# Low Carbon Transit Operations Program (LCTOP)

## PROJECT DESCRIPTION AND ALLOCATION REQUEST (SUMMARY)

**Project Information:**

| | |
|---|---|
| Lead Agency: | City of Clovis |
| Project Name: | Bus Stop Amenities |
| Project Type: *See Attachment A* | B3: Upgrade transit stops/stations to support active transportation and encourages ridership |
| Description of Project (Short): | Add street furniture, lighting and concrete necessary to facilitate path of travel to other modes at approximately 8 bus stops. At least half will be located in the DAC. |
| Project Location: | City of Clovis |
| Project Start Date (anticpated): | 1-Sep-16 |
| Project End Date (anticpated): | 30-Apr-16 |

**Funding Information:**

| | |
|---|---|
| Funding Year: | 15-16 |
| Requested Amount of PUC 99313: | $66,482 |
| Requested Amount of PUC 99314: | $10,157 |
| Total LCTOP Funding: | $76,639 |
| Total Project Cost: | $76,639 |

**Project Benefits:**

**Greenhouse Gas Benefits (off of worksheet)**

| | |
|---|---|
| Estimated GHG Reduction: | 0.89 |
| Project Life: | 10 years |
| Estimated Total GHG Reduction: | 8.9 |

**Disadvantaged Communities (DAC) Benefits:**

| | |
|---|---|
| Does your service area have a DAC? | Yes |
| Does the Project Benefit a DAC? | Yes |
| Identify the DAC Census Tracts? | 6019005602, 6019005606, 6019005607, 6019005608, 6019003102, 6019003103 |
| Identify Specific DAC Benefit Criteria? *See Attachment B* | TP 1H: Project improves transit stations or stops in a disadvantaged community to increase safety and comfort. |
| Qualitative Description of DAC Benefit? | Providing bus stop amenities to the DAC offers residents living in the DAC with a safe location to catch the bus to shopping, school, Fresno State University, medical centers, and connects with Fresno service for additional regional resources. |
| Describe the DAC Need Project Addresses? | Having safe, accessible bus stops allows people in the DAC the opportunity to travel safely and freely while reducing concern about waiting on the corner without a bench or shelter. |
| Total GGRF $ Allocated to DAC | $38,500 |

**Co-benefit**

| | |
|---|---|
| Critical Air Pollution Reduction: | |
| VMT Reduction: | |
| Ridership Increase | |
| Fuel Ues Reduction: | |
| Energy Use Reduction: | |

# Low Carbon Transit Operations Program (LCTOP)

## PROJECT DESCRIPTION AND ALLOCATION REQUEST (ALLOCATION)

| | |
|---|---|
| | **Regional Entity:** Council of Fresno County Governments |
| **Project Lead:** City of Clovis | **County:** Fresno |
| **Project Title:** Bus Stop Amenities | |

**Project Lead:**
I certify the scope, cost, schedule, and benefits as identified in the attached Allocation Request (Request) and attachments are true and accurate and demonstrate a fully funded operable project. I understand the Request is subject to any additional restrictions, limitations or conditions that may be enacted by the State Legislature, including the State's budgetary process and/or auction receipts. In the event the project cannot be completed as originally scoped, scheduled and estimated, or the project is terminated prior to completion, project lead shall, at its own expense, ensure that the project is in a safe and operable condition for the public. I understand this project will be monitored by the California Department of Transportation - Division of Rail and Mass Transportation.

**Name:** Robert Ford

**Signature:**

**Title:** General Services Director

**Agency:** City of Clovis

**Date:** 29-Jan-16 **Amount:** $76,639

**Contributing Sponsor(s):**
*If this project includes funding from more than one project sponsor, the project lead above becomes the "recipient agency" and the additional contributing project sponsor(s) must also sign and state the amount and type of LCTOP funds (PUC Sections 99313 and 99314) contribution. Sign below or **attach a separate officially signed letter providing that information. If there is more than one contributing sponsor, please submit additional page, or a letter from the additional contributors.**

**Name:** Tony Boren

**Signature:**

**Title:** Executive Director

**Agency:** Council of Fresno County Governments

**Date:** 28-Jan-16 **Amount:** $76,639

# Low Carbon Transit Operations Program (LCTOP)

## PROJECT DESCRIPTION AND ALLOCATION REQUEST (FUNDING)

| *LCTOP Allocation* | 15/16 | 16/17 | 17/18 |
|---|---|---|---|
| **Request Amount per PUC 99313:** | $66,482 | $0 | $0 |
| **Request Amount per PUC 99314:** | $10,157 | $0 | $0 |
| **Total Project Allocation Request:** | $76,639 | $0 | $0 |

