



Solano County Transportation Fund for Clean Air County Program Manager Funds Application Fiscal Year 2022-23

- ❑ **Submit a cover letter, complete application, project details form, and insurance documentation electronically to:
djimenez@sta.ca.gov
Dulce Jimenez, Planning Assistant
Solano Transportation Authority
423 Main Street
Suisun City, CA 94585**
- ❑ **Applications are due to the Solano Transportation Authority (STA) before 5:00PM on September 15, 2022.**
- ❑ **STA staff will require a consultation with the project sponsor prior to an application submittal in order to ensure that the project is eligible for the TFCA Program.**

Solano TFCA Application for Fiscal Year 2022-23

Eligible Recipients: Public agencies located in Benicia, Fairfield, Suisun City, Vallejo, and southwestern portions of Solano County are eligible for TFCA funding. Non-public entities are only eligible to apply for new alternative-fuel vehicle and infrastructure projects, and advanced technology demonstrations.

Funding Available: A total of \$187,187 available for FY 2022-23

- At least \$60,000 for electric vehicle infrastructure projects
- Remaining balance of TFCA funding are available for other clean air eligible projects such as bicycle and pedestrian projects, smart growth/traffic calming and other alternative fuel projects.

Cost Effectiveness Requirements

Projects must meet cost effectiveness standards set by the Bay Area Air Quality Management District (BAAQMD) to be eligible to receive funds. Project sponsors are required to schedule a consultation meeting with Solano Transportation Authority (STA) staff before going through the application process to assess the cost effectiveness and eligibility of the proposal. The calculation inputs in #8 must be provided to be able to run the cost effectiveness calculation.

1. Provide the following information:

- A. Project Title**
- B. Primary Contact Name**
- C. Agency**
- D. Address**
- E. Phone Number**
- F. E-mail Address**

2. Provide a detailed project description.

3. Provide the total cost of the project and list other secured funding sources and their amounts dedicated to it.

4. Describe the project location and target population. Attach a detailed map of the project area or location of the target population area that this project will serve.

5. Include a project schedule (including project milestones) and indicate estimated project completion date.

6. Type of project eligibility (see Solano TFCA Program Manager Guidelines for detailed project eligibility information):

A. Alternative Fuel Light-Duty Vehicles	-
B. Alternative Fuel Heavy-Duty Vehicles and Buses	-
C. On-Road Goods Movement Truck Replacements	-
D. Alternative Fuel Infrastructure	-
E. Existing Ridesharing Services	-
F. Existing Shuttle/Feeder Bus Service	-
G. Pilot Shuttle/Feeder Bus Service Projects	-
H. Pilot Trip Reduction	-
I. Bicycle Projects	-
J. Bike Share	-
K. Arterial Management	-
L. Smart Growth/Traffic Calming	-

7. Attach agency's insurance documentation.

8. Select the project category that best describes your proposed project in the following pages and include all information as specified as an attachment. Applicants may be required to submit additional information for purposes of determining air emission reductions prior to final grant approval by the Bay Area Air Quality Management District (BAAQMD). To aid in this process, attached are the default assumptions used by the BAAQMD to determine eligibility.

Category #1: Ridesharing/ Trip Reduction

- Years of effectiveness
 - Up to 2 years
- Estimated target population (provide assumptions for estimates and attach relevant reference material)
- Length of trip (1-way)
- Number of vehicle trips per day eliminated that would have been single occupant vehicle trips if not for this service
- Days per year vehicle trips are reduced

For Transit Incentives Campaigns please also provide the following

- Average length of reduced trip (one-way)

