



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

# ***Charge!* Program for FYE 2016/Cycle 2**

(for public and private entities)

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Linda Hui, Analyst  
Ken Mak, Air Quality Specialist



# Webinar Information

This webinar is being recorded.

Copies of presentations will be posted to the Program Website after the webinar.

Type in questions using the questions box here.

Questions will be answered at the end of the presentation.

The screenshot shows a GoToWebinar control panel. It includes a menu bar (File, View, Help), an Audio section with 'Telephone' and 'Mic & Speakers' options, a 'MUTED' status, a volume slider, and a dropdown for 'Headphones (High Definition Audio Device)'. Below the audio section is a 'Handouts - 0' section and a 'Questions' section with a text input field containing '[Enter a question for staff]' and a 'Send' button. At the bottom, it displays 'An Air District Webinar', 'Webinar ID: 114-475-211', and the 'GoToWebinar' logo. Three callout boxes point to specific features: 'Show/Hide Control Panel' points to the top-left corner, 'Raise Hand' points to the hand icon, and 'Questions Box' points to the question input field.



## Introduction & Background

- Bay Area Air Quality Management District (Air District)
- Electric Vehicle (EV) Goals and Incentives

## Program Information

- Funding Sources
- Guidance and Requirements
- Application Process

## Additional Resources

## Contact and Questions



# Introduction & Background

## The Air District:

- Established in 1955
- Nine Bay Area Counties
- Seven Million Residents
- 5,340 square miles

