



**RESOURCE
MANAGEMENT AGENCY
COUNTY OF TULARE
AGENDA ITEM**

BOARD OF SUPERVISORS

- KUYLER CROCKER
District One
- PETE VANDER POEL
District Two
- AMY SHUKLIAN
District Three
- J. STEVEN WORTHLEY
District Four
- MIKE ENNIS
District Five

AGENDA DATE: April 3, 2018

Public Hearing Required	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Scheduled Public Hearing w/Clerk	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Published Notice Required	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Advertised Published Notice	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Meet & Confer Required	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Electronic file(s) has been sent	Yes	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>
Budget Transfer (Aud 308) attached	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Personnel Resolution attached	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Agreements are attached and signature line for Chairman is marked with tab(s)/flag(s)	Yes	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
CONTACT PERSON: Celeste Perez PHONE: (559) 624-7010				

SUBJECT: 2017/2018 Application for Low Carbon Transit Operations Program (LCTOP) for \$189,405

- REQUEST(S):**
- That the Board of Supervisors:
1. Authorize the submission of an LCTOP application in the amount of \$189,405 to the State of California for the installation of Smart Card technology for the County's Tulare County Area Transit (TCaT) services; and
 2. Approve the LCTOP Certifications and Assurances; and
 3. Authorize the Chairman of the Board to sign the LCTOP Certifications and Assurances; and
 4. Approve the LCTOP Authorized Agent form; and
 5. Authorize the Chairman of the Board to sign the LCTOP Authorized Agent form.

SUMMARY:

Tulare County Area Transit is committed to developing programs that can utilize State Low Carbon Transit Operation (LCTOP) funds which are restricted to funding transit improvements that reduce greenhouse gases, promote ridership and serve disadvantaged communities. Tulare County Area Transit is requesting authority to implement the use of current year LCTOP funds. The County of Tulare was allocated \$189,405 in LCTOP funds for (FY) 2017/2018.

The LCTOP is one of several programs that are part of the Transit Affordable Housing, and Sustainable Communities Program established by the California

SUBJECT: 2017/2018 Application for Low Carbon Transit Operations Program (LCTOP) for \$189,405

DATE: April 3, 2018

Legislature in 2014 by Senate Bill 862.

Tulare County Area Transit (TCAT) staff is proposing a Smart Card Technology & Intelligent Transportation Systems (ITS) Amenities project. This project will allow TCaT to purchase smart card readers, other related ITS amenities such as wi-fi technology needed to operate passenger comfort, and to develop more accurate operating performance metrics. The investments will help fund capital enhancements designed to promote seamless, efficient operations that will attract increased transit patronage on the County's TCAT system. The ITS project will also utilize previously received funding from State Office of Emergency Services (Cal-OES).

As part of the submission, the County is submitting an updated Authorized Agent form and a Certifications and Assurances form. Previous LCTOP projects include the Try-TCaT subsidized transit pass program and funding for a forthcoming new TCaT website. The Certifications and Assurances are substantially the same as in previous years.

If funding is received, this project will be completed by the end of the calendar year.

FISCAL IMPACT/FINANCING:

There will be No Net County Cost to the General Fund.

Funding revenue from the LCTOP program is included in the 2017/2018 Transit Budget.

LINKAGE TO THE COUNTY OF TULARE STRATEGIC BUSINESS PLAN:

This program links to Strategic Initiative 1: Safety and Security includes the goal of improving and maintaining adequate transportation infrastructure. The proposed action meets this initiative.

ADMINISTRATIVE SIGN-OFF:



Reed Schenke, P.E.

Director

Cc: Auditor-Controller
County Counsel
County Administrative Office (2)

Attachment(s) Attachment A - LCTOP Allocation Request
Attachment B - LCTOP Certificates and Assurances
Attachment C - LCTOP Authorized Agent Form

**BEFORE THE BOARD OF SUPERVISORS
COUNTY OF TULARE, STATE OF CALIFORNIA**

IN THE MATTER OF 2017/2018) Resolution No. _____
APPLICATION FOR LOW CARBON)
TRANSIT OPERATIONS PROGRAM)
(LCTOP) FOR \$189,405)

UPON MOTION OF SUPERVISOR _____, SECONDED BY
SUPERVISOR _____, THE FOLLOWING WAS ADOPTED BY THE
BOARD OF SUPERVISORS, AT AN OFFICIAL MEETING HELD APRIL 3, 2018, BY
THE FOLLOWING VOTE:

