

Low Carbon Transit Operations Program (LCTOP)

PROJECT DESCRIPTION AND ALLOCATION REQUEST (SUMMARY)

Project Information:

Lead Agency:	KERN COG
Project Name:	PURCHASE OF CNG BUS
Project Type: <i>See Attachment A</i>	
Description of Project (Short):	REPLACE CURRENT 28 PASSENGER DIESEL BUS WITH A 28 PASSENGER CNG BUS
Project Location:	CITY OF ARVIN
Project Start Date (anticipated):	2015-2016
Project End Date (anticipated):	2017-2018

Funding Information:

Funding Year:	2015-2016
Requested Amount of PUC 99313:	\$19,966
Requested Amount of PUC 99314:	\$848
Total LCTOP Funding:	\$20,814
Total Project Cost:	\$124,884

Project Benefits:

Greenhouse Gas Benefits (off of worksheet)

Estimated GHG Reduction:	182.78
Project Life:	3
Estimated Total GHG Reduction:	548.34

Disadvantaged Communities (DAC) Benefits:

Does your service area have a DAC?	YES
Does the Project Benefit a DAC?	YES
Identify the DAC Census Tracts?	06029006304, 06029006303, 06029006301
Identify Specific DAC Benefit Criteria? <i>See Attachment B</i>	
Qualitative Description of DAC Benefit?	Provides increased access to the citizens of Arvin, a disadvantaged community, to clean transportation.
Describe the DAC Need Project Addresses?	Replaces an older diesel bus with a CNG Bus, which improves the air quality.
Total GGRF \$ Allocated to DAC	

Co-benefit

Critical Air Pollution Reduction:	
VMT Reduction:	2100
Ridership Increase	5000
Fuel Use Reduction:	2100
Energy Use Reduction:	0

<i>LCTOP Allocation</i>	15/16	16/17	17/18
Request Amount per PUC 99313:	\$19,966	\$0	\$0
Request Amount per PUC 99314:	\$848	\$0	\$0
Total Project Allocation Request:	\$20,814	\$0	\$0
Project Title:	<u>PURCHASE OF CNG BUS</u>		
Project Location/Address:	<u>200 CAMPUS DR, ARVIN CA 93203</u>		

Table 1: Project Lead Information

		Legislative District Numbers	
Agency Name:	<u>CITY OF ARVIN</u>	Assembly:	<u>30</u>
Contact Person:	<u>ROBERT RUIZ</u>	Senate:	<u>16</u>
Contact Phone #:	<u>661-854-3134</u>	Congressional:	<u>22</u>
Email Address:	<u>RRUIZ@ARVIN.ORG</u>	Amount:	<u>PUC Funds Type:</u>
Address:	<u>200 CAMPUS DR.</u>	\$	<u></u>
	<u>ARVIN, CA 93203</u>	\$	<u></u>

Table 2: Contributing Sponsor Information

Name:	<u>KERN COUNCIL OF GOVERNMENT</u>	Amount :	<u>PUC Fund Type:</u>
Contact:	<u>BOB SNODDY</u>	\$ <u>19,966</u>	<u>99313</u>
Contact Phone #:	<u>661-861-2191</u>	\$ <u>848</u>	<u>99314</u>
Email Address:	<u>SNODDY@KERNCOG.ORG</u>		
Address:	<u>1401 19TH STREET, SUITE 300</u>		
	<u>BAKERSFIELD, CA 93301</u>		
<i>Other Contributing Sponsors: (Attach sheet with contact information)</i>		Amount:	PUC Fund Type:
Name:	<u></u>	\$	<u></u>
Name:	<u></u>	\$	<u></u>
Name:	<u></u>	\$	<u></u>
TOTAL		\$20,814	

(*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		
<input type="checkbox"/>	A1	<input checked="" type="checkbox"/>	Ai	<input type="checkbox"/>	Bi
<input type="checkbox"/>	A2	<input type="checkbox"/>	Aii	<input type="checkbox"/>	Bii
<input type="checkbox"/>	A3	<input type="checkbox"/>	Aiii	<input type="checkbox"/>	Bii
<input type="checkbox"/>	A4	<input type="checkbox"/>	Aiv	<input type="checkbox"/>	
<input type="checkbox"/>	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 city will be replacing an aging 28 passenger diesel bus with a low emissions CNG bus for routes within the City on also on long distance runs.