## Our Mission:

To protect and improve public health, air quality, and the global climate





# EVs: Goals

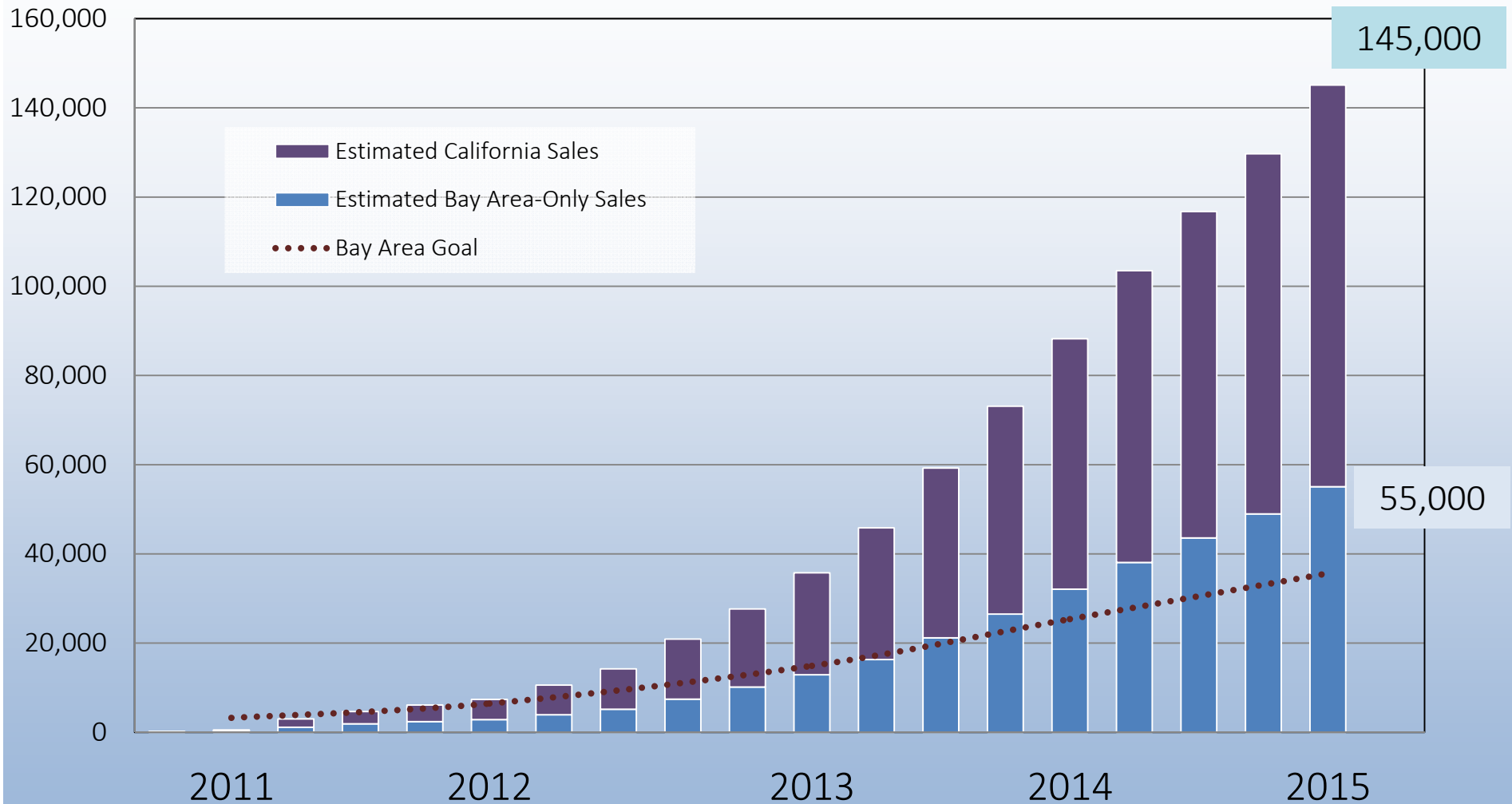


- 2020:
  - 110,000 EVs (Bay Area)

- 2025:
  - 247,000 EVs (Bay Area)
  - 1.5 M EVs (Statewide)



# EVs: State of the Market



\* Estimated using a 76% rebate use rate and data from CARB PEV Rebates Statistics: Center for Sustainable Energy (2015). California Air Resources Board Clean Vehicle Rebate Project, Rebate Statistics. Data last updated August 31, 2015. Retrieved September 10, 15 from <http://energycenter.org/clean-vehicle-rebate-project/rebate-statistics>



# Air District Funding for PEVs



## Vehicles

### PEV Rebates (for public agencies)

- Light Duty PEVs
- Neighborhood electric vehicles
- Electric motorcycles

### Zero-emission vehicles (coming soon!)

- High mileage light-duty vehicles (3 or more)
- Medium- and Heavy-duty vehicles and buses

## Infrastructure

### *Charge!*

- Workplaces
- Multifamily dwelling units
- Key destinations
- Transportation corridors

### EV Charging Station Demonstration Program

- Special opportunity for public agencies to:
  - *Deploy infrastructure quickly*
  - *Participate in information sharing*



# Summary of updates for Cycle 2

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- Streamlined bonuses for projects with solar or wind power generation
- Non-public workplaces are eligible
- \$500,000 cap for non-public workplaces
- \$500,000 reserved for MDU charging
- Revised funding amounts for Level 2 dual port chargers





## Transportation Fund for Clean Air

- Purpose: to reduce tailpipe criteria emissions from on-road sources
- \$4 surcharge on motor vehicle registrations
- Up to \$5 million allocated



# Eligible Facility Types

## Transportation Corridor



## Workplace



## Multi-Dwelling Unit



## Destination



### At least one:

- DC Fast

### May include:

- Level 2
- Low kW DC Fast

### Any combo of:

- DC Fast
- Low kW DC Fast
- Level 2
- Level 1

### Any combo of:

- DC Fast
- Low kW DC Fast
- Level 2
- Level 1

### Any combo of:


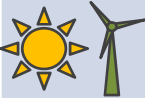

- DC Fast
- Low kW DC Fast
- Level 2
- Level 1



# Max. Award Amounts

Minimum: \$10,000 per application/applicant

Maximum: \$250,000 (for Level 1 and 2); \$600,000 (with DC Fast) per applicant

Project Scope	Maximum Funding Amounts per Charger (Usage Requirement Over 3 Yrs.)			
	Level 1 (1,500 kWh)	Level 2 (9,000 kWh)	DC Fast (Low kW) (15,000 kWh)	DC Fast (40+ kW) (75,000 kWh)
 Charging Station Only	\$500	\$3,000	\$5,000	\$25,000
 Bonus \$ for Solar or Wind Power	\$0.50 per kWh generated, up to a maximum of:			
	\$500	\$3,000	\$5,000	\$25,000
Bonus for dual ports	-	\$500	\$500	\$1,500
 Max. Award	\$1,000	\$6,500	\$10,500	\$51,500



# Minimum Usage Requirements and EV miles equivalent

	L1	L2	DC Fast (Low kW)	DC Fast (40+ kW)
Usage (kWh)	1,500	9,000	15,000	75,000
EV Mile Equivalent (Project Life: 3 years)	5,040	30,240	50,400	252,000
EV Mile Equivalent (per year for 3 years)	1,680	10,080	16,800	84,000
EV Mile Equivalent (per day for 3 years)	5	28	46	230
Charge Duration (hours per day for 3 years)	1.03	1.26	2*	1.92**

\*Assumes charging ~2 vehicles for 60 minutes.

\*\* Assume charging ~4 vehicles for 30 minutes.



