

Low Carbon Transit Operations Program (LCTOP)

PROJECT DESCRIPTION AND ALLOCATION REQUEST (SUMMARY)

Project Information:

Lead Agency:	Kings County Area Public Transit Agency	
Project Name:	Renewable energy	
Project Type: <i>See Attachment A</i>	Bi: Install renewable energy at transit facilities	
Description of Project (Short):	Install solar panels at our transit maintenance facility and electric charging station to support electric buses	
Project Location:	Kings County	
Project Start Date (anticipated):		6/1/2017
Project End Date (anticipated):		9/30/2017

Funding Information:

Funding Year:	FY 15-16	
Requested Amount of PUC 99313:	\$120,415	
Requested Amount of PUC 99314:	\$0	
Total LCTOP Funding:	\$120,415	
Total Project Cost:		250,000

Project Benefits:

Greenhouse Gas Benefits (off of worksheet)

Estimated GHG Reduction:	0.0038	
Project Life:	10	
Estimated Total GHG Reduction:	0.038	

Disadvantaged Communities (DAC) Benefits:

Does your service area have a DAC?	Yes	
Does the Project Benefit a DAC?	Yes Electric Buses to be used in DAC	
Identify the DAC Census Tracts?	Yes	
Identify Specific DAC Benefit Criteria? <i>See Attachment B</i>	TP 1E: Project creates or improves infrastructure or equipment that reduces air pollution at a station, stop or transit facility in a disadvantaged community.	
Qualitative Description of DAC Benefit?	Agency plans to operate 2 electric bus on local routes. Annual Vehicle mile traveled is 51,793. Installing solar energy asset in lowering fuel cost for electric buses.	
Describe the DAC Need Project Addresses?	Fueling station is located in a DAC area. solar panel will reduce the cost to charge bus, especial in the peak months.	
Total GGRF \$ Allocated to DAC		250000

Co-benefit

Critical Air Pollution Reduction:		1
VMT Reduction:		
Ridership Increase		
Fuel Ues Reduction:		
Energy Use Reduction:		2

Low Carbon Transit Operations Program (LCTOP)

PROJECT DESCRIPTION AND ALLOCATION REQUEST (ALLOCATION)

Regional Entity: Kings County Association of Governme	
Project Lead: Kings County Area Public Transit Agency	County: Kings County
Project Title: Renewable energy	

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: Angie Dow

Signature:

Title: Executive Director

Agency: Kings County Area Public Transit Agency

Date: _____ **Amount:** 120415

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: Terri King

Signature:

Title: Executive Director

Agency: Kings County Association of Governments

Date: _____ **Amount:** 120415

Low Carbon Transit Operations Program (LCTOP)

PROJECT DESCRIPTION AND ALLOCATION REQUEST (FUNDING)

<i>LCTOP Allocation</i>	15/16	16/17	17/18
Request Amount per PUC 99313:	\$120,415	\$0	\$0
Request Amount per PUC 99314:	\$0	\$0	\$0
Total Project Allocation Request:	\$120,415	\$0	\$0
Project Title: <u>Renewable energy</u>			
Project Location/Address: <u>Kings County</u>			

Table 1: Project Lead Information

	Legislative District Numbers
Agency Name: <u>Kings County Area Public Transit Age</u>	Assembly: <u>32</u>
Contact Person: <u>Angie Dow</u>	Senate: <u>14</u>
Contact Phone #: <u>(559) 852-2691</u>	Congressional: <u>21</u>
Email Address: <u>angie.dow@co.kings.ca.us</u>	Amount: _____ PUC Funds Type: _____
Address: <u>610 W 7th Street</u>	\$ _____
<u>Hanford, CA 93230</u>	\$ <u>0</u> <u>99314</u>

Table 2: Contributing Sponsor Information

Name: <u>Kings County Association of Governm</u>	Amount :	PUC Fund Type:
Contact: <u>Terri King</u>	\$ <u>120,415</u>	<u>99313</u>
Contact Phone #: <u>(559) 852-2678</u>	\$ _____	
Email Address: <u>terri.king@co.kings.ca.us</u>		
Address: <u>339 W D Street, Suite B, Lemoore CA</u>		

<i>Other Contributing Sponsors: (Attach sheet with contact information)</i>	Amount:	PUC Fund Type:
Name: _____	\$ _____	
Name: _____	\$ _____	
Name: _____	\$ _____	

TOTAL \$120,415

**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).

<u>Operations Projects</u>		<u>Capital Projects</u>	
<input type="checkbox"/>	A1	<input type="checkbox"/>	Ai
<input type="checkbox"/>	A2	<input type="checkbox"/>	Aii
<input type="checkbox"/>	A3	<input type="checkbox"/>	Aiii
<input type="checkbox"/>	A4	<input type="checkbox"/>	Aiv
<input type="checkbox"/>	A5		
		<input type="checkbox"/>	B1
		<input type="checkbox"/>	B2
		<input type="checkbox"/>	B3
		<input type="checkbox"/>	B4
		<input checked="" type="checkbox"/>	Bi
		<input type="checkbox"/>	Bii
		<input type="checkbox"/>	Bii

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.