**Project Title:** Bus Stop Upgrades

**Project Location/Address:** Various locations in Clovis

## Table 1: Project Lead Information

Agency Name: City of Clovis
Contact Person: Shonna Halterman
Contact Phone #: 559-324-2767
Email Address: shonnah@cityofclovis.com
Address: 155 N. Sunnyside Ave
Clovis, CA 93611

**Legislative District Numbers**

Assembly: 29th
Senate: 14th
Congressional: 19th

| Amount: | PUC Funds Type: |
|---|---|
| $ 10,157 | 8879.55(a)(3) |
| $ | |

## Table 2: Contributing Sponsor Information

Name: Council of Fresno County Government
Contact: Tony Boren, Executive Director
Contact Phone #: 559-233-4841
Email Address: tboren@fresnocog.org
Address: 2035 Tulare Street, Suite 201
Fresno, CA 93721

| Amount : | PUC Fund Type: |
|---|---|
| $ 66,482 | *879.55(a)(2)* |
| $ | |

***Other Contributing Sponsors: (Attach sheet with contact information)***

| | Amount: | PUC Fund Type: |
|---|---|---|
| Name: | $ | |
| Name: | $ | |
| Name: | $ | |

**TOTAL $76,639**

***(*Contributing project sponsors provide signed letters of verification as to amount and eligibility or sign cover page)***

# Low Carbon Transit Operations Program (LCTOP)

## PROJECT DESCRIPTION AND ALLOCATION REQUEST (PROJECT)

## Table 3: Type of Project

**See Attachment A for category of project** (example: Category 1A Implement new or expanded transit service (for new routes or expansion of existing routes).

| Operations Projects | | | | Capital Projects | | | |
|---|---|---|---|---|---|---|---|
| | A1 | | Ai | | B1 | | Bi |
| | A2 | | Aii | | B2 | | Bii |
| | A3 | | Aiii | X | B3 | | Bii |
| | A4 | | Aiv | | B4 | | |
| | A5 | | | | | | |

## Table 4: Project Summary

**a) Project Description** - Describe the project in your own words, using comprehensive overall project description regarding improvements to be made, increased level of service and performance goals.

The project includes the installation of street furniture and lighting at bus stops. Depending upon the space available at each location, but stops will receive benches, shelters, solar lighting, and/or trash cans. Concrete work is necessary to connect with sidewalks and maintain American's with Disabilities Act compliance. At least half of the bus stops to receive upgrades will be within the designated disadvantaged area.

**b) Project Location** - Describe the location of the project. Also provide an 8 1/2" X 11" project site map that shows the transit service area and project location. Use link to CalEPA website for information, http://www.calepa.ca.gov/EnvJustice/GHGInvest/default.htm.

At least half of the bus stops to receive upgrades will be within the designated disadvantaged area and on routes 10 and 50.

**c) Project Life - For capital projects, state the Useful Life of the Project. For operations project state the number of months service will operate.**

Capital: Bus furniture is expected to last 10 years. Solar lighting at least 5 years.

Operations: N/A

# Low Carbon Transit Operations Program (LCTOP)

## PROJECT DESCRIPTION AND ALLOCATION REQUEST (BENEFITS/OUTCOMES)

## Table 5: Description of Major Benefits/Outcomes

**a) Greenhouse Gas Reduction** - Describe how this project will reduce greenhouse gases and any assumptions or data that support this description. For example, "The expanded transit service will reduce VMT and greenhouse gas emissions by replacing auto trips with transit trips. Initial estimates indicate that the expansion could add 50 commuter bus riders per day to replace an average auto trip of 10 miles each way." If available, please provide the expected amount of VMT reductions and greenhouse gas reductions.
With safer, more user-friendly bus stops, citzens are more willing to utilize public transit for their trips. Well lit, dedicated bus stops with funiture not only makes passengers feel safer but promotes the public transit system as a whole. Reducing single vehicle trips reduces greenhouse gas emissions. Since all fixed-route buses have bike racks, this also helps increase catchment for transit riders.

**b) Increased Mode Share** - Describe how this project will directly increase mode share.
Citizens are more likely to utilize public transit services when bus stops provide clean, safe and comfortable amenities. By adding street furniture such as benches, shelters, lighting and trash cans, people are more likely to make trips using transit.