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>.

The City bus will be running at large in bus routes around the City of Arvin and on occasion take passengers to remote locations such as Bakersfield College and Valley Plaza Mall which are located in the City of Bakersfield.

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: 7 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.

The City will be replacing a 2009 Diesel fueled bus with a CNG fuel bus, which will reduce the emissions substantially.

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

We will use this bus in place of another diesel bus on occasion to take advantage of the cleaner burning fuel.

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 disadvantage 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 checked="" 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
<input type="checkbox"/>	1C	<input type="checkbox"/>	2C	<input type="checkbox"/>	1C	<input type="checkbox"/>	2A	<input type="checkbox"/>	2G
<input checked="" type="checkbox"/>	1D			<input type="checkbox"/>	1D	<input type="checkbox"/>	2B	<input type="checkbox"/>	2H
				<input type="checkbox"/>	1E	<input type="checkbox"/>	2C	<input type="checkbox"/>	2I
				<input type="checkbox"/>	1F	<input type="checkbox"/>	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.

The project will include the use of cleaner fuel burning vehicles by the citizens of this disadvantaged community.

Low Carbon Transit Operations Program (LCTOP)

PROJECT DESCRIPTION AND ALLOCATION REQUEST (BENEFITS/OUTCOMES)

Table 5: Description of Major Benefits/Outcomes

- | | |
|--|---|
| <input type="checkbox"/> Improved Safety | <input checked="" type="checkbox"/> Coordination with Educational Institutions |
| <input checked="" type="checkbox"/> Improved Public Health | <input checked="" type="checkbox"/> College/University <input type="checkbox"/> Grades K-12 |
| <input checked="" type="checkbox"/> Reduced Operating/Maintenance Cost | <input checked="" type="checkbox"/> Promotes Active Transportation (walking, biking) |
| <input type="checkbox"/> Increase System Reliability | <input checked="" type="checkbox"/> Promotes integration with other modes of transportation |
| <input type="checkbox"/> Other Benefits (describe below) | |

f) Co-Benefits - Describe benefits indicated above in d) and any other benefits not listed.
Through buying fuel that reduces the emissions to the air, we will aid the public health. Cost will also be reduced through lower price per gallon. The bus will run cleaner than diesel and so, easier to repair due to decreased fumes and accumulated dirt from the diesel fuel. The bus will be wheel chair capable and include a bike rack. This bus will be used to support Citizens that need transportation to the Community college in Bakersfield.

Table 6: Project Schedule

Capital Projects	
Begin Construction Phase (Contract Award)	
End Construction Phase (Contract Acceptance)	
Begin Vehicle/Equipment Order (Contract Award)	5/1/2016
End Vehicle/Equipment Order (Contract Acceptance)	5/1/2019
Begin Closeout Phase	5/1/2019
End Closeout Phase	6/1/2019

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.

The City of Arvin installed a CNG fueling station two years ago, but we do not have any vehicles that operate using CNG fuel. This bus would be the first in our fleet. It will replace a 29 passenger bus and will take over its routes. Those routes will be expanded when possible to be able to use the fuel saving capacity of this bus, which will then reduce negative emissions.

b) Describe the fare structure for this system.
Please see the attached fares schedule and City map.

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

Included in this program for the CNG bus is a program that we started this year. It is "Free Fare Day", which we will use on a quarterly basis in order to decrease the use of cars and increase our ridership.

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



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.

Person preparing this form (please type or print) Robert D. Ruiz	Phone: 661-854-3134	Date: 2/2/2016
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Approval Authority: Sign and date 2/2/2016	Typed name and phone number: Alfonso Noyola 661-854-3134
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Shaded fields are automatically calculated. Please do not fill these fields.