AYES:
NOES:
ABSTAIN:
ABSENT:

ATTEST: MICHAEL C. SPATA
COUNTY ADMINISTRATIVE OFFICER/
CLERK, BOARD OF SUPERVISORS

BY: _____
Deputy Clerk

* * * * *

1. Authorized the submission of an LCTOP application in the amount of \$189,405 to the State of California for the installation of Smart Card technology for the County's Tulare County Area Transit (TCaT) services; and
2. Approved the LCTOP Certifications and Assurances; and
3. Authorized the Chairman of the Board to sign the LCTOP Certifications and Assurances; and
4. Approved the LCTOP Authorized Agent form; and
5. Authorized the Chairman of the Board to sign the LCTOP Authorized Agent form.

ATTACHMENT A – LCTOP Allocation Request



**FY 2017-2018 LCTOP
Allocation Request**

Lead Agency Information

Name:	Tulare County Area Transit (TCaT)		
Address:	5961 S. Mooney Blvd.		
City, State Zip Code:	Visalia, CA 93277		
County:	Tulare	Regional Entity:	Tulare
Agency Website:	www.tcat.net		
Approved Title VI (Date)*:	1/2/2018		
Link to Agency's Approved Title VI Plan:	http://tularecounty.ca.gov/nma/index.cfm/public-works/tulare-county-area-t		

*Please provide a copy of your FTA/Caltrans Approval Letter as an attachment to your FY17-18 LCTOP Allocation

Allocation Request Prepared by	
Name:	Teresa Ortega
Title:	Transit Technician
Phone #:	559-624-7084
E-mail:	tortega@cta.tulare.ca.us

Contact (if different then "Prepared by")	
Name:	Ross Miller
Title:	Chief Engineer
Phone #:	559-624-7000
E-mail:	rmiller@cta.tulare.ca.us

Authorized Agent	
Name:	J. Steven Worthley
Title:	Chairman of the Board
Phone #:	559-636-5000
E-mail:	jworthley@cta.tulare.ca.us

Legislative District Numbers					
Assembly*:	23	26			
Senate*:	14	16			
Congressional*:	21	22	23		

*if you have more Districts please provide an attachment

Project Summary

Name:	Smart Card Technology & Intelligent Transportation Systems (ITS)Amenities				
Description (Short): <i>No more than 4 lines.</i>	The County proposes to install smart card reader technology, including required wi-fi and associated computerized enhancements on transit buses.				
Type:	Capital				
Sub-Type	Purchase, construct, and/or install passenger amenities at transit stops/stations to encourage increased transit ridership				
Is the Lead Agency rolling over LCTOP funds:	No	How many years will the funds be rolled over:	2		
<i>If the Lead Agency is rolling over LCTOP funds in order to accumulate the need funds to complete the project leave the next question (Start Date) blank until the last year of rollover.</i>					
Start date (anticipated):	7/1/2018	End date (anticipated):	7/1/2019		
General Area (City/County):	Tulare County				
Specific Area (Lat-Long of the project in decimal degrees separated by a comma "," (e.g., 34.413775, -119.848624). For multiple locations, list each separated by a semicolon ";")	See attached map and SB535 list.				
Project Life - For capital projects, state the "Useful Life" of the project. For operation projects state the number of months service will be funded.					
Capital:	60 Months		Operations:		
Funding:	99313:	\$179,458	99314:	\$9,947	Total: \$189,405
Approved LONP:			LONP Approval date:		



**FY 2017-2018 LCTOP
Allocation Request**

Funding Information

<i>LCTOP Allocation Year</i>	<i>Prior</i>	<i>FY 17-18</i>	<i>FY 18-19</i>	<i>FY 19-20</i>	<i>FY 20-21</i>	<i>FY 21-22</i>	<i>Total</i>
PUC 99313 Amount:		\$179,458					\$179,458
PUC 99314 Amount:		\$9,947					\$9,947
Total LCTOP Funds:	\$0	\$189,405	\$0	\$0	\$0	\$0	\$189,405
Other GGR Funds:							\$0
Other Funds:		\$22,995					\$22,995
Total Project Cost:	\$0	\$212,400	\$0	\$0	\$0	\$0	\$212,400

Lead Agency:	Tulare County Area Transit (TCaT)	Amount:	PUC Funds Type:
Contact Person:	Ross Miller	\$179,458	99313
Contact Phone #:	559-624-7000	\$9,947	99314
Contact E-mail:	rmiller@co.tulare.ca.us		