# Eligible Project Cost

Costs eligible for reimbursement & match funding:

- Charging station hardware (including tax and shipping fees);
- Installation labor, materials (e.g., trenching, wiring, conduit) and necessary electrical upgrades to meet the demands of the Charging Station (i.e., electrical panels and transformers);
- Permit fees;
- Hardware or Equipment used to record kWh dispensed from the Charging Station to PEVs (e.g., separate meter, data logger); and
- *For projects incorporating solar or wind power generation: Power generation and battery storage hardware (including tax and shipping fees).*



# Project Commencement

- Projects that have completed some or all of the items under the Approved Pre-Project Activities are considered “shovel-ready.”
- Projects that have commenced prior to the execution of the contract (see Prohibited Pre-Project Activities) are ineligible for funding and will not be awarded funds/will have their funds cancelled if the Air District discovers that the project have commenced.

## Approved Pre-Project Activities

- Planning (drawings)
- Obtaining Permits
- Conducting Environmental Review
- Pre-wiring, as part of new construction
- Obtaining cost quotes/estimates

## Prohibited Pre-Project Activities

- Pre-ordering equipment
- Purchasing equipment
- Entering into contract/agreement to install chargers
- Beginning construction of charging stations



# Schedule

DATE	ACTIVITY
January 15, 2016, 4 PM	Application deadline (solicitation closes)
Within 90 days of application receipt	Notice of Determination
Within 30-90 days of Notice of Determination	Issue funding agreements for signature
Within 12 months of contract execution (Installation Completed)	All project equipment/stations must be installed and available for use by the public (awarded funds must be expended) Awardees submit Interim Status Report and Final Invoice <b>1st Payment:</b> Air District makes payment & retains 15%
Every 12 months after submittal of Interim Status Report (Operations Phase)	Awardees submit Annual Report for at least 3 years and until usage requirement is satisfied
After submission of last Annual Report (Project Completed)	<b>Final Payment:</b> Air District releases 15% that was withheld <b>Audit:</b> Air District conducts fiscal audit



# Application Submittal Instructions

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Submit both electronically and as a hard copy. Include the following:

- Completed signed [online application](#)
  - Evidence of Authority to Apply & Implement the Project
  - Proof of authority to install & operate station
  - Map showing each location and location of each charging station
  - Copy of estimate for each charger at each facility
  - Proof of insurance
  - W-9 (only hardcopy; do not upload)
  - Additional info (if applicable)





## What if the applicant is not the property owner?

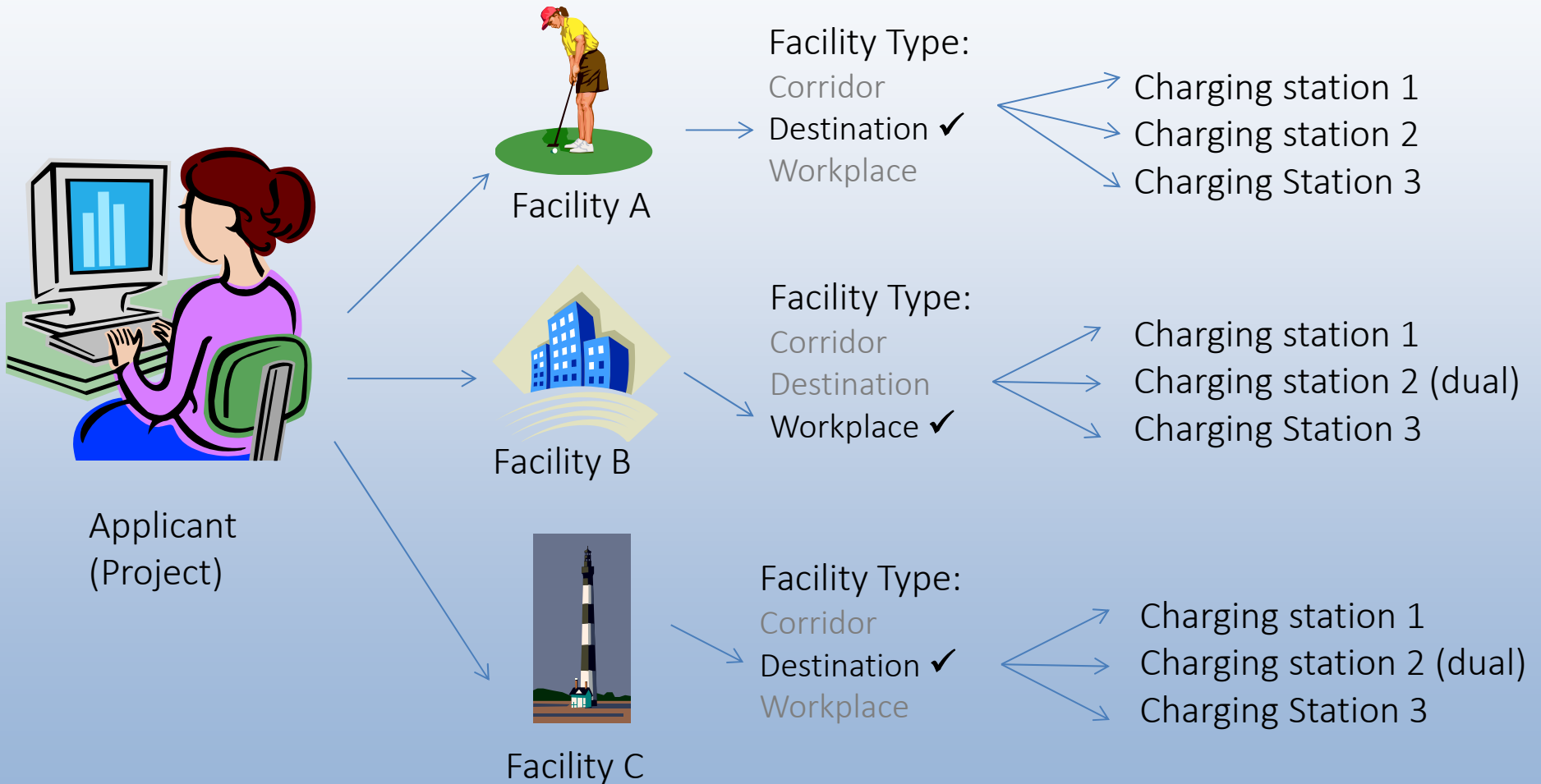
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Applicant must

