

GRANT APPLICATION FORM

FY 2009/10 TRANSPORTATION FUND FOR CLEAN AIR REGIONAL FUND

**Advanced Technology Demonstration Projects**

**INSTRUCTIONS**

Projects must meet Transportation Fund for Clean Air (TFCA) Regional Fund policies and eligibility criteria approved by the Bay Area Air Quality Management District (BAAQMD) Board of Directors for FY09/10. Application and Guidance can be found at [www.baaqmd.gov/tfcaregional](http://www.baaqmd.gov/tfcaregional). If you have questions about application requirements, please call Michael Neward, Administrative Analyst, (415)749-4703.

**Public agency applicants** must complete Parts 1 through 7.

**Non-public entities** must complete Parts 1 through 6.

Electronic versions of the application forms are available at [www.baaqmd.gov/tfcaregional](http://www.baaqmd.gov/tfcaregional).

**SUBMITTAL**

- Complete Parts 1, 2 and 6 in Microsoft Excel and rename the file so it includes your organization name and specifies Part 1, 2, or 6 (i.e. *Organization-PART1.xls*). Complete and submit a separate Part 6 for each additional vehicle type and/or infrastructure location. Email the files to [grants@baaqmd.gov](mailto:grants@baaqmd.gov).
- In addition, submit two (2) hard copies of complete applications (all Parts) and copies of applicable documentation. Applications may be sent by mail and/or hand-delivered to the address listed below.

Karen Schkolnick  
District Grant Programs Manager  
Strategic Incentives Division  
BAAQMD  
939 Ellis Street  
San Francisco, CA 94109

*Other application materials including Parts 3 – 5 and 7 sent by email and/or by fax will not be accepted.*

*Please note only complete applications will be reviewed as part of this program.*

**PART 1. SUMMARY INFORMATION:** Complete using the Microsoft Excel spreadsheet posted at [www.baaqmd.gov/tfcaregional](http://www.baaqmd.gov/tfcaregional), and email the file to [grants@baaqmd.gov](mailto:grants@baaqmd.gov).

**PART 2. PROJECT BUDGET:** Complete using the Microsoft Excel spreadsheet posted at [www.baaqmd.gov/tfcaregional](http://www.baaqmd.gov/tfcaregional), and email the file to [grants@baaqmd.gov](mailto:grants@baaqmd.gov).

**PART 3. PROJECT DESCRIPTION**

A. Project Title: \_\_\_\_\_.

B. Type of vehicle-based technology being funded: \_\_\_\_\_.

C. List all participating entities and describe each partners' role in the project (*Not to exceed one page*).

D. Describe the implementation area for the project (i.e., specific neighborhood or corridor, city, county, etc.).

E. Is the technology currently available or being implemented in the Bay Area (9 County Area)?

Yes \_\_\_\_\_ No \_\_\_\_\_

F. Are you a previous recipient of a BAAQMD grant?

Yes \_\_\_\_\_ No \_\_\_\_\_

**Instructions:** Responses are limited to fifteen (15) pages maximum (8.5 x 11 inch pages of single-spaced, standard 11-point type with 1-inch margins.) Supporting documentation and biographical sketch are not counted towards the 15 page limit. The Air District may request additional information or documentation during the application review process.

**1. PROJECT INFORMATION:**

- 1a. Provide a brief project description (50 words or less).
- 1b. Describe the project and deliverables (e.g., expected results and products to be developed and/or tested).
- 1c. List all project site location(s).

**2. EMISSION REDUCTIONS** - Provide pre-project and post-project emission reduction estimates for Particulate Matter (PM10), Reactive Organic Gas (ROG), Nitrogen Oxide (NOx) and Greenhouse Gas (GHG), the time period during which emissions reductions will occur and the calculation methodology used for emission estimation.

**3. FEASIBILITY FOR NEAR-TERM COMMERCIALIZATION** - Discuss anticipated performance improvements (technical and operational) of the proposed project vs. current practices. Describe how the project contributes to a shift towards a sustainable alternative fuel and advanced technology vehicle market. Describe the potential for commercialization without additional grant funding.

**4. READINESS** - Describe readiness to proceed with the project; include relevant partnerships, equipment availability, permits and licenses that demonstrate the projects readiness. Identify potential implementation barriers and timely strategies for their resolution.