Contributing Sponsor:		Amount:	PUC Funds Type:
Contact Person:			99313
Contact Phone #:			99314
Contact E-mails:			

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Contact Person:			99313
Contact Phone #:			99314
Contact E-mails:			

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Contact Person:			99313
Contact Phone #:			99314
Contact E-mails:			

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Contact Person:			99313
Contact Phone #:			99314
Contact E-mails:			

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Contact Person:			99313
Contact Phone #:			99314
Contact E-mails:			

Total FY 17-18 LCTOP Funding \$189,405

Supplanting Funds - Describe how the LCTOP funds will not supplant other funding sources.
 LCTOP will not supplant other funds as they are programmed for a portion of the project not funded by other sources.

Fully Funded Project - Provide a description of the status of all the funds to be used to completely fund this project.
 The County proposes to use \$189,405 in LCTOP to fund the smart card reader and wi-fi technologies. To the extent additional funding is needed, up to \$22,955 in CalOES funds will be utilized.

Funding Plan



**FY 2017-2018 LCTOP
Allocation Request**

Proposed Total Project Cost								
Component	Prior	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	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	\$212,400	\$0	\$0	\$0	\$0	\$0	\$212,400
Operations/Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL	\$0	\$212,400	\$0	\$0	\$0	\$0	\$0	\$212,400

Low Carbon Transit Operations Program (LCTOP)								
Component	Prior	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	Total
PA&ED								\$0
PS&E								\$0
R/W								\$0
CON								\$0
Veh/Equip Purchase		\$189,405						\$189,405
Operations/Other								\$0
TOTAL	\$0	\$189,405	\$0	\$0	\$0	\$0	\$0	\$189,405

Funding Source: Proposition 1B-CutOES								
Component	Prior	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	Total
PA&ED								\$0
PS&E								\$0
R/W								\$0
CON								\$0
Veh/Equip Purchase		\$22,995						\$22,995
Operations/Other								\$0
TOTAL	\$0	\$22,995	\$0	\$0	\$0	\$0	\$0	\$22,995

Funding Source:								
Component	Prior	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	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 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	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



**FY 2017-2018 LCTOP
Allocation Request**

Funding Plan

Funding Source:								
Component	Prior	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	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 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	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 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	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 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	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 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	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



**FY 2017-2018 LCTOP
Allocation Request**

Project/Agency Information

Project Description - Describe the project using comprehensive overall project description regarding improvements to be made and/or increased level of service (include for operations projects number of trips, span, frequency improvements and number of days of operation; for capital projects include product specifications). *No more than 10 lines.*

As part of this submission, the County is submitting an updated Authorized Agent form and a Certifications and Assurances form. Tulare County Area Transit (TCAT) is proposing a Smart Card Technology & Intelligent Transportation Systems (ITS) Amenities project. This project will allow TCaT to purchase smart card readers, other related ITS amenities such as wi-fi technology needed to operate passenger comfort, and to develop more accurate operating performance metrics. The investments will help fund capital enhancements designed to promote seamless, efficient operations that will attract increased transit patronage on the County's TCAT system.

Agency Service Area - Describe the project area including the city, town, community (rural, suburban, urban & demographics). *No more than 10 lines.*

The County operates four intercity/community fixed routes and five local community circulator routes within Tulare County. TCaT also offers a general public dial-a-ride service within four distinct service areas. The County contracts with the Cities of Lindsay, Woodlake, Porterville, Tulare and Visalia to provide extended service to County residents in surrounding unincorporated areas.

Agency Service - Describe the service you provide and how the project plays into your overall operations plan. *No more than 10 lines.*

The County provides both fixed-route and demand-response services. Four intercity/community fixed routes and five local community circulator routes are operated within Tulare County. TCaT offers a general public dial-a-ride service within four distinct service areas. TCaT coordinates with other County transit agencies and the Tulare County Association of Governments Transit Forum to maximize seamless transfers and fare payments between systems. The proposed project will allow the County to enhance its operations and generate and attract more riders by providing a quicker and easier payment system through smart card technology. Further, offering on-board wi-fi will greatly enhance the rider transit experience while serving the smart card reader system.

Agency Fare - Describe the fare structure for your system and how the project will affect that structure if at all.