**c) Disadvantaged Communities (DAC) Project Criteria**
See Attachment B for DAC Criteria to Evaluate Projects (example: Category 1B Project provides transit incentives to residents with a physical address in a disadvatage community (e.g., vouchers, reduced fares, transit passes).

**Low Carbon Tranportation Projects**

| | | | |
|---|---|---|---|
| | 1A | | 2A |
| | 1B | | 2B |
| | 1C | | 2C |
| | 1D | | |

**Transit Projects**

| | | | | | |
|---|---|---|---|---|---|
| | 1A | | 1G | | 2E |
| | 1B | X | 1H | | 2F |
| | 1C | | 2A | X | 2G |
| | 1D | | 2B | | 2H |
| | 1E | | 2C | | 2I |
| | 1F | | 2D | | |

**d) Disadvantaged Communities (DAC) (if applicable*)** - Describe how this project will directly benefit the DAC(s) within your service area in your own words. **For agencies whose service area includes disadvantaged communities, at least 50 percent of the total moneys received shall be expended on projects that will benefit disadvantaged communities.**
At least half of the project will be completed in the DAC. This will positively impact people domiciled in the DAC by providing safer bus stops.

# Low Carbon Transit Operations Program (LCTOP)

## PROJECT DESCRIPTION AND ALLOCATION REQUEST (BENEFITS/OUTCOMES)

## Table 5: Description of Major Benefits/Outcomes

**e) Co-Benefits -** Check all additional Benefits/Outcomes.

X Improved Safety
X Improved Public Heath
___ Reduced Operating/Maintenance Cost
___ Increase System Reliability
___ Other Benefits (describe below)

___ Coordination with Educational Institutions
___ College/University ___ Grades K-12
X Promotes Active Transportation (walking, biking)
___ Promotes integration with other modes of transportation

**f) Co-Benefits -** Describe benefits indicated above in d) and any other benefits not listed.
Waiting at a bus stop can be daunting; especially for the most vulnerable segments of the population such as women, children, senior citizens and people with a disability. Having bus stop amenities such as benches, shelters, lighting, and a clear path of travel to and from the stop improves safety and public health by providing a dedicated, safe place for the passengers to wait away from traffic. During evening hours, an illuminated bus stop is safer than waiting in the dark, has a positive impact on passenger comfort and reduces the use of the shelter by non-transit users. Having an all weather location and good place to board and alight from the bus improves public health. Biking and walking are promoted by providing a safe location in the transit environment where passengers can wait. Since all our buses have bike racks, passengers can ride their bike to the bus stop, wait in comfort, then take their bike on the bus with them on the trip.

## Table 6: Project Schedule

| Capital Projects | |
|---|---|
| Begin Construction Phase **(Contract Award)** | 9/1/2016 |
| End Construction Phase **(Contract Acceptance)** | 12/1/2016 |
| Begin Vehicle/Equipment Order **(Contract Award)** | 9/30/2016 |
| End Vehicle/Equipment Order **(Contract Acceptance)** | 11/1/2016 |
| Begin Closeout Phase | 3/1/2017 |
| End Closeout Phase | 4/30/2017 |

| Operations Projects | |
|---|---|
| Begin expanded/enhanced transit services | |
| End expanded/enhanced transit services | |
| Begin Closeout Phase | |
| End Closeout Phase | |

**START DATE FOR LCTOP FUNDED PHASES MAY NOT PROCEED PROJECT APPROVAL LETTER.**

***Pre-construction costs (e.g design, environmental and right-a-way) are not eligible to be funded by LCTOP funds,they must be funded by other soures.***

