



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

Charge! Program

Pre-Application Workshop

July 18, 2017

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Staff Specialist



Webinar Information

This webinar is being recorded

Copies of presentations will be posted to the Program Website.

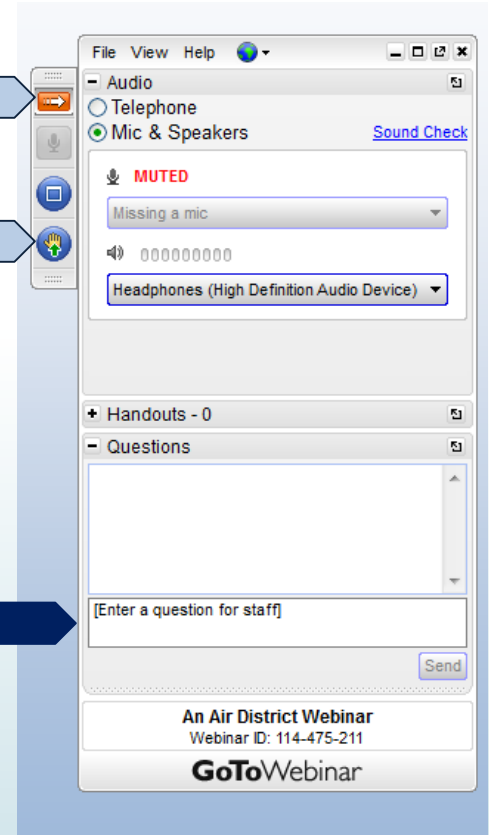
Type in questions using the questions box here.

Questions will be answered at the end of the presentation.

Show/Hide Control Panel

Raise Hand

Questions Box





Overview



Introduction & Background

- Bay Area Air Quality Management District (Air District)
- Criteria Pollution in the Bay Area
- Electric Vehicle (EV) Goals and Adoption

Program Information

- Funding Source
- Guidance and Requirements
- Process

How to Apply

Contact and Questions



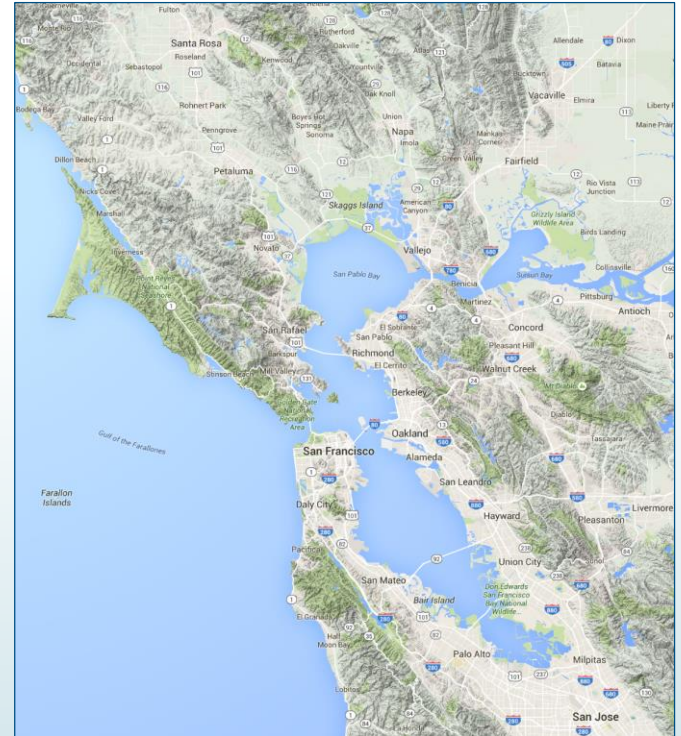
Introduction and Background

The Air District:

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

Mission:

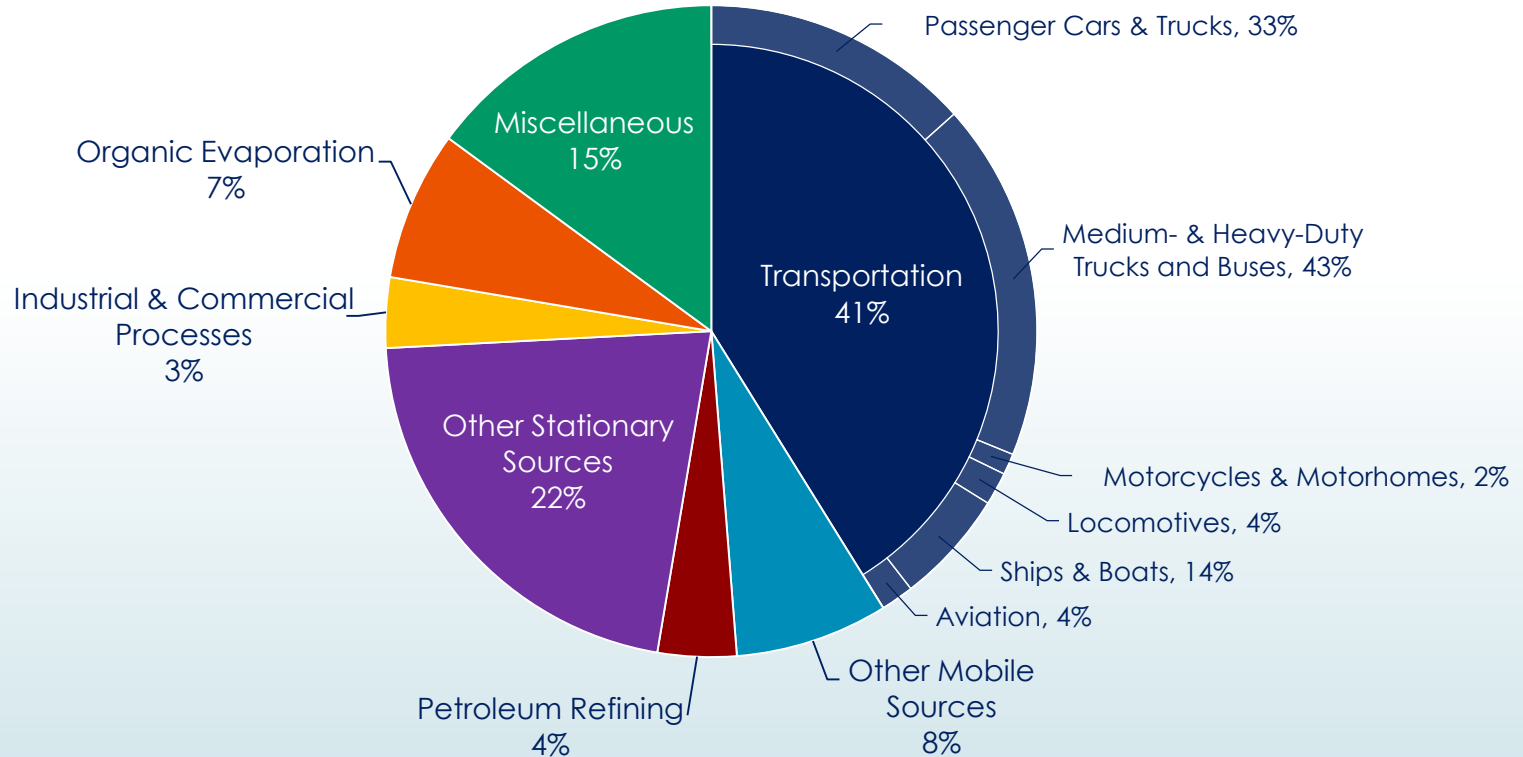
“To protect and improve public health, air quality and the global climate”





Sources of Bay Area of Criteria Pollution

2011 Total = 694 tons/day





Transportation Fund for Clean Air

- ▶ \$4 DMV Surcharge
- ▶ ~\$23 million available for projects in FYE 2017.
- ▶ Cost-effectively reduce tailpipe emissions of criteria pollutants

Trip Reduction



\$4M

Clean Vehicle



\$13M

Bicycle Facilities



\$5M



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Bay Area Electric Vehicle Adoption Goals