The project will not impact the fare structure. TCaT's one-way fixed-route fare is \$2; srs. 60 years and older, disabled and military riders pay \$1 while Medicare riders pay \$1 between 9am to 3pm. The first two children (<six yrs) ride free while each additional child pays \$2. A regional monthly T-Pass sells for \$50 for unlimited rides on fixed-route systems in the County. A \$17 punch pass provides 10 rides. Under the Fare Subsidy Program, a TCaT-only monthly pass is \$40 and offers new riders a \$10 monthly T-Pass and a TCaT monthly pass for \$5. The one-way Dial-A-Ride general public fare is \$3; \$2 for Medicare cardholders and \$1 for ADA-eligible riders. The first two children six years and under ride free with each child



FY 2017-2018 LCTOP
Allocation Request

Project Information (continued)

Project Costs - Describe the assumptions and process for how the projects costs were developed. *No more than 10 lines.*

The total project cost is projected at \$212,400 of which LCTOP will comprise \$189,405 and \$22,995 in CalOES funds. Costs were developed based on an evaluation of TCaT rider needs and requests and current available technology. Recent vendor costs for some items bid by other agencies were used to project TCaT costs. Smart card readers and related amenities for 28 TCaT buses is estimated at \$120,000, and wi-fi technology at \$92,400. These costs will be refined through close coordination with vendors.

Project Planning - Explain the planning process this project went through, including any public outreach/input, or workshops

County staff participates in the annual TCAG Unmet Transit Needs process and regularly receives feedback from the general public and transit riders on ways to improve its services. Presentations are conducted to social service agencies allowing staff to better understand the challenges and issues faced by those who need transit services. Staff also participates in the Tulare County Association of Governments/TCAG Transit Forums and appreciates the benefits of a well designed and implemented ITS information.

Environmental Justice - Explain how your agency designed the project to avoid substantial burden on *any* low income disadvantaged community.

The project was designed to avoid substantial burden on the low-income riders in disadvantaged communities along with other general public riders. Additional costs to riders will not be required to implement the proposed project. The project, however, will benefit DACs by offering user-friendly TCaT ITS systems and information that promote greater understanding and ease of use of TCaT as a more convenient, affordable transportation option. Better understanding of TCaT services by the general public/DACs will attract new riders, reduce dependence on auto trips, and improve air quality. TCaT's ITS system improvements will promote the use of regional fare media coordinated between other transit systems in Tulare County to ensure DAC riders feel comfortable with seamless transfers. A list of all DAC census tract see attached.

Project GHG Benefits

Greenhouse Gas Reductions - Describe qualitatively how this project will reduce greenhouse gas emissions. For example, expanded/enhanced transit service will improve headways thus making transit a more convenient option of transportation thus increasing ridership, reducing Vehicle Miles Traveled (VMT) and reducing GHG.

The proposed project will offer a seamless, accessible TCaT smart card system and wi-fi technology that will promote ease of use and a more convenient attractive transportation option. This will result in reduced VMT and greenhouse gas emissions by replacing vehicle trips with transit trips. TCaT estimates a ridership increase of 16,115 riders during the five-year project useful life. Assuming a 20-mile one-way auto trip, this will result in a projected annual VMT and greenhouse gas reduction of 1,276,748 miles and 570.83 (mtco2), respectively.

Greenhouse Gas Reductions - Please provide quantitative information requested below and explanation/support for the data provided.

	Value	Explanation
Year 1 (Yr1) - First year of service, or year that capital improvements will be completed.	2019	
Year F (YrF) - Final year that the service is funded or the final year of the capital improvements useful life.	2024	
Project Yr1 Ridership - Estimated annual ridership contributed by the new service or capital improvement in Yr1.	14,650	
Project F Yr. Ridership - Estimated annual ridership contributed by the new service or capital improvement in YrF.	16,115	
Adjustment (A) - Adjustment factor to account for transit dependency. Default: 0.5 for local bus service and 0.83 for long distance commute service.	0.83	
Trip Length (L) - Length (miles) of average auto trip reduced or average passenger trip length (miles).	20.00	
Project Useful Life	5	This is calculated based on the values above.
Total Project Ridership Increased	76,913	This is calculated based on the values above.
Total Project VMTs Reduced	1,276,748	This number is calculated based on the values above.
Estimated Total Project GHG (mtco2) Reduction:	570.83	This number is calculated based on the values from above and the QM-Tool tab.
LCTOP Emission Reductions /Total LCTOP Funds Requested	0.02482	This number is calculated based on the values from above and the QM-Tool tab.



**FY 2017-2018 LCTOP
Allocation Request**

Project Benefits

Transit Mode Share (increase mobility): Describe how this project will increase transit mode share (increase mobility).