Install solar panel and electric charging stations to support charging of electric buses that will be purchased. Solar panels will reduce fueling cost especially in peak months when electric KW cost is high.

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>.

Fueling station is at 610 W Davis Street, Hanford CA. The electric buses the fueling station will support will be in a DAC Routes 6 and 8

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: 10 Years

Operations:

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.

This solar panels and the charging station will support 2 electric buses. The electric buses estimated vehicles miles traveled is 51,793. These buses will replace 2- 2007 CNG buses currently operating.

b) Increased Mode Share - Describe how this project will directly increase mode share.

This project will support electric buses that will operate in highly visible areas.

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 disadvantaged community (e.g., vouchers, reduced fares, transit passes).

Low Carbon Transportation Projects

Transit Projects

<input type="checkbox"/>	1A	<input type="checkbox"/>	2A	<input type="checkbox"/>	1A	<input type="checkbox"/>	1G	<input type="checkbox"/>	2E
<input type="checkbox"/>	1B	<input type="checkbox"/>	2B	<input type="checkbox"/>	1B	<input type="checkbox"/>	1H	<input type="checkbox"/>	2F
X	1C	<input type="checkbox"/>	2C	<input type="checkbox"/>	1C	<input type="checkbox"/>	2A	<input type="checkbox"/>	2G

Effective 11/15

	1D
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	1D
	1E
	1F

	2B
	2C
	2D

	2H
	2I

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.

The project is in a DAC and it will support 2 electric buses that will operating a a DAC

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.

<input type="checkbox"/> Improved Safety <input type="checkbox"/> Improved Public Health <input checked="" type="checkbox"/> Reduced Operating/Maintenance Cost <input type="checkbox"/> Increase System Reliability <input type="checkbox"/> Other Benefits (describe below)	<input type="checkbox"/> Coordination with Educational Institutions <input checked="" type="checkbox"/> College/University <input checked="" type="checkbox"/> Grades K-12 <input type="checkbox"/> Promotes Active Transportation (walking, biking) <input type="checkbox"/> Promotes integration with other modes of transportation
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f) Co-Benefits - Describe benefits indicated above in d) and any other benefits not listed.

Table 6: Project Schedule

Capital Projects	
Begin Construction Phase (Contract Award)	1-Mar-17
End Construction Phase (Contract Acceptance)	10/1/2017
Begin Vehicle/Equipment Order (Contract Award)	

Effective 11/15

End Vehicle/Equipment Order (Contract Acceptance)	
Begin Closeout Phase	11/1/2017
End Closeout Phase	11/30/2017

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 sources.

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.

This project will support electric buses. Solar panel will be design to support bus electric charging station at our maintenance facility.

b) Describe the fare structure for this system.

In town routes general fare is \$1.00, Out of town routes are \$1.50.

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

this project does not increase ridership. But will increase awareness of clean energy

d) Describe the assumptions and process for how the operating cost projections were developed.
Estimated kWh per bus is 242 per day at a cost of .18 per kWh. Estimated fuel savings is \$25,000 per year.



**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**

**Updated Emission factors on December 18, 2015.

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/finallctopdm.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:	Solar Project
Project ID:	
Contact Name:	Angie Dow
Contact Phone Number:	(559) 852-2691
Contact Email:	angie.dow@co.kings.ca.us
Date Completed:	1/13/2016

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

		Old Service Vehicle or Displaced Fuel Details				Net GHG Benefits	
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)	
51,793	10	Vehicle Improvement	CNG	2007	51,793	952.52	



