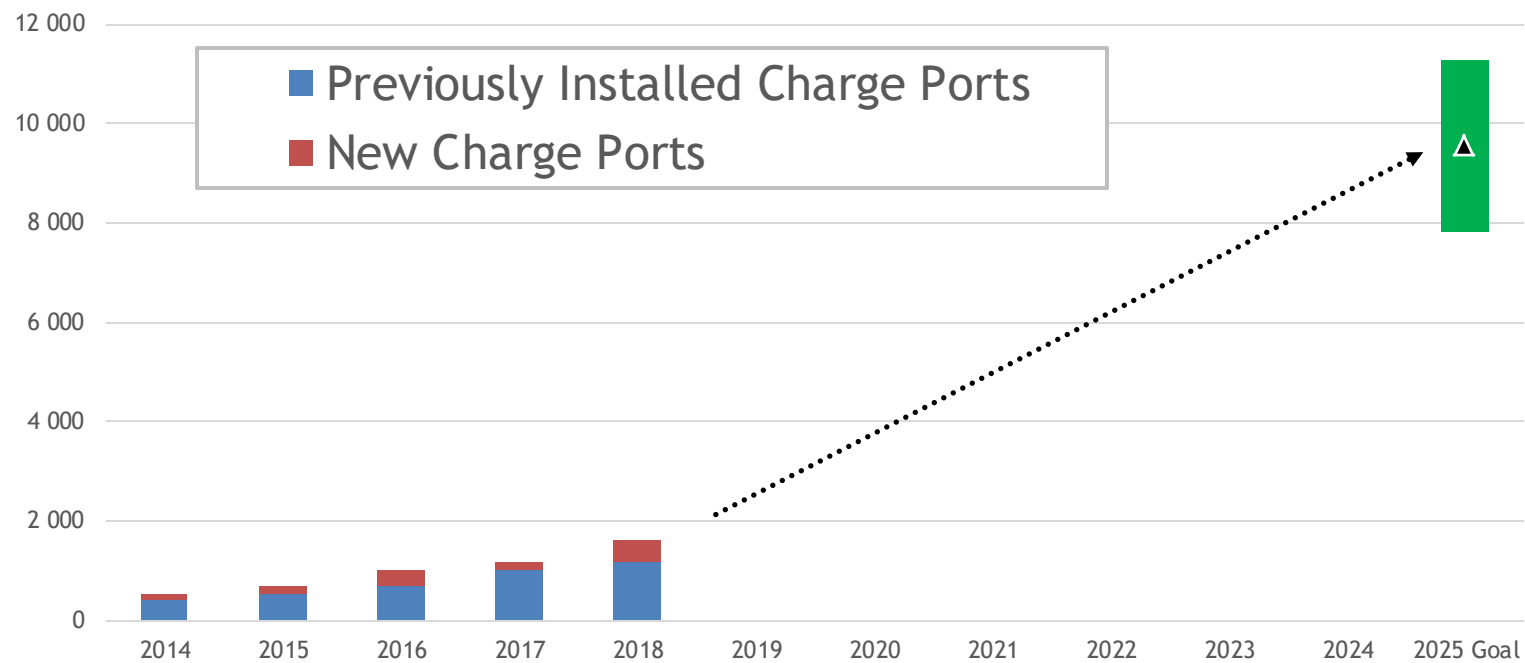
2025 Target:
110,000 zero-emission vehicles (ZEVs)

2030 Target:
410,000 ZEVs

Source: Center for Sustainable Energy - Clean Vehicle Rebate Project, includes content supplied by R.L. Polk & Co, © 2018

Growth in Number of Level 2 Chargers and Estimated Need in 2025 for San Diego County

Level 2 EV Charge Ports in San Diego County



Source: US Department of Energy, AFDC (May 2019) and CEC EV Infrastructure Projection Tool (March 2018)

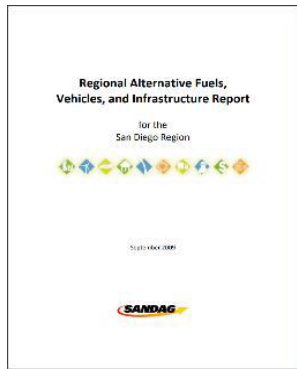
Supporting programs included:



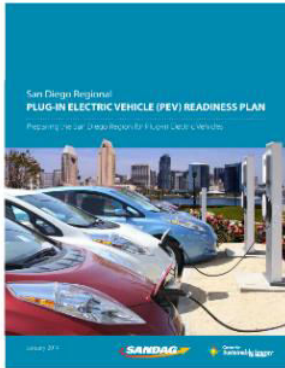
2020 Program:



SANDAG ZEV Efforts Timeline



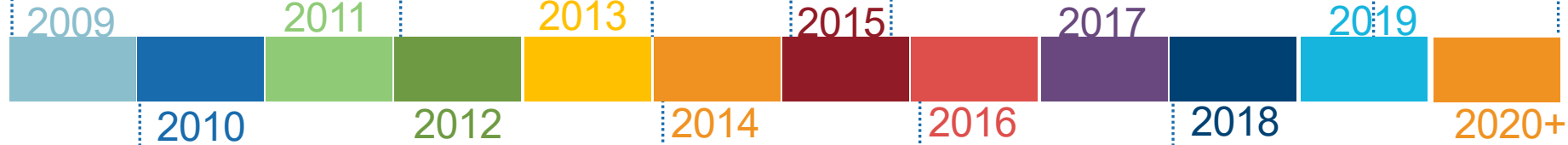
Regional AFs, Vehicles, and Infrastructure Report