The proposed integrated real-time ITS approach will offer seamless, accessible, interactive TCaT system information that will promote ease of use and a more convenient attractive transportation option. This will result in reduced VMT and greenhouse gas emissions by replacing vehicle trips with transit trips. TCaT estimates a ridership increase of 16,115 riders over the five-year project useful life. Assuming a 20-mile one-way auto trip, this will result in a projected annual VMT and greenhouse gas reduction of 1,276,748 miles and 570.83 (mtco2), respectively. The project will benefit DACs by offering multi-lingual TCaT ITS system information that promotes greater understanding and ease of use of TCaT as a more convenient, affordable transportation option. Better understanding of TCaT services by the general public/DACs will attract new riders, reduce dependence on auto trips, and improve air quality. TCaT's ITS system improvements will promote the use of regional fare media coordinated between other transit systems in Tulare County to ensure DAC riders feel comfortable with seamless transfers. A list of all DAC census tracts is attached.

Co-Benefits - Check all additional Benefits/Outcomes.

- | | |
|---|--|
| <input type="checkbox"/> Improved Safety | <input checked="" type="checkbox"/> Coordination with Educational Institution |
| <input type="checkbox"/> Improved Public Health | <input checked="" type="checkbox"/> College <input type="checkbox"/> Grades K-12 |
| <input type="checkbox"/> Reduced Operating/Maintenance Costs | <input checked="" type="checkbox"/> Promotes Active Transportation |
| <input checked="" type="checkbox"/> Increase System Reliability | <input checked="" type="checkbox"/> Promotes Integration w/ other modes |
| <input checked="" type="checkbox"/> Other Benefits | |

Co-Benefits - Describe benefits indicated above and other benefits not listed.

New integrated ITS system components, smart card and wi-fi technology, will provide riders and potential riders with a more user-friendly, multi-lingual information on TCaT services. The proposed project also will allow for ease of fare payment, increase passenger comfort and promote quality service to Tulare County residents. The County also will seamlessly integrate with other transit providers in the County and promote the use of regional fare media by the general public, educational institutions, and social service agencies, etc.



**FY 2017-2018 LCTOP
Allocation Request**

AB 1550 Populations Benefits

Does your Service Area have a Disadvantaged Community?	Yes
Does the Project Benefit a Disadvantaged Community?	Yes
Does the Project Benefit a Low Income Community or a resident of a Low-Income Household?	Yes
Does the Project Benefit a Low Income Community or a resident of a Low-Income Household with in a 1/2 of a Disadvantaged Community?	Yes

Identify the DAC Census Tract Project Benefits (please use the 10-digit identification code) :	
--	--

Identify AB 1550 Criteria Table:	Transit
Identify the Specific AB 1550 Criteria (for more information please review AB 1550 Criteria tab):	A. Is the project at least partially located within the boundaries of a disadvantaged community census tract? For projects that improve transit service or increase transit access along transit lines or corridors, is the project serving at least one stop located within the boundaries of a disadvantaged community census tract?
Identify the approach your agency used to identify AB 1550 Community Need (for more information please review AB 1550 Needs tab):	C. Receive documentation of support from local community-based organizations and/or residents (e.g., letters, emails) and select a project with documented broad community support; or
Identify Specific AB 1550 Group Common Needs (if you select letter D. in question above):	

AB 1550 Community Need: Describe, in detail the identified community need(s) and how the project meets the need(s), including the levels of community engagement.

The proposed project will provide an enhanced media fare payment system and real-time stop information to DACs while promoting compatibility with other County transit agencies. Further, DACs throughout the unincorporated parts of Tulare County have typically high scores for linguistic isolation among other factors, and the proposed project will provide transit information in both English and Spanish. The County's goal is to help reduce obstacles to using TCaT by providing user-friendly transit services with specific understanding that DACs needs must be addressed. TCaT participates in transit meetings and forums where needs in the community and DACs are identified and addressed and understands challenges faced by those who need transit the most. Staff understands the need in DACs to promote transit as a positive alternative mode by ensuring understanding and comfort in using TCaT.

Identify the Specific AB 1550 Benefit Criteria (for more information please review AB 1550 Benefit Criteria tab):	C. Project improves transit connectivity for residents at stations or stops in an AB 1550 community (e.g., network/fare integration, fare-system investments);
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**FY 2017-2018 LCTOP
Allocation Request**

DAC Benefit - Explain, in your own words, how the project will benefit Disadvantaged Community(ies) within your service area.