**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**

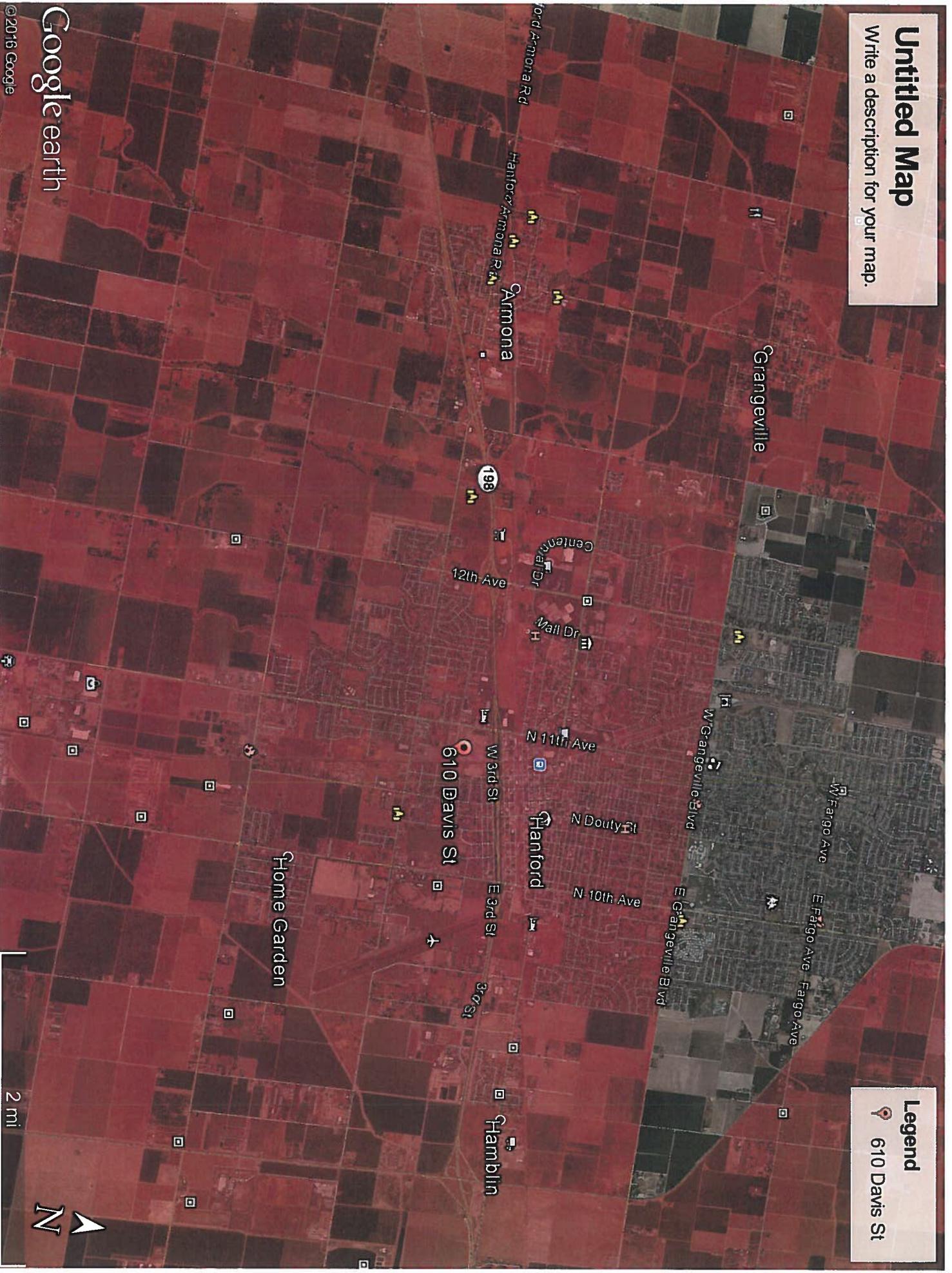
Project Name:	Solar Project
Project ID:	0

Inputs in RED must be filled out

Results	GHG Emissions (MTCO2e)	Description
Net GHG Benefits	952.52	Total GHG Emission Reductions (MTCO2e)
LCTOP Funds Requested (\$)	120,415.00	Funds requested per State Controller's Office Eligible list for FY 2015-16
Total LCTOP Funds Requested (\$)	250,000.00	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 (\$)	250,000.00	Includes the Total LCTOP fund requested and any other GGRF Program monies
Total GHG Emission Reductions /Total GGRF Funds Requested (\$)	0.0038	The metric to be reported in the application.

Untitled Map

Write a description for your map.