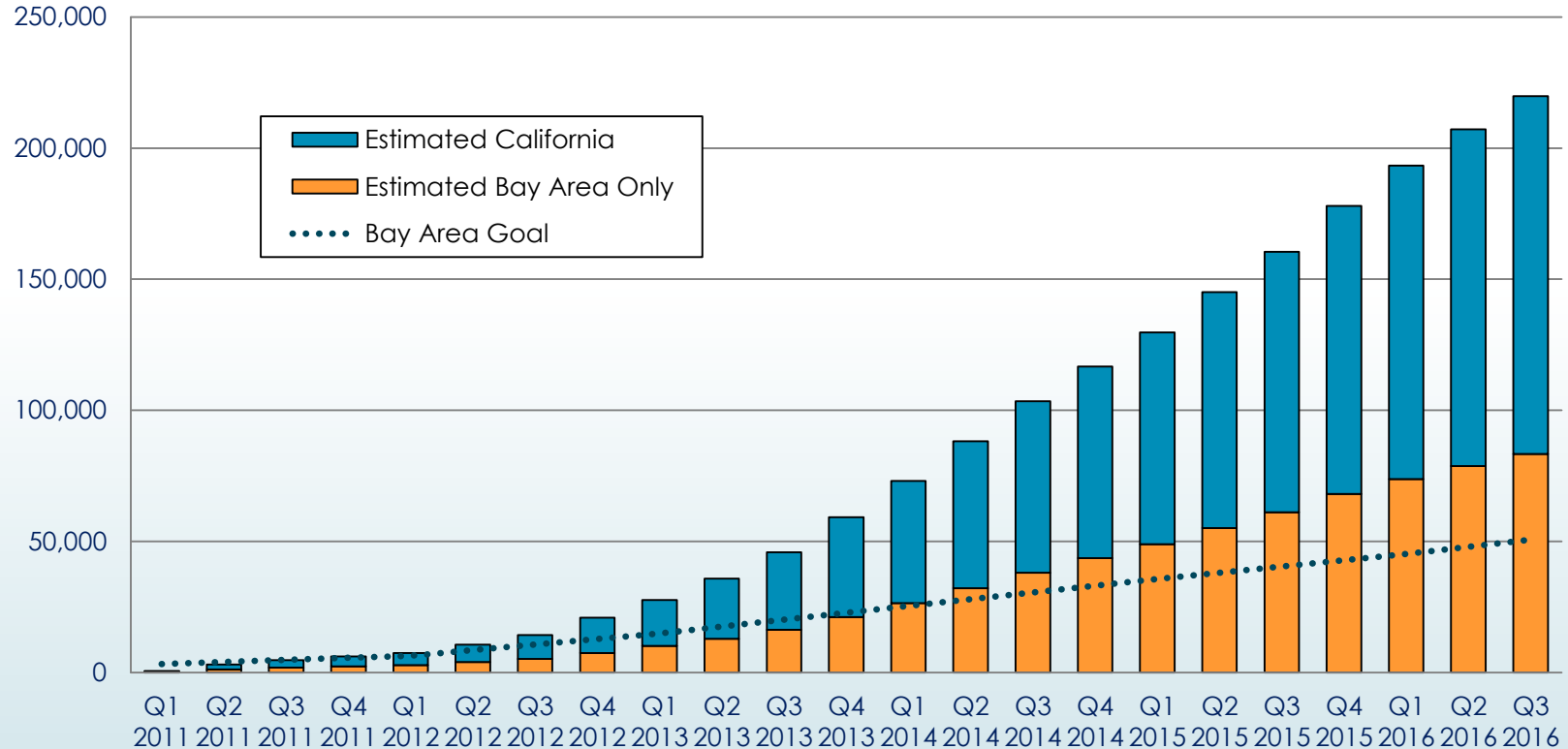


● 2020:
• 110,000 EVs
(Bay Area)