The project will benefit DACs by offering a smart card reader system and wi-fi technologies that are user-friendly and easily accessible. This promotes greater understanding and ease of use of TCaT as a more convenient, affordable transportation option. Better understanding of TCaT services by the general public/DACs will attract new riders, reduce dependence on auto trips, and improve air quality. TCaT's system improvements will promote the use of regional fare media coordinated between other transit systems in Tulare County to ensure DAC riders feel comfortable with seamless transfers.

Low-Income Community or Low-Income Household Benefit - Explain, in your own words, how the project will benefit Low-Income Community(ies) or Low-Income Households within the project area.

The County's proposed TCaT fare payment system and wi-fi technology will promote increased ease of using the system thereby attracting new riders, reducing dependence on auto trips, and improving air quality. The enhancements will promote the use of seamless transfers between systems and the use of affordable fare media. Multi-lingual on-board information will enhance understanding of the TCaT services making it more user-friendly and accessible to low-income residents.

Low-Income Community or Low-Income Household within 1/2 a mile of a Disadvantaged Community Benefit - Explain, in your own words, how the project will benefit Low-Income Community(ies) or Low-Income Households within the project area.

As with low-income communities or low-income household benefits, the County's proposed TCaT fare payment system and wi-fi technology will positively impact low-income communities and low-income households within 1/2 mile of a disadvantaged community by promoting increased ease of using the system thereby attracting new riders, reducing dependence on auto trips, and improving air quality. The enhancements will promote the use of seamless transfers between systems and the use of affordable fare media. Multi-lingual on-board information will enhance understanding of the TCaT services making it more user-friendly and accessible to low-income residents.

Amount funds to benefit a DAC: \$	189,405
Amount funds to benefit Low-Income Households & Residents: \$	94,702
Amount funds to benefit Low-Income Households or Resident within 1/2 mile of a DAC: \$	94,702



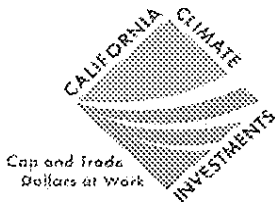
California Air Resources Board
Calculator Tool for the
California Department of Transportation
Low Carbon Transit Operations Program
Greenhouse Gas Reduction Fund
Fiscal Year 2017-18

Project Title	Smart Card Technology & Intelligent Transportation	Project Contact	Ross Miller
Project Location	Tulare County Area Transit (TCAT)	Contact Phone	559-624-7000
Project Start Date	3/7/2018	Contact Email	rmiller@co.tulare.ca.us
Project ID			

<input type="checkbox"/>	Auto-fill field; no input required	<input type="checkbox"/>	Calculated field; no input required
<input type="checkbox"/>	Applicant must input, if required	<input type="checkbox"/>	Additional documentation required
<input type="checkbox"/>	Applicant must select from drop-down, if required:		

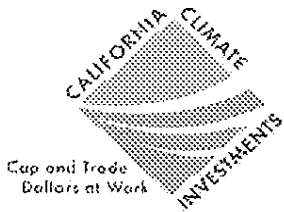
Applicant must input required fields from top to bottom (i.e., first Project Type, then Region, etc.)
 Required fields and descriptions are dependent on the inputs selected or entered.
 User tips to provide clarification or suggested inputs may appear when input cells are selected.