**5. TIMELINE** – Provide a project schedule that addresses the status and timeline for applicable activities:

- o Design Specifications/Equipment Certification
- o Agreements with partner/vendors
- o Permitting/Environmental Review
- o Fueling Infrastructure Installation/Construction
- o Equipment Ordered/Procured/Delivered/Placed into service
- o Infrastructure Site Improvement/Construction
- o Training/Education/Marketing/Outreach Activities
- o Equipment Data Collection Phase
- o Duration of Project Implementation or Project Specific Milestones
- o Project Completion

**6. JOBS** - Describe jobs created or preserved as a result of this project in the Bay Area and in California. Also include local labor opportunities after project completion/full implementation.

**7. QUALIFICATIONS** – Briefly describe qualifications and experience of all identified key personnel in areas relevant to the proposed work, and degree of success achieved in conducting projects of similar scope. Additionally provide a **biographical sketch** for up to 7 senior/key team members. The biographical information for each person must be limited to 2 pages and should include education and training, research and professional experience, publications, and synergistic activities.

**8. ADDITIONAL REQUIREMENTS:**

- As necessary, provide written commitments from project partners and suppliers. Include letters documenting technical and/or financial support and/or site availability from all team partners and site owners.
- Projects that are selected for award will be required to submit a draft outline of a final report to be turned in at the end of the project. Final Reports will describe project outcomes, including emission reductions obtained through testing, and future phases of the project if applicable.

**PART 4. PROJECT INFORMATION (PROVIDE DOCUMENTATION AS NOTED):**

**YES   NO**

**FOR ALL PROJECTS:**

- A. Have you attached the required signed Letter of Commitment or Resolution?  
 authorizing the submittal of your grant application and identifying the individual authorized  
 to submit and carry out the proposal? \_\_\_   \_\_\_
  
- B. Have you attached documentation to substantiate matching funds that will be applied to  
 the project? \_\_\_   \_\_\_
  
- C. Will the project directly benefit Sensitive and PM Impacted Communities? (See  
*Grant Application Guidance*, Evaluation Criterion #5) \_\_\_   \_\_\_

Please use the Priority Community map to identify which impacted communities this project would operate in, and indicate the percentage of time the project will operate in each highly impacted community in the table below. A link to the map is available at [www.baaqmd.gov/tfcaregional](http://www.baaqmd.gov/tfcaregional). (Use the “zoom in” tool on the electronic version to enlarge the map to best identify boundaries and zone numbers.) Note: BAAQMD staff may request that the grant applicant provide documentation to verify the information provided below.

Zone Number	Percent Operation
1 Concord	
2 Richmond/San Pablo	
3 Western Alameda County	
4 San Jose	
5 Redwood City/East Palo Alto	
6 Eastern San Francisco	
<b>Total</b> (Maximum 100%)	

- D. Will the project operate in an officially designated Planned or Potential Priority  
 Development Area (PDA)? (See *Grant Application Guidance*, Evaluation  
 Criterion #6.) To receive points, you must fill in the table below. \_\_\_   \_\_\_

For each of the Types of PDAs on the PDA map, indicate the percentage of the time your project will operate in that PDA and identify the number/letter code of the PDA found on the map. A link to the map is available at [www.baaqmd.gov/tfcaregional](http://www.baaqmd.gov/tfcaregional). (Use the “zoom in” tool on the electronic version to enlarge the map to best identify boundaries and PDA codes. For boundaries that are not clearly identifiable, use your best judgment as to which PDA your project operates in) Note: BAAQMD staff may request that the grant applicant provide documentation to verify the information provided below.

PDA Type (Potential or Planned)	Percent Operation	Code

**PART 5. CERTIFICATION AND SURVEY**

**Applicant must read and initial each applicable item below to indicate understanding and agreement:**

I understand that this application is for evaluation purposes only and does not guarantee project funding.

**Initial:** \_\_\_\_\_

I certify that the proposed project and the emission 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 under the TFCA program.

**Initial:** \_\_\_\_\_

I certify that this application is for equipment/vehicle(s)/engine(s) **that have not already** been funded, nor are currently under consideration for funding by another air district, the Department of Energy (DOE), the California Energy Commission (CEC), the California Air Resources Board (ARB) or by another public agency. Please note that some projects may not be eligible for funding from TFCA if they are receiving funding from other government agencies.

**Initial:** \_\_\_\_\_

I certify that this application is for equipment/vehicle(s)/engine(s) **that has already been** funded, or is currently under consideration for funding by another air district, the Department of Energy (DOE), the California Energy Commission (CEC), the California Air Resources Board (ARB) or another public agency. Please note that some projects may not be eligible for funding from TFCA if they are receiving funding from other government agencies.