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



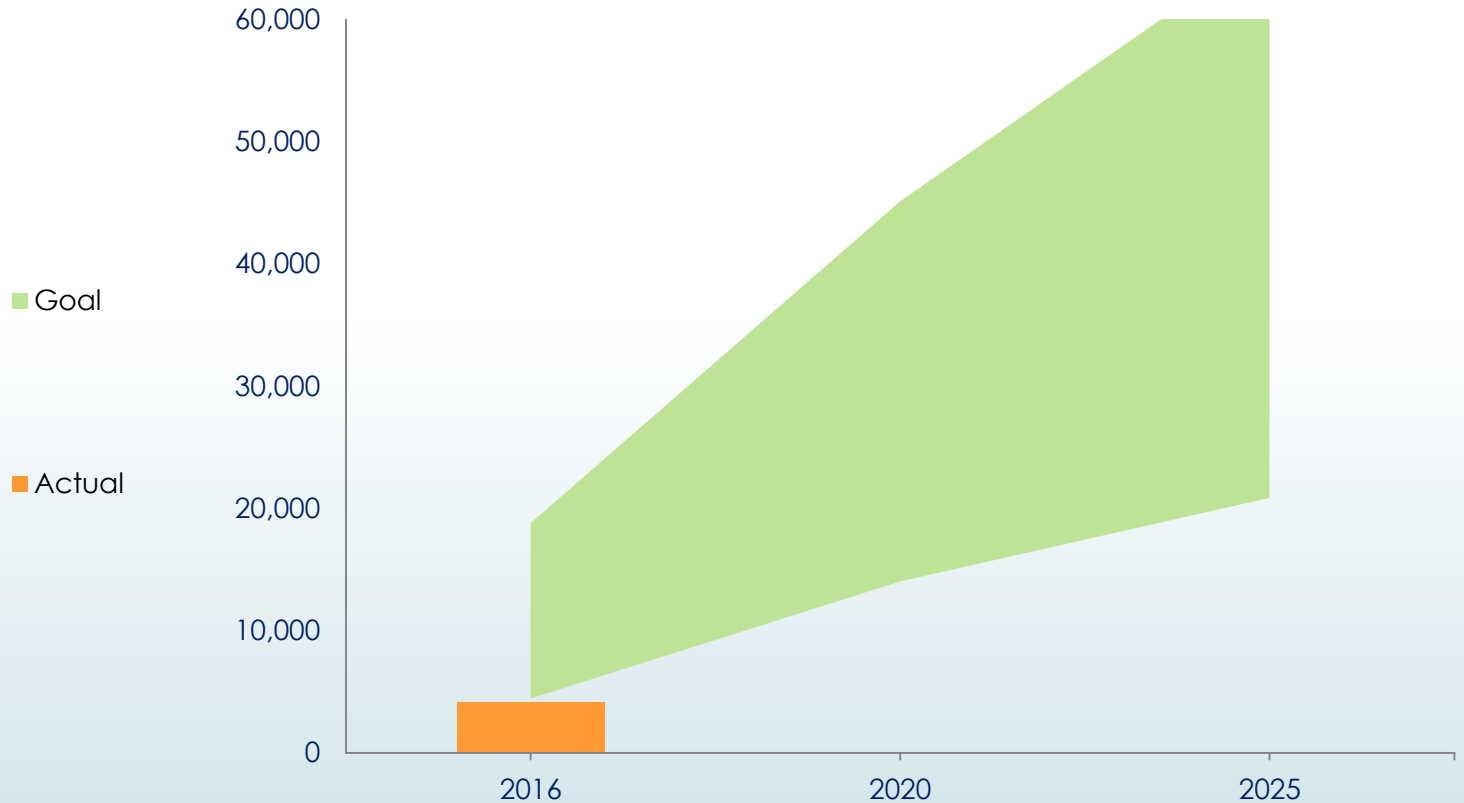
Bay Area EV Adoption (2011 – 2016)





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Bay Area Public EV Infrastructure





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Air District Funding for EVs



Infrastructure

Charge!



Vehicles

Scheduled for
mid-2017



Charge! Summary

“Charge! Is a TFCFA-funded grant program that helps offset a portion (up to 75%) of the cost of purchasing, installing, and operating new publicly available charging stations at qualifying facilities within the Air District’s jurisdiction. Funding is available on a first-come, first-served basis to public agencies and private businesses and is paid to grantees (“Project Sponsors”) on a reimbursement basis after the project has been completed.”