# Low Carbon Transit Operations Program (LCTOP)

## PROJECT DESCRIPTION AND ALLOCATION REQUEST (OPERATIONS DESCRIPTION)

## Table 7: Operations Project Description

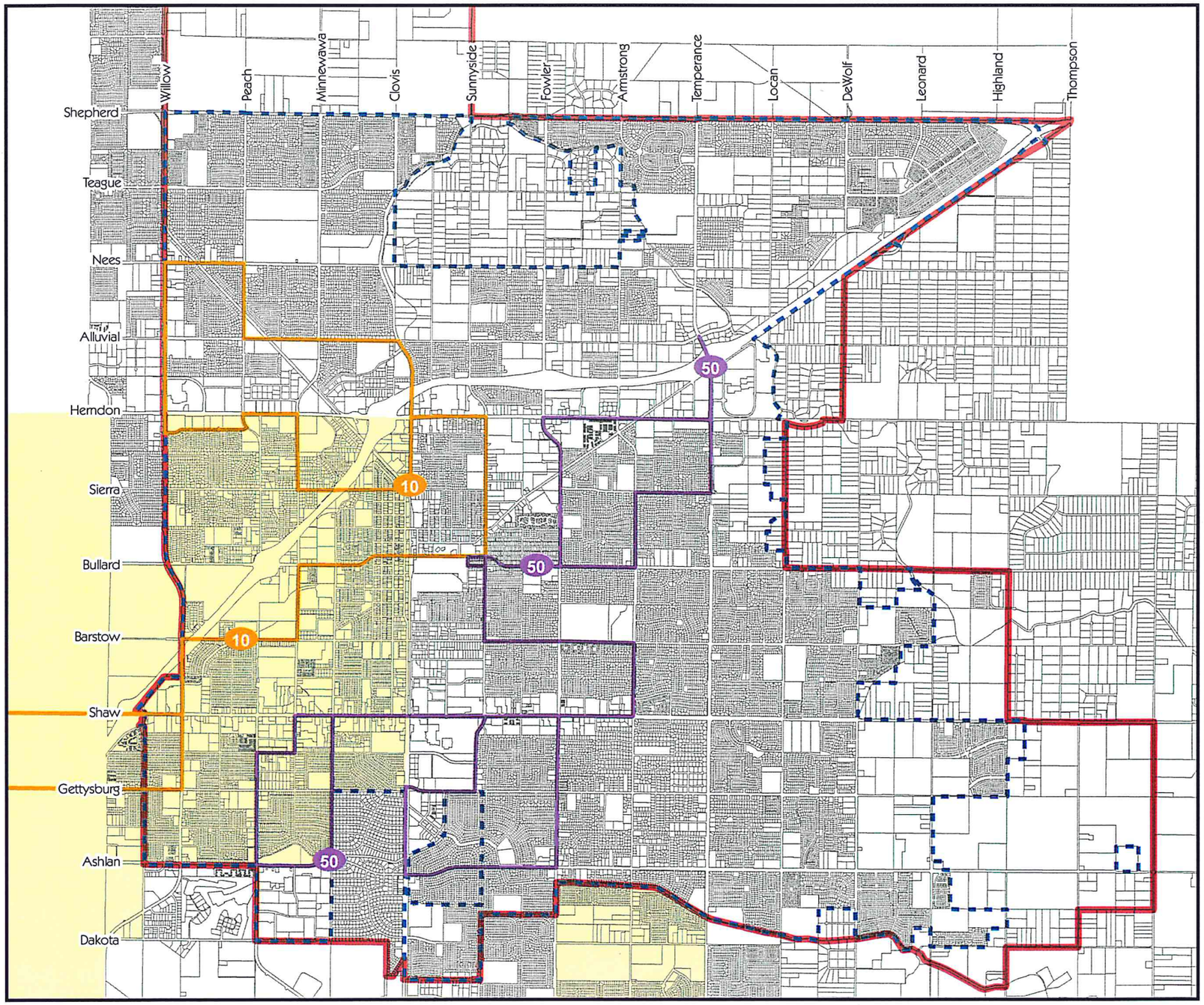
a) Describe the operating plan for this system.
Capital project only. Funds not used for operations.

b) Describe the fare structure for this system.
Fixed route fare structure is currently $1.25 for general public; persons with a disability and seniors age 65+ are free; children are free with fare paying adult.

c) Describe the assumptions and process that were used to develop the ridership projections shown in the request.

In calendar year 2015, there were 159,784 passengers on fixed-route Stageline service. There are 110 bus stops on our regular routes. On average, each bus stop was used by 1,453 passengers. We plan to complete improvements to at least eight (8) bus stop. Calculating 1,453 passengers at each of eight bus stops = 11,626 passengers impacted by the projects. Assuming a 5% increase in passengers at these improved bus stop locations, an additional 581 passengers are created.

d) Describe the assumptions and process for how the operating cost projections were developed.
N/A Capital project only.