- show proof of easement/property rights,
- have property owner sign as a joint grantee of the contract, or
- include Air District in third-party contract between the applicant and the property owner



# How to Apply?





# Example Application

## B. CHARGER INFORMATION

### Total Eligible Cost

Provide a budget below for this facility broken out by charger type. The Air District will determine your *match requirement (%)* based on cost information provided in this application.

Charger Type	Charger Quantity	# of ports/charger	Request/Charger (\$)	Solar/Wind Bonus Request/Charger (\$)	Dual Port Bonus Request/Charger (\$)	Total Request/Charger (\$)	Total Request (\$)	Total Eligible Cost (\$)	
DC Fast	1	1	25000			25000	25000	80000	
Level 2	5	2	3000	3000	500	6500	32500	50000	<a href="#">Remove</a>
Level 2	5	1	3000	3000		6000	30000	50000	<a href="#">Remove</a>

[Add another charger type](#)

### Discounts, Credits, & Non-Air District Grants/Rebates

Provide a list of ALL discounts, credits, and non-Air District grants/rebates by source and by charger type. If these funds are derived from more than a single source, specify each funding source and the amount on a separate line. *Air District will subtract these funds from your Eligible Cost to determine award amount. Refer to the FAQ for more information about how award amount is determined.*

Source	Amount (\$)	Funding Status	Charger Type
CEC grant	10000	Secured	Level 2

[Add another source](#)

Total Eligible Cost of this Facility: \$ 180000.00

Total Request for this Facility: \$ 87500.00



# EV Infrastructure Programs

## *Charge!*

To quickly and efficiently expand the region's network of publicly available charging stations.

- Public and Private Entities
- First come, first served
- Multifamily dwelling units are eligible locations
- Annual Reporting
- Lower maximum award and percent funded (75%)

## EV Charging Station Demonstration Program

To quickly and efficiently expand the region's network of publicly available charging stations AND to determine the environmental, economic, and operating benefits of publicly available charging stations.

- Public Agencies only
- Competitive process
- Multifamily dwelling units are not eligible for funding
- More frequent reporting; required to participate in discussions and case studies
- Higher maximum award and percent funded (90%)



# Additional Funding Sources



## Air Resources Board

- Cap & Trade
- Clean Vehicle Rebate Project (CRVP)
- California Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)



## California Energy Commission

- Infrastructure
- Planning
- Renewable Energy

## Other

- Federal (e.g., Department of Energy)
- Metropolitan Transportation Commission
- [CPUC Self-Generation Incentive Program](#)
- [CalCAP EV Charging Station Financing Program](#)



# Questions



[www.baaqmd.gov/charge](http://www.baaqmd.gov/charge)

Chengfeng Wang  
[cwang@baaqmd.gov](mailto:cwang@baaqmd.gov)