Inputs	Required	Description
This section is used to determine the quantification method and emission factors to use to estimate emissions		
Project Type		Purchase, construct, and/or install passenger amenities at transit stops/stations to encourage increased transit ridership
Quantification Method	Increased Ridership	Automatic: Emission Estimates = Emission Reductions from Displaced Autos
Region	County	Yes: The region that best encompasses the geographic location for the proposed project type.
Subregion	Tulare	Yes: The county where the majority of the service occurs.
Year 1 (Yr1)	2019	Yes: The first year of increased ridership as a result of the capital expenditure.
Year F (YrF)	2024	Yes: The final year of increased ridership as a result of the capital expenditure.
Quantification Period	5	Calculated: The useful life of the capital expenditure.
This section is used to estimate the emission reductions from displaced auto vehicle miles traveled (VMT).		
Service Type	Intercity/Express Bus (Long Distance)	Yes: The transit service (e.g., Intercity/Express Bus (Long Distance), Light Rail, Vanpool, etc.) directly associated with the the proposed project. For projects that support multiple services, select Multi-modal.
Yr1 Ridership	14,650	Yes: The increase in annual unlinked passenger trips directly associated with the proposed project in the first year.
YrF Ridership	15,115	Yes: The increase in annual unlinked passenger trips directly associated with the proposed project in the final year. If the ridership is not expected to change, the same value should be input for Yr1 and YrF.
Adjustment Factor (A)	0.83	Yes: Discount factor applied to annual ridership to account for transit-dependent riders. Use: documented project specific data or system average developed from a recent, statistically valid survey or default.
Length of Average Trip (L)	20.00	Yes: Annual passenger-miles over unlinked trips directly associated with the proposed project.
GHG Emission Reductions	370.83	Calculated: The estimated GHG emission reductions in metric ton (MT) of carbon dioxide equivalent (CO2e) from displaced auto VMT from the proposed project.
This section is used to estimate the net emission reductions from new service or from the purchase of new zero-emission/hybrid vehicle(s).		
Vehicle Type		No: Not applicable for this project type.
Hybrid Vehicle		No: Not applicable for this project type.
Fuel/Energy Type		No: Not applicable for this project type.
Project Specific Emission Factor		No: Not applicable for this service type.
Model Year		No: Not applicable for this project type.
Annual VMT		No: Not applicable for this project type.
Annual Fuel/Energy		No: Not applicable for this project type.
GHG Emissions	Not Applicable	Calculated: Not applicable for this project type.
This section is used to estimate the net emission reductions from vehicle replacement or fuel/energy reductions as a result of the proposed project.		



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Additional GHG Reductions	Not Applicable	Optional	Select Not Applicable unless an existing vehicle will be replaced or additional fuel/energy savings may be realized.
Vehicle Type		No	Not applicable for this project type.
Fuel/Energy Type		No	Not applicable for this project type.
Model Year		No	Not applicable for this project type.
Annual VMT		No	Not applicable for this project type.
Annual Fuel/Energy		No	Not applicable for this project type.
GHG Reductions	Not Applicable	Calculated	Not applicable for this project type.
This section is used to gather the total Greenhouse Gas Reduction Fund (GGRF) funding requested or awarded.			
FY 2017-18 LCTOP GGRF Funds Requested	\$189,405.00	Yes	The amount of FY 2017-18 LCTOP dollars the applicant is requesting from Caltrans per State Controller's Office Eligible list for FY 2016-17.
Total LCTOP GGRF Funds Requested	\$189,405.00	Yes	The amount equal to FY 2017-18 LCTOP Funds Requested plus all LCTOP dollars from Caltrans that have previously been awarded to the same project and any future LCTOP dollars that the project plans to apply for. If no other LCTOP funds have been requested, the Total LCTOP GGRF Funds Requested will be the same amount as the FY 2017-18 LCTOP Funds Requested.
Total GGRF Funds Requested	\$22,895.00	Yes	The amount equal to the Total LCTOP Funds Requested plus all GGRF dollars that have previously been awarded to the same project and any other GGRF dollars that the project has or plans to apply for. If no other GGRF funds have been requested, the Total GGRF Funds Requested will be the same amount as the Total LCTOP GGRF Funds Requested.
This section calculates the greenhouse gas (GHG) emission reductions achieved by the proposed project.			
Total Project GHG Reductions	571	Calculated	Total GHG emission reductions (MTCO ₂ e) from the project during the useful life.
LCTOP Project GHG Reductions	4,702	Calculated	This is the portion of GHG emission reductions attributable to funding from LCTOP; GHG emission reductions are prorated according to the level of program funding contributed from LCTOP and other CCI programs, as applicable.



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Project Name	Smart Card Technology & Intelligent Transportation Systems (ITS) Amenities	Contact Name	Ross Miller
Agency	Tulare County Area Transit (TCAT)	Phone Number	559-624-7000
Project Start Date	3/7/2018	Contact Email	rmiller@co.tulare.ca.us
Project ID			

Display fields only; no inputs required

	Results	Description
GHG Emission Reduction Start Date (Year)	2019	The first year the proposed LCTOP project will achieve GHG emission reductions.
Total GHG Emission Reductions (MTCO ₂ e)	571	Total GHG emission reductions (MTCO ₂ e) from the proposed project during the quantification period.
Total GHG Emission Reductions / Total GGRF Funds Requested (MTCO ₂ e/\$)	0.0248	The metric to be reported in the application.
LCTOP GHG Emission Reductions (MTCO ₂ e)	4,702	This is the portion of GHG emission reductions attributable to funding from LCTOP; GHG emission reductions are prorated according to the level of program funding contributed from LCTOP and other CCI programs, as applicable.
LCTOP GHG Emission Reductions / Total LCTOP GGRF Funds Requested (MTCO ₂ e/\$)	0.0248	The metric to be reported in the application.