# LCTOP
# Grant 15-16

City of Clovis

N
W E
S

Route 10
Route 50
City Limits
Sphere of Influence
Disadvantaged Communities

# Low Carbon Transit Operations Program

## TOTAL PROJECT COST AND FUNDING PLAN

The following Funding Plan has been reviewed and approved by the undersigned. It includes a complete list of funds for this project and is the total cost of the project, including LCTOP funds.

| | | |
|---|---|---|
| Shonna Halterman | 559-324-2767 | 1/29/2016 |

| | |
|---|---|
| Approval Authority: Sign and date Shonna Halterman 2/1/16 | Shonna Halterman 559-324-2767 |

Shaded fields are automatically calculated. Please do not fill these fields.

| Proposed Total Project Cost | | | | | | | | Project |
|---|---|---|---|---|---|---|---|---|
| Component | Prior | FY ____ | FY ____ | FY ____ | FY ____ | FY ____ | FY ____ | Total |
| PA&ED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PS&E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| R/W | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CON | 0 | 26,639 | 0 | 0 | 0 | 0 | 0 | 26,639 |
| Veh/Equip Purchase | 0 | 50,000 | 0 | 0 | 0 | 0 | 0 | 50,000 |
| Operations/Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 0 | 76,639 | 0 | 0 | 0 | 0 | 0 | 76,639 |

| Low Carbon Transit Operations Program (LCTOP) Bus Stop Upgrades FY 15-16 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Component | Prior | FY 15-16 | FY ____ | FY ____ | FY ____ | FY ____ | FY ____ | Total |
| PA&ED | | | | | | | | 0 |
| PS&E | | | | | | | | 0 |
| R/W | | | | | | | | 0 |
| CON | | 26,639 | | | | | | 26,639 |
| Veh/Equip Purchase | | 50,000 | | | | | | 50,000 |
| Operations/Other | | | | | | | | 0 |
| TOTAL | 0 | 76,639 | 0 | 0 | 0 | 0 | 0 | 76,639 |

| Funding Source: | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Component | Prior | FY ____ | FY ____ | FY ____ | FY ____ | FY ____ | FY ____ | Total |
| PA&ED | | | | | | | | 0 |
| PS&E | | | | | | | | 0 |
| R/W | | | | | | | | 0 |
| CON | | | | | | | | 0 |
| Veh/Equip Purchase | | | | | | | | 0 |
| Operations/Other | | | | | | | | 0 |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Funding Source: | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Component | Prior | FY ____ | FY ____ | FY ____ | FY ____ | FY ____ | FY ____ | Total |
| PA&ED | | | | | | | | 0 |
| PS&E | | | | | | | | 0 |
| R/W | | | | | | | | 0 |
| CON | | | | | | | | 0 |
| Veh/Equip Purchase | | | | | | | | 0 |
| Operations/Other | | | | | | | | 0 |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Funding Source: | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Component | Prior | FY ____ | FY ____ | FY ____ | FY ____ | FY ____ | FY ____ | Total |
| PA&ED | | | | | | | | 0 |
| PS&E | | | | | | | | 0 |
| R/W | | | | | | | | 0 |
| CON | | | | | | | | 0 |
| Veh/Equip Purchase | | | | | | | | 0 |
| Operations/Other | | | | | | | | 0 |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

California Environmental Protection Agency
Air Resources Board

# California Air Resources Board (ARB)
# Greenhouse Gas Emission Reduction Calculator for the California Department of Transportation (Caltrans) Low Carbon Transit Operations Program (LCTOP) Greenhouse Gas Reduction Fund Fiscal Year 2015-16

The California Air Resources Board (ARB) is responsible for providing the quantification methodology to estimate greenhouse gas (GHG) emission reductions from projects receiving monies from the Greenhouse Gas Reduction Fund (GGRF).

This GHG emission reduction calculator accompanies the quantification methodology for the fiscal year (FY) 2015-16 GGRF Low Carbon Transit and Operations Program (LCTOP) available at: http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/finallctopqm.pdf

Applicants must use this calculator to estimate the GHG reductions associated with the LCTOP projects. **Refer to the quantification methodology document for background, step by step detailed instructions and examples.** To use this calculator, follow these steps:

**Step 1** Identify the LCTOP proposed project type(s): The applicant must select at least one eligible project type from Tables 1 or 2 and may select additional project types from Tables 3 or 4.

**Step 2** Determine the inputs needed: The applicant will use Tables 5 and 6 to determine the required project details needed for input into this calculator tool for the applicable project type selected in Step 1.

**Step 3** Estimate GHG emission reductions: The applicant will enter the project details identified in Step 2 into this calculator tool to calculate the GHG emission reductions of the proposed project.