PEV Readiness Plan and Working Group



- Permit streamlining tools
- EV Expert consults
- EVCS mapping tool
- Outreach



SANDAG's Regional Transportation Plan and Sustainable Communities Strategy (RTP/SCS)

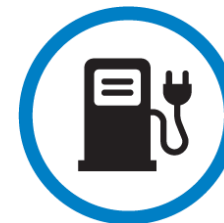
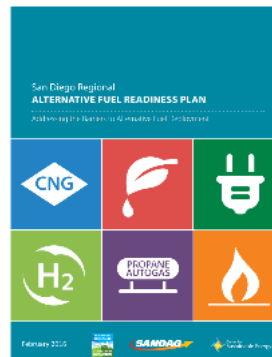


The EV Project Launches- SANDAG supports locally



refuel

Regional AF Plan and Coordinating Council



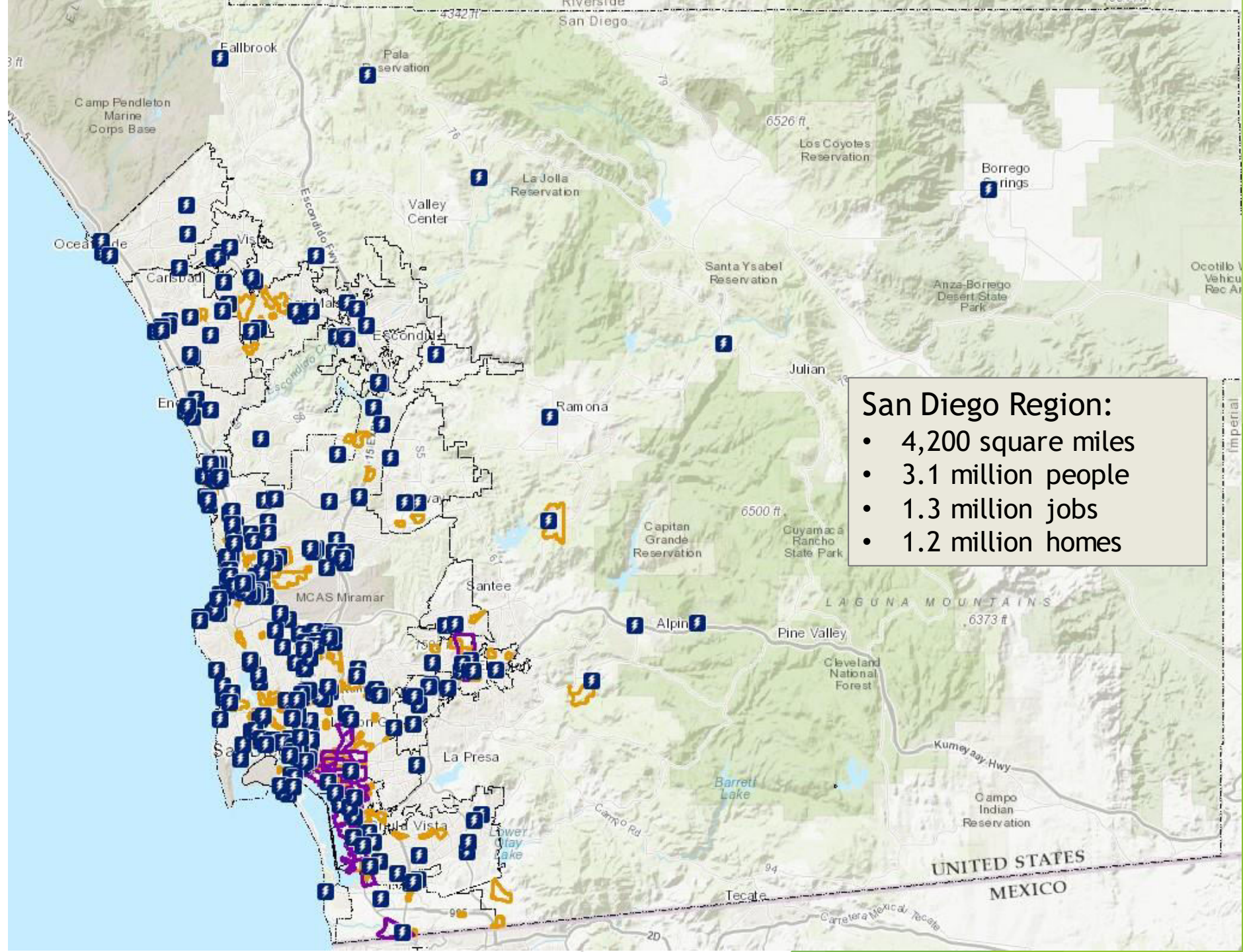
Opens mid-2020

EV Charger Incentive Program Development

Plug-in San Diego Mapping Tool

- EV Charging Stations
- EV Registrations
- Regional Travel Model
- Gaps in Charging Network
- Benefits to Disadvantaged Communities
- Other overlays

evcs.sandag.org



San Diego Regional Charger Incentive Program: Estimated Partner Budgets and Scope



- ▶ Implement 2015 RTP/SCS
- ▶ Level 2 Chargers
- ▶ \$30M budget est. \$1 million/yr until 2050



- ▶ Implement County Climate Action Plan
- ▶ Level 2 Chargers
- ▶ Budget est. \$500,000/yr up until 2030

Potential State Partner



- Implement Executive Order B-48-18 targets for EV chargers
- Level 2 and DC Fast Chargers
- Budget est. ranges from \$10-23 million total allocation

Thank You!



Contact Information:

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<https://sdforward.com/>