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Facilities



Destination



Multi-Dwelling Unit
(MDU)



Transit Parking



Transportation
Corridor



Workplace



Charging Station Funding and Requirements

All stations must be UL certified, stationary, and connected to the grid

Charging Station Type	Level 1	Level 2 (low)	Level 2 (high)	DC Fast*
Max Base Funding (per Station)	\$750	\$1,500	\$3,000	\$18,000
Connector Requirement	NEMA** 5-15, 5-20 or J1772	J1772		CHAdeMO & SAE Combo
Output Rating Requirement	1.4 KW	3.3 – 6.6 KW	6.6+ KW	40+ KW
Usage Requirement (over 3 years, per Station)	2,700 kWh	5,400 kWh	10,800 kWh	90,000 kWh

* Each DC Fast charging station installed must be paired with either a new or existing level 2 charging station at the same location.

** NEMA 5-15 or 5-20 receptacles are acceptable only for level 1 charging stations installed at MDU, Transit parking, and workplace facilities. Level 1 charging stations installed at other facilities must have the SAE J1772 connector.



Usage Requirement

Minimum kWh that must be delivered to EVs within 3 years

Charging Station Type	Level 1	Level 2 (low)	Level 2 (high)	DC Fast
Increase in EV miles driven (in 3 years)	9,000 mi	18,000 mi	36,000 mi	302,000 mi
Usage Requirement (over 3 years, per Station)	2,700 kWh	5,400 kWh	10,800 kWh	90,000 kWh
Daily Usage Requirement (250 days/yr, per Station)	3.6 kWh	7.2 kWh	14.4 kWh	120 kWh
Equivalent daily charging time (250 days/yr)	~2.6 hours	~2.2 hours	~2.2 hours	~6 x 30 min. sessions



Plus Up Funding

Multi-Port Level 2

\$1,000 per additional J1772 connector

- Must deliver additional 3,600 kWh per additional port over three years

New Solar

\$1 per installed Watt

- New Solar Plus Up cannot exceed the base funding amount of the facility

Transportation Corridors

\$7,000 per installed DC Fast Charging Station

- Must be available 24 hours per day, 7 days per week
- Must be within one mile driving distance of an heavy volume expressway, freeway, highway, etc.



Key Grantee/Project Sponsor Obligations

Station Installation

- Complete within 9 months
- Use a Licensed Contractor

Insurance

- General Liability
- Workers Comp

Operate & Report

- 3 years/until Usage Requirement is met
- Submit Interim, 3x Annual, & Final Reports