Proposed Total Project Cost								Project
Component	Prior	FY 2016	FY 2017	FY 2018	FY 2019	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	0	0	0	0	0	0	0
Veh/Equip Purchase	0	20,814	20,814	83,256	0	0	0	124,884
Operations/Other	0	0	0	0	0	0	0	0
TOTAL	0	20,814	20,814	83,256	0	0	0	124,884

Low Carbon Transit Operations Program (LCTOP)								
Component	Prior	FY 2016	FY 2017	FY 2018	FY 2019	FY	FY	Total
PA&ED								0
PS&E								0
R/W								0
CON								0
Veh/Equip Purchase		20,814	20,814	20,814				62,442
Operations/Other								0
TOTAL	0	20,814	20,814	20,814	0	0	0	62,442

Funding Source: General Fund or Other Grant Source								
Component	Prior	FY 2016	FY 2017	FY 2018	FY 2019	FY	FY	Total
PA&ED								0
PS&E								0
R/W								0
CON								0
Veh/Equip Purchase				62,442				62,442
Operations/Other								0
TOTAL	0	0	0	62,442	0	0	0	62,442

Funding Source:								
Component	Prior	FY 2016	FY 2017	FY 2018	FY 2019	FY	FY	Total
PA&ED								0
PS&E								0
R/W								0
CON								0
Veh/Equip Purchase								0
Operations/Other								0
TOTAL	0							

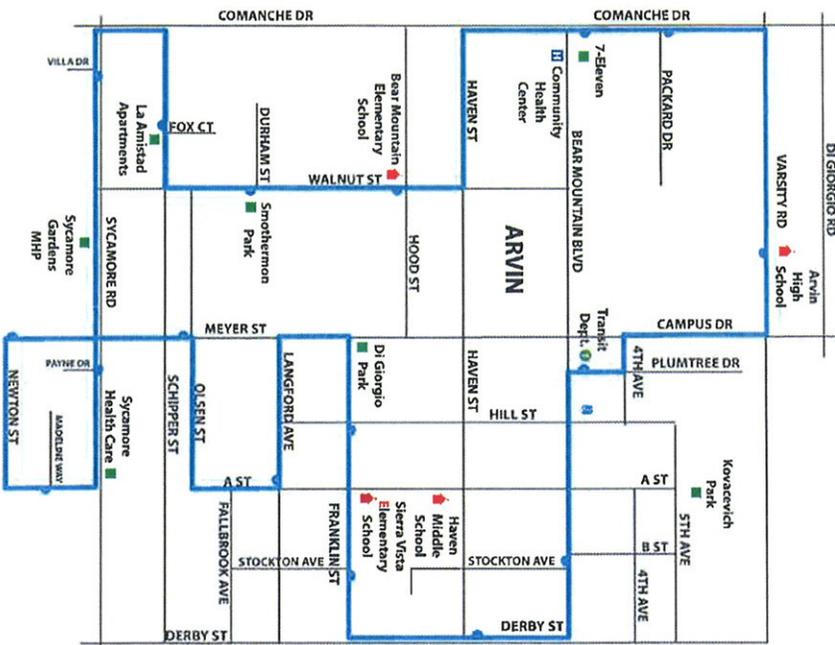
Funding Source:								
Component	Prior	FY 2016	FY 2017	FY 2018	FY 2019	FY	FY	Total
PA&ED								0
PS&E								0
R/W								0
CON								0
Veh/Equip Purchase								0
Operations/Other								0
TOTAL	0							

