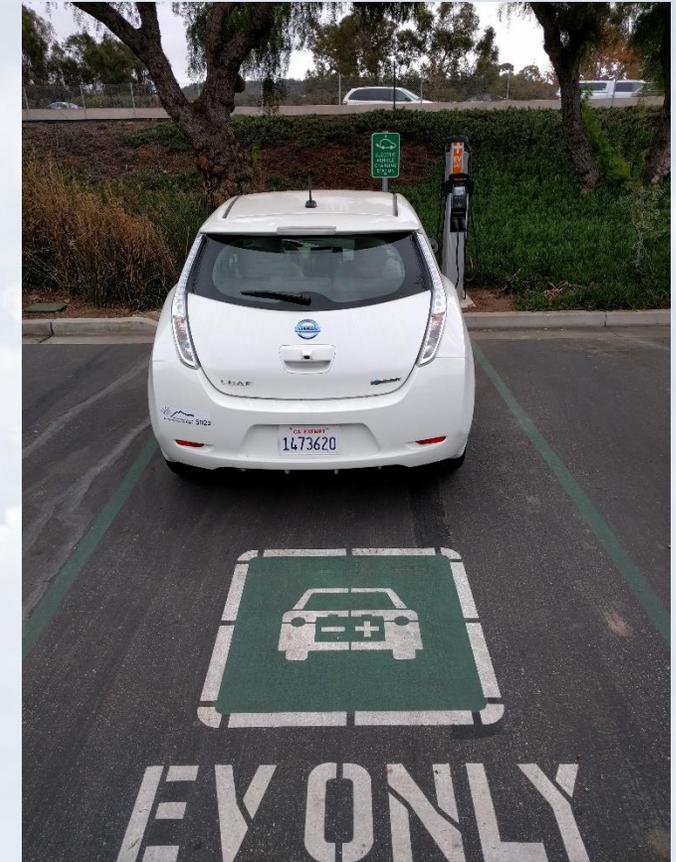


Electric Vehicle Charging Infrastructure Grants

**Board of Directors
Santa Barbara County
Air Pollution Control District**

**Molly Pearson
Planning & Grants Supervisor
December 17, 2015**



**Level 2 Charging Station at
Casa Nueva**

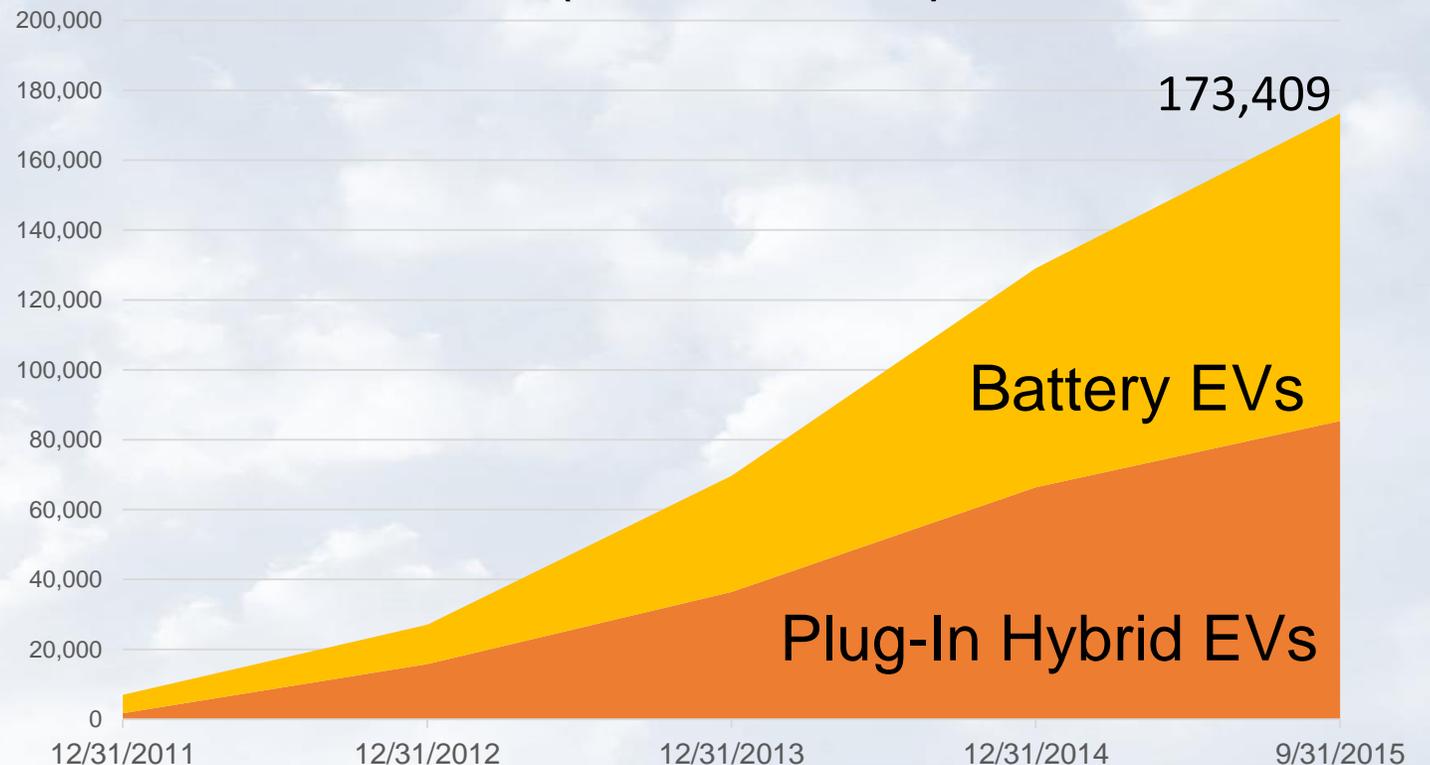
Overview

- Need for public charging stations
- Review August 2015 proposal
- Modifications to original proposal to address Board concerns
- Recommendation

California Electric Vehicle Fleet

- Reduce emissions, fleet gets cleaner over time
- ZEV Mandate: 1.5 million by 2025
- More vehicles/models
- “Long-range” BEVs
- Purchase prices declining
- Critical time to get infrastructure in place

CA Vehicle Registrations (cumulative)



Source: CA New Car Dealers Assoc., Nov 2015

EV Readiness in the Tri-Counties Region

Plug-In Central Coast EV Readiness Plan

- Multi-year grant effort, led by Ventura County APCD with participation and input from SB and SLO air districts, cities, counties, utilities, equipment providers
- Final Plan workshopped in Spring 2014
- Guide to EV infrastructure development for the region, support deployment of EVs in the region
- Identifies charging standards, siting priorities, permitting and installation issues, future needs



August 2015 Board Meeting

- Modifications were proposed to the EV Charging Infrastructure Grant Program
 - Increase program spending limit from \$100,000 to \$300,000 total (\$96,000 spent)
 - Allow funding agreements with private and nonprofit entities for **public** charging stations
 - Approve standard grant agreements for the program
 - Higher funding for Level 3 – DC Fast Charge

August 2015 Board Meeting (cont'd)

- **Board discussion:**
 - Cost sharing for private entities
 - Overall program spending limit increase to \$300,000
 - Ensure public entities receive funding
 - Siting and accessibility
- **Board direction to staff:** return with a proposal that addresses concerns

Cost Sharing for Private Entities

- Funding for ***public and nonprofit*** entities unchanged from August proposal:
 - Up to \$10,000 per station for Level 2
 - Up to \$20,000 per station for Level 3
- Funding for ***private*** entities reduced:
 - Up to \$7,500 per station for Level 2
 - Up to \$15,000 per station for Level 3