Allow & Cooperate

- Fiscal Audits
- Project Inspections



Case-by-Case: examples

Eligible

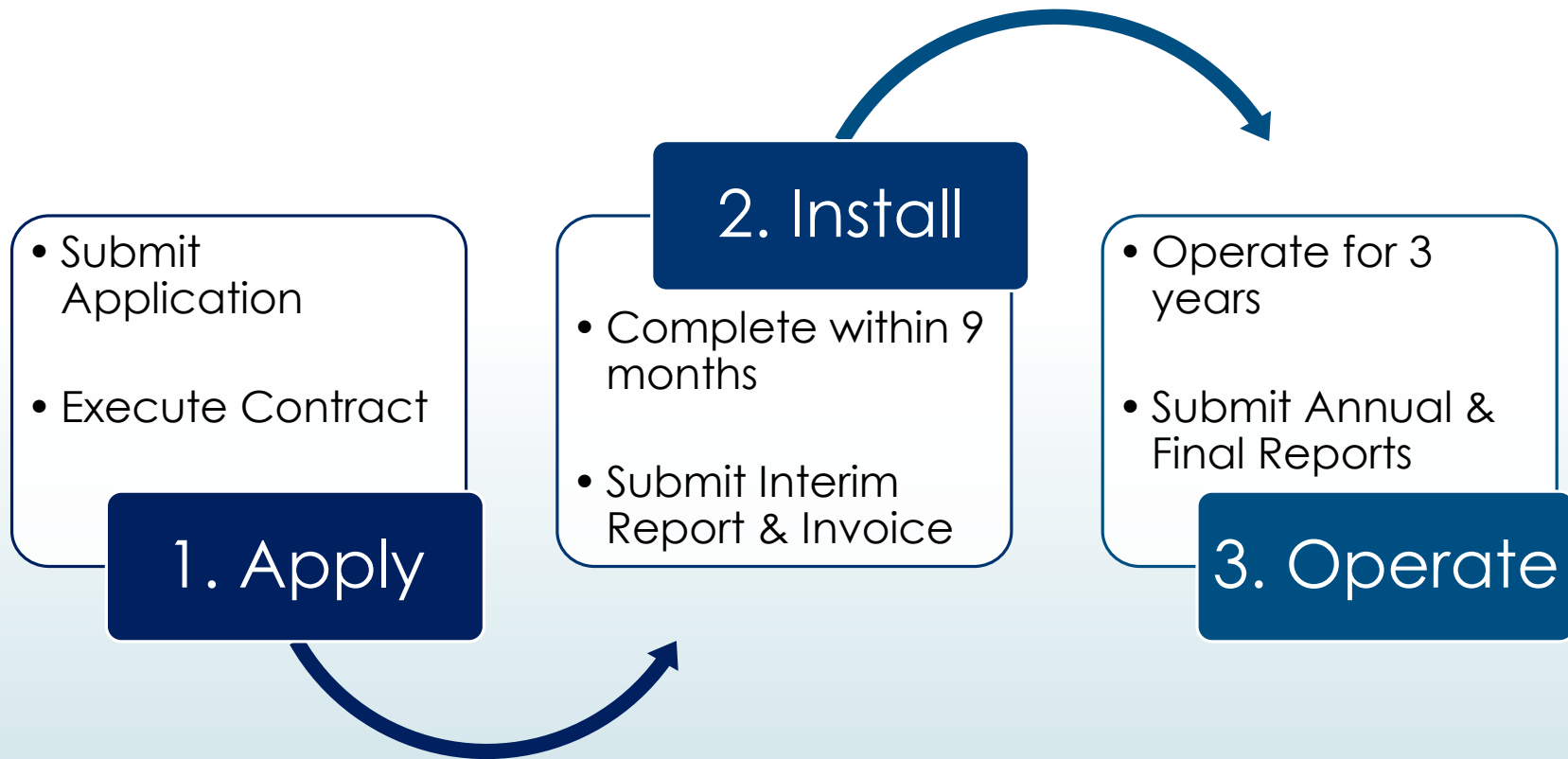
- Non-conforming chargers (connectors)
- Other forms of zero-emissions renewable power
- Stations that will be used by workplace and MUD only
- Low-usage chargers

Not Eligible

- Non-commercialized and non-UL listed chargers
- Non-zero emissions power
- Stations that will serve single family residents
- Projects that do not meet minimum funding level



Charge! 3-step process





Step 1: Apply

● Applicant:

- Submit online application, including:
 - Letter of commitment / Authority to Apply
 - Proof of property ownership
 - Map of proposed charging stations locations
 - Line item cost estimate
- Sign and return Contract
- Ensure no work will begin until receipt of Notice to Proceed



● Air District:

- Review application, issue Notice of proposed Award if eligible
- Forward proposed Contract for signature
- Execute Contract and issue Notice to Proceed



Step 2: Install / Project Implementation

● Grantee (Project Sponsor):

- Purchase equipment
- Hire a licensed contractor to perform work
- Install and activate equipment
- Obtain and Maintain Insurance
- Submit Interim Status Report & Invoice



● Air District:

- Release 85% of funds for reimbursement following installation and review of Report & Invoice



Step 3: Operate and Report

● Grantee (Project Sponsor):

- Operating and maintain equipment for 3 years
- Ensure usage requirement is met
- Maintain insurance
- Submit annual and final reports



● Air District:

- Audit and Inspect
- Release remaining 15% of funds for reimbursement following fulfillment of usage requirement and review of final report



Online Application (page 1)

APPLICANT'S ADDRESS

Legal Address * Street Address Line 2 City * State * Zip *

Do you have a mailing address different from above? *

Yes

No

All official documents regarding this grant will be sent to the legal address unless a mailing address is provided.