**Read Me Tab (this page):**
Enter the Project Name, Project ID and the contact information for person who can answer project specific questions from staff reviewers on the quantification calculations. The Project ID is assigned by Caltrans. This file will be submitted with other documentation requirements. Please use the following file naming convention: "[Project ID]_[Project Name]" not to exceed 20 characters. For example, if the application ID is "1-1C_001," the project name is " Transit BRT," and the file is the input file, the file name may be " 1-1C_001Transit BRT." Project names may be abbreviated.

| | |
|---|---|
| Project Name: | Bus Stop Amenities |
| Project ID: | |
| Contact Name: | Shonna Halterman |
| Contact Phone Number: | 559-324-2767 |
| Contact Email: | shonnah@cityofclovis.com |
| Date Completed: | 2/1/2016 |

**Inputs Tab:**
Headers in red indicate input needed by the project applicant. For each row, applicants must work from left to right and enter all relevant data. Some cells may not be applicable to the project. These cells will turn black and be locked based on inputs. Applicants should use as many rows as necessary to characterize all relevant features of the proposed project. Definitions are provided in the definitions tab, including how to determine Year 1, Year F, and adjustment factors. Inputs must be substantiated in the documentation provided to ARB; see Section C. Documentation of the quantification methodology.

Submit documentation: Save file for submittal. See Section C. Documentation of the quantification methodology for additional documentation requirements.

For more information on ARB's efforts to support implementation of GGRF investments, see: www.arb.ca.gov/auctionproceeds
Questions on this document should be forwarded to GGRFProgram@arb.ca.gov
Questions on the LCTOP program should be forwarded to LCTOPcomments@dot.ca.gov

California Air Resources Board (ARB)
Greenhouse Gas Emission Reduction Calculator for the
California Department of Transportation (Caltrans)
Low Carbon Transit Operations Program (LCTOP)
Greenhouse Gas Reduction Fund
Fiscal Year 2015-16

California Environmental Protection Agency
Air Resources Board

| | |
|---|---|
| Project Name: | Bus Stop Amenities |
| Project ID: | 0 |

Inputs into columns highlighted in YELLOW with RED **headers** are required fields dependent on project type (see quantification methodology)
Must be filled out from left to right

| Project Details | | | | | Displaced Autos Details | | | | | | | New/Expanded Vehicle Details | | | | Old Service Vehicle or Displaced Fuel Details | | | | Net GHG Benefits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eligible Project Type | Transit Service Type | County | Year I (YrI) | Year F (YrF) | YrI Annual Ridership | YrF Annual Ridership | Adjustment (A) | Length (L) | Adjustment (AA) | Length (LL) | Annual Average VMT Displaced | Fuel Type | Engine MY | Annual VMT or Units of Fuel | Useful Life | Additional Project Type | Fuel Type | Engine MY | Annual VMT or Units of Fuel | Total GHG Emission Reductions (MTCO2e) |
| Expanded Transit Facilities or Service Enhancements | Bus (local bus) | Fresno | 2016 | 2017 | 581 | 581 | 0.50 | 6.00 | 0.10 | 2.00 | 1,684.90 | | | | | | | | | 0.89 |
| | | | | | | | | | | | - | | | | | | | | | |
| | | | | | | | | | | | - | | | | | | | | | |
| | | | | | | | | | | | - | | | | | | | | | |
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| | | | | | | | | | | | - | | | | | | | | | |
| | | | | | | | | | | | - | | | | | | | | | |
| | | | | | | | | | | | - | | | | | | | | | |

California Environmental Protection Agency
Air Resources Board

# California Air Resources Board (ARB)
# Greenhouse Gas Emission Reduction Calculator for the California Department of Transportation (Caltrans) Low Carbon Transit Operations Program (LCTOP) Greenhouse Gas Reduction Fund
# Fiscal Year 2015-16

| | |
|---|---|
| **Project Name:** | **Bus Stop Amenities** |
| **Project ID:** | **0** |

Inputs in RED must be filled out

| Results | GHG Emissions (MTCO2e) | Description |
|---|---|---|
| **Net GHG Benefits** | 0.89 | Total GHG Emission Reductions (MTCO2e) |
| **LCTOP Funds Requested ($)** | 76,639.00 | Funds requested per State Controller's Office Eligible list for FY 2015-16 |
| **Total LCTOP Funds Requested ($)** | 76,639.00 | Includes all LCTOP allocations the applicant intends to utilize (up to three FY allocations including FY 2015-16) for the proposed project. Use the State Controller's Office Eligible list for FY 2015-16 allocation funding amounts to estimate the subsequent funding allocations. |
| **Total GGRF Funds Requested ($)** | 76,639.00 | Includes the Total LCTOP fund requested and any other GGRF Program monies |
| **Total GHG Emission Reductions /Total GGRF Funds Requested ($)** | 0.0000 | The metric to be reported in the application. |