➔ ***All grantees cover costs for plans, permits, operation and maintenance***

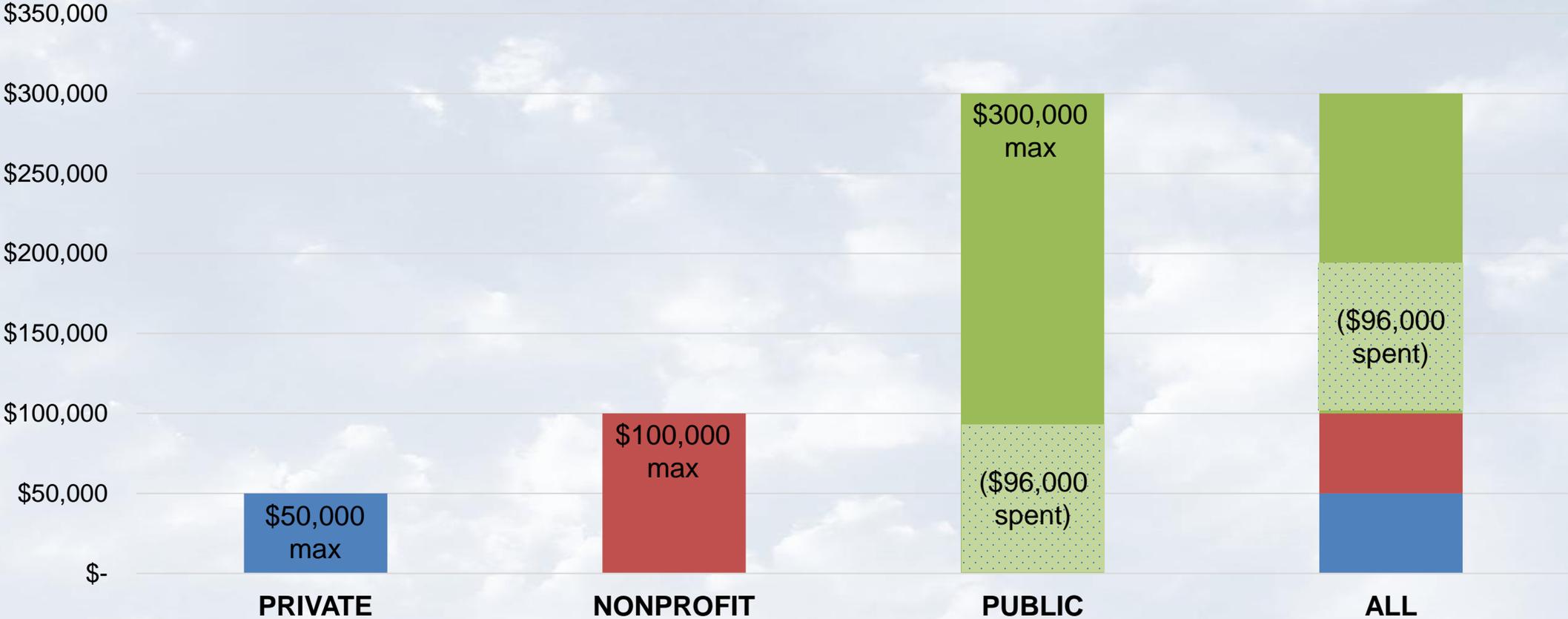
Spending Limit Increase

- Requesting an increase from \$100,000 to \$300,000 for overall program spending limit, consistent with protocol established by your Board for District ITG programs
- \$96,000 spent since 2011; several projects delivered
- Funding identified for FY 15-16 is \$128,000
- Additional funding to be identified in future fiscal year budget approvals

Funding for Public Entities

- Expansion of program to include private and nonprofit entities
 - Will private and nonprofit projects use up all the program's funding?
 - Will enough funding be available in the program for public entities?

Proposed Funding Levels



Siting and Accessibility

Electric Vehicle Charging Station Siting Requirements

(Attachment 1 to Board Resolution)

- Location (private and nonprofit)
- Financial commitment
- Visibility and accessibility
- Power supply
- ADA access
- Security
- Signage
- Equipment protection
- Permits

GRANTEE shall ensure that all charging station components are operational and publicly accessible 24 hours per day, every day, with the exception of unforeseen closures due to safety or security concerns or required maintenance. Stations may not be located in locations with limited access or availability such as behind a fence or in a gated parking lot closed to the public after hours.

Recommendation

- Adopt the Resolution to modify the EV Program as described in the board letter
- Increase the overall budget for the program from the original \$100,000 to \$300,000
- Establish funding limits for the program:
 - Sum of all private entity grants shall not exceed \$50,000
 - Sum of all private and nonprofit entity grants shall not exceed \$100,000
 - Sum of all public entity grants shall not exceed \$300,000

Thank You



Public Charging Stations in
Santa Ynez and Santa Barbara
Photos from PlugShare.com