CONTACT INFORMATION

Project Contact
This person serves as the point of contact for day-to-day communications.

Name of Project Contact * Project Contact Position/Title *

Project Contact Email Address Project Contact Phone Number *

Is the person authorized to sign documents the same as Project Contact? *

Yes

No

Is the person completing the application the same as Project Contact? *

Yes

No

Project Budget

Estimated Total Project Cost (\$)

Matching Funds:
Enter in the source and amount of all matching funds for the eligible costs of this project. Note that the sum of all matching funds must be at least 25% of the Estimated Total Project Cost. To add additional sources, click "Add Line Item" below.

Item	Source	Source Type	Amount (\$)	Status
	<input type="text"/>	Please select... ▼	<input type="text"/>	Please select... ▼

[Add Line Item](#)

Total Matching Funds (\$) 0.00



Online Application (page 2)

I. Project Schedule

Please provide the proposed Project schedule. For the Expected Date of Installation Start, indicate when work will commence (e.g., apply for permits, initiate CEQA, place order for equipment). For Expected Date Charging Stations will be available for use, indicate when all of the installation work for this project will be complete and all of the facilities that are part of this project will be open and available for use. Note: To be eligible for funding, all stations must be installed and operating within 9 months from the date the Funding Agreement is executed.

Expected Date of Installation Start * Expected Date Charging Stations will be available for use *

II. Facility Information

If the project includes more than one charging facility, then Section II must be completed for each distinct facility. To add another charging facility, click on "Add Another Facility" on the bottom of the section. A maximum of five facilities may be included in this application--if you have more than five facilities, please contact us.

A. FACILITY LOCATION

Facility Address * City * Zip * County *

Does applicant own the property? *

Facility Category *

B. IMPACTED COMMUNITIES & PRIORITY AREAS

As part of the evaluation criteria, projects in PDA or CARE areas may receive high priority.

Is the station located in a Bay Area CARE Area? * Yes No

Will the service operate in a designated Planned or Potential Priority Development Area (PDA)? * Yes No

C. Charging Station Information

Enter information for your proposed charging stations. If this facility has more than one charging station type, click "Add another charging station type" to add another line

Quantity:	Type	Ports per Station	Make & Model	Base Award
<input type="text" value="1"/>	<input type="text" value="Please select..."/>		<input type="text"/>	\$ 0

[Add another charging station type](#)

Max. Base Award for this Facility \$ 0

D. Plus-up Funding

If you're installing a new solar system, enter rating of new solar system in watts, otherwise leave blank: (Watts)

Plus-up Amount \$ 0

Does this Facility qualify for the Transportation Corridor Plus-up? Yes No

Plus-up Amount \$ 0

Are you requesting Plus-up for Multi-port Level 2? Yes No

Plus-up Amount \$ 0

Total Plus-up Amount \$ 0



Online Application (page 3)

1. Evidence of Authority to Apply

A signed letter of commitment from an individual with authority to enter into a financial commitment and carry out the Project (e.g., Chief Executive or Financial Officer, Executive Director, City Manager);

OR

A signed resolution from the governing board (e.g., City Council, Board of Supervisors, Board of Directors).

The signed letter of commitment or resolution must address the following:

- Authorize the submittal of the application.
- Confirm that the entity has secured matching funds from a non-Air District source(s) that would fund the costs to purchase/install and maintain the vehicle charging station in excess of the award amount.
- Acknowledge that the entity will operate and maintain the station for its intended purpose for a minimum of three years.