**Initial:** \_\_\_\_\_

I 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 and I understand that any misstatements or omissions of material facts may disqualify this grant application and any monies awarded based on it.

**Initial:** \_\_\_\_\_

I understand and agree that no costs funded by this program may be incurred until after the funding agreement is executed between the grantee (equipment owner) and the District.

**Initial:** \_\_\_\_\_

I certify that 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.

**Signed:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
*(Authorized Representative of Applicant Organization)*

**Name (Please Print):** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Survey Questions:**

Was this application easy to follow?  Yes  No

If not, do you have any recommendations for making it easier to understand? If any,

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PART 6. PROJECT TYPE-SPECIFIC INFORMATION** *Complete using the Microsoft Excel spreadsheet posted at [www.baaqmd.gov/tfcaregional](http://www.baaqmd.gov/tfcaregional), and email the file to [grants@baaqmd.gov](mailto:grants@baaqmd.gov)*

Applicants should complete a separate Part 6 for each vehicle type(s) and/or infrastructure location(s). Below is a brief summary describing which Part 6 project sponsors should use when completing the Advanced Technology Demonstration application.

**Part 6: Advanced Demonstration Heavy/Medium Trucks:** Applicable for projects that will test and/or implement new technologies utilized by Heavy Duty vehicles.

**Part 6: Advanced Demonstration Utility Vehicle (Low Mileage/High Idling):** Applicable for Heavy Duty vehicle projects that have higher rates of fuel consumption such as garbage or utility trucks.

**Part 6: Advanced Demonstration Infrastructure:** Applicable for projects that will demonstrate or test the use of advanced technology infrastructure.

**Part 6: Advanced Demonstration Light Duty Vehicles:** Applicable for projects that will test and/or implement new technologies utilized by light duty passenger vehicles and/or trucks.

**PART 7. CLEAN AIR POLICIES AND PROGRAMS**

(FOR PUBLIC AGENCIES ONLY, EVALUATION CRITERION #4, MAXIMUM OF 10 POINTS)

The table below shows which types of agencies may earn credit for implementing certain TCMs.

To obtain a full description of the TCMs, visit [www.baaqmd.gov/Divisions/Planning-and-Research/Plans/Bay-Area-Ozone-Strategy.aspx](http://www.baaqmd.gov/Divisions/Planning-and-Research/Plans/Bay-Area-Ozone-Strategy.aspx) and see Volume 2, Appendix D -Transportation Control Measure Descriptions on that website.

**For each applicable TCM that your agency implements, provide a brief paragraph (not to exceed 100 words) describing:** 1) the policies and actions that your agency has adopted in order to implement the TCM; and 2) current progress in implementing those policies and actions.

Additional documentation is not required at the time of submittal - Air District staff will notify you if supporting documentation is required.

**Available Credit for Transportation Control Measures**

<b>Transportation Control Measures</b>	<b>Cities/Counties</b>	<b>Transit Agencies</b>	<b>Caltrans/MTC and other Transportation Agencies</b>	<b>Other Non Transportation Agencies</b>	<b>School Districts (K-12)</b>
1 Support Voluntary Employer-Based Trip Reduction Program	X		X	X	
3 Improve Local and Area-wide Bus Service		X	X		
4 Upgrade and Expand Local and Improve Regional Rail Service		X			
5 Improve Access to Rail and Ferries		X	X		
6 Improve Interregional Rail Service		X			
7 Improve Ferry Service		X			
8 Construct Carpool/Express Bus Lanes on Freeways			X		
9 Improve Bicycle Access and Facilities	X	X	X	X	
10 Youth Transportation		X			X
11 Install Freeway Traffic Management Systems			X		
12 Arterial Management Measures	X	X			
13 Transit Use Incentives	X	X	X	X	
14 Carpool and Vanpool Services and Incentives	X		X	X	
15 Local Land Use Planning and Development Strategies	X		X	X	X
16 Public Education/Intermittent Control Measures	X	X	X	X	X
17 Conduct Demonstration Projects	X	X	X	X	X
18 Implement Transportation Pricing Reform	X		X	X	
19 Improve Pedestrian Access and Facilities	X		X	X	X
20 Promote Traffic Calming Measures	X				

Submission of TCMs without the description will not qualify for points.