Category #2: Bicycle Projects

- Indicate the type of bicycle route to be constructed (Class I, Class II, or Class III)
- Length of the project segment.
- Indicate the number of years effectiveness
 - Class I not to exceed 10 years
 - Class II, Class III and Class IV not to exceed 7 years
- Indicate the Average Daily Traffic (ADT) on a parallel road closest to the proposed bicycle route project and highlight the parallel road in the required map for the project area (see Application Question #2).
- Indicate if the project is consistent with the California Highway Design Manual for construction of path, trails or bridges (Class I), bicycle lanes (Class II) or bike routes (Class III).
- Estimate number of bicycle users for the project and include assumptions.
- Indicate bicycle capacity, which the project will serve at any given time for bicycle racks (including bike racks on buses), bicycle lockers, bicycle storage facilities or police bikes (electric or non-electric).
- Has this project been reviewed by the STA's Bicycle Advisory Committee and/or is it identified in the Solano Countywide Bicycle Plan.
- Indicate estimated number of auto trips, number of days/year of the reduced auto trips. Indicate the auto trip lengths removed as a result of this project. Clearly define your assumptions.

Category #3: Shuttle Buses/Feeder Buses

- Indicate whether the shuttle bus route serves a transit facility.
- Indicate the trips/day eliminated (1-way) and trip length.
- Indicate number of trips per day eliminated based on survey results for new service if this is a new service. For existing service, provide shuttle/feeder bus seating capacity.
- Estimate number of operating days/year the proposed shuttle/feeder bus will be in service
- Indicate number of years effectiveness
- Description of shuttle/feeder bus service: type of buses used, year built, and fuel type

Category #4: Arterial Management Projects

- Provide name of arterial and location of Project
- Indicate number of years effectiveness
- Segment Length (miles)
- Days/year project would affect traffic
- Time Period (describe expected time over which speeds will change and include all the hours in a period that will benefit, not just the peak)
- Indicate the traffic volume before project implementation for the corresponding time period indicated in the previous bullet
- Provide travel speed without the proposed project
- Provide estimated travel speed without the proposed project
- Project estimated travel speed with the proposed project (*Maximum increase in speed is 25%*)

Category #5: Clean Air Vehicle Projects

Light Duty Clean Air Vehicles- For clean air vehicles with of gross vehicle weight of 14,000 pounds or less.

- Current standard
- New vehicle standard
- Average annual miles

Heavy Duty Clean Air Vehicles- For clean air vehicles with a gross vehicle weight of more than 14,000 pounds.

- Vehicle engine model and year
- Baseline fuel type
- Vehicle class
- Average annual miles
- Total project cost
- Replacement vehicle cost
- TFCA funds you are asking for
- Proposed vehicle engine model/ year (is it hydrogen or EV)

Category #6: Clean Air Vehicles and Infrastructure Projects/EV

*Applicants are encouraged to contact STA staff for Clean Air Vehicles and Infrastructure Project eligibility.

- Please provide the following information for EV Charging Infrastructure Projects:
 - Type and Rate (kW) of EV Charger (Level I, Level II, DC Fast Charger, other)
 - Model and Make of Requested EV Chargers, if available
 - Number of EV Chargers being procured for the Project
 - Total Project Cost and TFCA Funding Request
 - Information to assess Annual Usage (kWh):
 - Where will the chargers be installed? Is it a public or a private lot?
 - What are the hours of operation of the lot where the chargers will be installed? How many days of the year will the lot be open?
 - Please provide a map with nearby key destinations that demonstrates demand and potential usage for the EV Chargers

Category #7: Smart Growth / Traffic Calming

- State whether or not project is included in the Solano Countywide Active Transportation Plan.
- Identify plans the project is listed under (i.e. redevelopment plan, traffic calming plan, bicycle plan, pedestrian plan, Safe Routes, to School Plan, PDA plan, or general plan)
- Demonstrate what elements or components the project includes to qualify it as a 'Smart Growth' project.
- Indicate estimated number of pedestrian users that the project will serve at any given time (include assumptions)
- Indicate how pedestrian project will provide access to transit, schools, shopping, or employment
- Indicate estimated number of auto trips, number of days/year of the reduced auto trips. Indicate the auto trip lengths removed as a result of this project. Clearly define your assumptions