Evidence of Authority to Apply *

No file chosen

2. Property ownership

Proof of property ownership or written permission from property owner to install and operate PEV Charging Stations. Include for each facility--Click "Add another attachment" below to upload more than one file. (max 5)

Proof of Property Ownership *

No file chosen

[Add another attachment](#)

3. Cost Quote

A line item cost quote to purchase and install the charging stations from a licensed contractor, include the contractor license number. Include for each facility--Click "Add another attachment" below to upload more than one file. (max 5)

Cost Estimate from Licensed Contractor *

No file chosen

[Add another attachment](#)

4. Map

Map showing the location in detail for each proposed charging station. Map must show 1) proximity to nearest roadway, 2) proximity to buildings, and 3) proximity to existing charging stations. Click "Add another attachment" below to upload more than one file. (max 5)

Map of proposed charging stations *

No file chosen

[Add another attachment](#)

5. Proposed Charging Station Spec Sheet

Please upload the specification sheet for the proposed charging stations, Click "Add another attachment" below to upload more than one file. (max 5)

Specification Sheet *

No file chosen

[Add another attachment](#)



Online Application (page 4)

PART 4. CERTIFICATION & SURVEY

By submitting this application online, I agree to the below statements and certify that to the best of my knowledge, the information contained in this application and in any documentation accompanying this application or submitted in furtherance of this application is true and accurate. Also, I understand that any misstatements or omissions of material facts may disqualify this application and any monies awarded based on it.

The applicant entity I represent has read, understood, and agrees to comply with the requirements listed in the *Charge!* Program Guidance.

This application is for evaluation purposes only and does not guarantee project funding.

The applicant entity I represent agrees to operate and maintain all charging stations until the usage requirements have been met and for a minimum of 3 years from the date that the equipment is placed into service.

The proposed project and the emissions reductions that would be realized from it are not required by any federal, state or local regulation, judicial order, agreement, memorandum of understanding, contract, mitigation requirement, or other binding obligation that requires the project applicant to implement any portion of the project that would be funded by the Air District.

The applicant entity I represent is in compliance and will remain in compliance with all applicable federal, state, and local air quality rules and regulations.

The applicant entity I represent agrees to submit Semi-annual Progress Reports until the station is put into service and Annual Monitoring Reports on an annual basis for the duration of the project to report, at a minimum, electricity dispensed, proof of insurance, and cost to use the station(s).

The applicant entity I represent will allow Air District staff or its designee to inspect all charging station(s) and to audit program records.

Should the project sponsor fail to meet any of the Program requirements, the award may be cancelled and forfeited; this potentially would require reimbursement of a pro-rated amount of the award.

I have the legal authority to apply for funding on behalf of the applicant entity and that I am authorized to sign this application on behalf of applicant.

Print Name * Title * Date *

Survey

Please help us improve our grant application process and outreach by answering a few survey questions!

How did you hear about this grant opportunity?

Did you or anyone associated with this application attend an Yes No
Application Workshop, a meeting, or other event where
information was presented about BAAQMD grant programs?

Was this application easy to follow? Yes No

Please share your suggestions for improving the application
process:



Project Schedule

Date	Activity
<p>Projects that Request \$10,000 - \$100,000 within 60 days from the date a complete application is submitted</p> <p>Projects that request greater than \$100,000 have a longer approval process since they require Air District Board approval</p>	<p>Air District notifies applicant about its determination (Notice of Proposed Award) and a proposed Funding Agreement is sent for the Project Sponsor's signature.</p> <p>Applicants that are not selected for award are notified and provided an explanation of why their project was not selected or found to be eligible</p>
<p>Within 9 months of the Funding Agreement being executed</p>	<p>All charging stations must be installed and operating, First reimbursement installment</p>
<p>Once stations are installed and for 3 years after charging stations are installed and operating</p>	<p>Operating and Reporting period, Audit and Inspection</p>
<p>After completion of the Operating and Reporting period</p>	<p>Final Reimbursement installment</p>



Program Schedule

Date	Activity
February 15, 2017	Program Solicitation Released
February 28, 2017	Application form will be posted following the first workshop
August 1, 2017 August 29, 2017	Pre-application workshops
November 3, 2017 (unless funds exhausted sooner)	Application deadline (solicitation closes)
90 days after received	Case-by-case applications evaluated



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Questions

www.baaqmd.gov/charge

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