Legend
📍 610 Davis St

Google earth

©2016 Google

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**Low Carbon Transit Operations Program (LCTOP)
AUTHORIZED AGENT**

AS THE Vice Chairman
(Chief Executive Officer / Director / President / Secretary)

OF THE Kings County Area Public Transit Agency
(Name of County/City Organization)

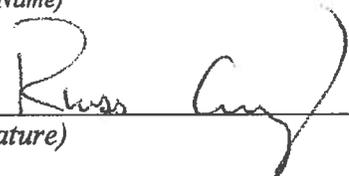
I hereby authorize the following individual(s) to execute for and on behalf of the named Regional Entity/Transit Operator, any actions necessary for the purpose of obtaining Low Carbon Transit Operations Program (LCTOP) funds provided by the California Department of Transportation, Division of Rail and Mass Transportation. I understand that if there is a change in the authorized agent, the project sponsor must submit a new form. This form is required even when the authorized agent is the executive authority himself. I understand the Board must provide a resolution approving the Authorized Agent. The Board Resolution appointing the Authorized Agent is attached.

Angie Dow, Executive Director OR
(Name and Title of Authorized Agent)

(Name and Title of Authorized Agent) OR

(Name and Title of Authorized Agent)

Russ Curry Vice Chairman
(Print Name) (Title)


(Signature)

Approved this 9th day of December, 2015

Attachment: Board Resolution approving Authorized Agent

RESOLUTION #16-01

**AUTHORIZATION FOR THE EXECUTION OF THE
CERTIFICATIONS AND ASSURANCES AND AUTHORIZED AGENT FORMS
FOR THE LOW CARBON TRANSIT OPERATIONS PROGRAM (LCTOP)**

WHEREAS, the Kings County Area Public Transit Agency is an eligible project sponsor and may receive state funding from the Low Carbon Transit Operations Program (LCTOP) for transit projects; and

WHEREAS, the statutes related to state-funded transit projects require a local or regional implementing agency to abide by various regulations; and

WHEREAS, Senate Bill 862 (2014) named the Department of Transportation (Department) as the administrative agency for the LCTOP; and

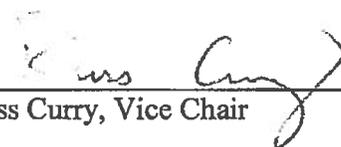
WHEREAS, the Department has developed guidelines for the purpose of administering and distributing LCTOP funds to eligible project sponsors (local agencies); and

WHEREAS, the Kings County Area Public Transit Agency wishes to delegate authorization to execute these documents and any amendments thereto to Angie Dow, Executive Director.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Kings County Area Public Transit Agency that the fund recipient agrees to comply with all conditions and requirements set forth in the Certification and Assurances and the Authorized Agent documents and applicable statutes, regulations and guidelines for all LCTOP funded transit projects.

NOW THEREFORE, BE IT FURTHER RESOLVED that Angie Dow, Executive Director be authorized to execute all required documents of the LCTOP program and any Amendments thereto with the California Department of Transportation.

AGENCY BOARD DESIGNEE:

BY: 

Russ Curry, Vice Chair

RESOLUTION #16-03

**AUTHORIZATION FOR THE EXECUTION OF THE
THE LOW CARBON TRANSIT OPERATIONS PROGRAM (LCTOP) PROJECT:
RENEWABLE ENERGY PROJECT \$120,415**

WHEREAS, the Kings County Area Public Transit Agency is an eligible project sponsor and may receive state funding from the Low Carbon Transit Operations Program (LCTOP) now or sometime in the future for transit projects; and

WHEREAS, the statutes related to state-funded transit projects require a local or regional implementing agency to abide by various regulations; and

WHEREAS, Senate Bill 862 (2014) named the Department of Transportation (Department) as the administrative agency for the LCTOP; and

WHEREAS, the Department has developed guidelines for the purpose of administering and distributing LCTOP funds to eligible project sponsors (local agencies); and

WHEREAS, the Kings County Area Public Transit Agency wishes to implement the LCTOP project(s) listed above,

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Kings County Area Public Transit Agency that the fund recipient agrees to comply with all conditions and requirements set forth in the applicable statutes, regulations and guidelines for all LCTOP funded transit projects.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Kings County Area Public Transit Agency that it hereby authorizes the submittal of the following project nomination(s) and allocation request(s) to the Department in FY 2015-16 LCTOP funds:

Project Name: Renewable Energy Project

Amount of LCTOP funds requested: \$120,415

Short description of project: Install renewable energy solar panels and electric charging station at the maintenance facility.

Contributing Sponsors: Kings County Association of Governments.

AGENCY BOARD DESIGNEE:

BY: 
Joe Neves, Chairman