Arvin Local

Transit Dept.	La Mex	Haven & Derby	Franklin & Stockton	Franklin & S. Hill	Langford & S.A.	Newton & Meyer	S.A. & Madeline	Sycamore & Villa	Schipper & Fox	Walnut & Durham	Walnut & Hood	7-Eleven & Packard	Arvin High	Transit Dept.	
7:00	7:02	7:04	7:06	7:07	7:08	7:10	7:12	7:14	7:16	7:18	7:19	7:21	7:22	7:24	7:26
7:30	7:32	7:34	7:36	7:37	7:38	7:40	7:42	7:44	7:46	7:48	7:49	7:51	7:52	7:54	7:56
8:00	8:02	8:04	8:06	8:07	8:08	8:10	8:12	8:14	8:16	8:18	8:19	8:21	8:22	8:24	8:26
8:30	8:32	8:34	8:36	8:37	8:38	8:40	8:42	8:44	8:46	8:48	8:49	8:51	8:52	8:54	8:56
9:00	9:02	9:04	9:06	9:07	9:08	9:10	9:12	9:14	9:16	9:18	9:19	9:21	9:22	9:24	9:26
9:30	9:32	9:34	9:36	9:37	9:38	9:40	9:42	9:44	9:46	9:48	9:49	9:51	9:52	9:54	9:56
10:00	10:02	10:04	10:06	10:07	10:08	10:10	10:12	10:14	10:16	10:18	10:19	10:21	10:22	10:24	10:26
10:30	10:32	10:34	10:36	10:37	10:38	10:40	10:42	10:44	10:46	10:48	10:49	10:51	10:52	10:54	10:56
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11:30	11:32	11:34	11:36	11:37	11:38	11:40	11:42	11:44	11:46	11:48	11:49	11:51	11:52	11:54	11:56
12:00	12:02	12:04	12:06	12:07	12:08	12:10	12:12	12:14	12:16	12:18	12:19	12:21	12:22	12:24	12:26
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1:00	1:02	1:04	1:06	1:07	1:08	1:10	1:12	1:14	1:16	1:18	1:19	1:21	1:22	1:24	1:26
1:30	1:32	1:34	1:36	1:37	1:38	1:40	1:42	1:44	1:46	1:48	1:49	1:51	1:52	1:54	1:56
2:00	2:02	2:04	2:06	2:07	2:08	2:10	2:12	2:14	2:16	2:18	2:19	2:21	2:22	2:24	2:26
2:30	2:32	2:34	2:36	2:37	2:38	2:40	2:42	2:44	2:46	2:48	2:49	2:51	2:52	2:54	2:56
3:00	3:02	3:04	3:06	3:07	3:08	3:10	3:12	3:14	3:16	3:18	3:19	3:21	3:22	3:24	3:26
3:30	3:32	3:34	3:36	3:37	3:38	3:40	3:42	3:44	3:46	3:48	3:49	3:51	3:52	3:54	3:56
4:00	4:02	4:04	4:06	4:07	4:08	4:10	4:12	4:14	4:16	4:18	4:19	4:21	4:22	4:24	4:26

Clave de Rutas Route Map Key

- Arvin Local Route
- Arvin Local Stop
- Transit Dept.
- Points of Interest
- School
- Post Office
- Clinic





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

AS THE Mayor
(Chief Executive Officer / Director / President / Secretary)

OF THE CITY OF ARVIN
(Name of County/City Organization)

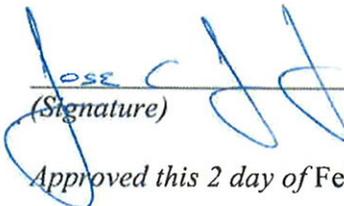
I hereby authorize the following individual(s) to execute for and on behalf of the named Regional Entity/Transit Operator, any actions necessary for the purpose of obtaining Low Carbon Transit Operations Program (LCTOP) funds provided by the California Department of Transportation, Division of Rail and 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.

Alfonso Noyola, City Manager OR
(Name and Title of Authorized Agent)

N/A OR
(Name and Title of Authorized Agent)

N/A
(Name and Title of Authorized Agent)

Jose Flores Mayor
(Print Name) (Title)


(Signature)
Approved this 2 day of February, 2016.

Attachment: Board Resolution approving Authorized Agent