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PROJECT NAME	Smart Card Technology & Intelligent Transportation Systems (ITS) Amenities	CONTACT NAME	Ross Miller
AGENCY	Tulare County Area Transit (TCAT)	CONTACT PHONE	559-624-7000
DATE COMPLETED	3/7/2018	CONTACT EMAIL	rmiller@co.tulare.ca.us
COLORADO			

Display fields only; no inputs required

	Total CCI	Results
Key Variables	Passenger VMT Reductions (miles)	1,278,748
	Fossil Fuel Use Reductions	N/A
	Renewable Energy Generated (kWh)	N/A
	Fossil Fuel Energy Use Reductions (kWh)	N/A
Co-Benefits	ROG Emission Reductions (lbs)	51
	NO _x Emission Reductions (lbs)	272
	PM _{2.5} Emission Reductions (lbs)	4
	Diesel PM Emission Reductions (lbs)	25
	LCTDP	Results
Key Variables	Passenger VMT Reductions (miles)	10,516,302
	Fossil Fuel Use Reductions	N/A
	Renewable Energy Generation (kWh)	N/A
	Fossil Fuel Energy Use Reductions (kWh)	N/A
Co-Benefits	ROG Emission Reductions (lbs)	422
	NO _x Emission Reductions (lbs)	2,239
	PM _{2.5} Emission Reductions (lbs)	36
	Diesel PM Emission Reductions (lbs)	208
	Additional CCI Program	Results
Key Variables	Passenger VMT Reductions (miles)	(9,239,554)
	Fossil Fuel Use Reductions	N/A
	Renewable Energy Generated (kWh)	N/A
	Fossil Fuel Energy Use Reductions (kWh)	N/A
Co-Benefits	ROG Emission Reductions (lbs)	-371
	NO _x Emission Reductions (lbs)	-1,967
	PM _{2.5} Emission Reductions (lbs)	-32
	Diesel PM Emission Reductions (lbs)	-163

ATTACHMENT B –
LCTOP Certificates and
Assurances



Certifications and Assurances

Lead Agency:	TULARE COUNTY AREA TRANSIT (TCAT)
Project Title:	SMART CARD READERS
Prepared by:	TERESA ORTEGA

The California Department of Transportation (Caltrans) has adopted the following Certifications and Assurances for the Low Carbon Transit Operations Program (LCTOP). As a condition of the receipt of LCTOP funds, Lead Agency must comply with these terms and conditions.

A. General

1. The Lead Agency agrees to abide by the current LCTOP Guidelines and applicable legal requirements.
2. The Lead Agency must submit to Caltrans a signed Authorized Agent form designating the representative who can submit documents on behalf of the project sponsor and a copy of the board resolution appointing the Authorized Agent.

B. Project Administration

1. The Lead Agency certifies that required environmental documentation is complete before requesting an allocation of LCTOP funds. The Lead Agency assures that projects approved for LCTOP funding comply with Public Resources Code § 21100 and § 21150.
2. The Lead Agency certifies that a dedicated bank account for LCTOP funds only will be established within 30 days of receipt of LCTOP funds.
3. The Lead Agency certifies that when LCTOP funds are used for a transit capital project, that the project will be completed and remain in operation for its useful life.
4. The Lead Agency certifies that it has the legal, financial, and technical capacity to carry out the project, including the safety and security aspects of that project.
5. The Lead Agency certifies that they will notify Caltrans of pending litigation, dispute, or negative audit findings related to the project, before receiving an allocation of funds.
6. The Lead Agency must maintain satisfactory continuing control over the use of project equipment and facilities and will adequately maintain project equipment and facilities for the useful life of the project.
7. Any interest the Lead Agency earns on LCTOP funds must be used only on approved LCTOP projects.
8. The Lead Agency must notify Caltrans of any changes to the approved project with a Corrective Action Plan (CAP).
9. Under extraordinary circumstances, a Lead Agency may terminate a project prior to completion. In the event the Lead Agency terminates a project prior to completion, the Lead Agency must (1) contact Caltrans in writing and follow-up with a phone call verifying receipt of such notice; (2) pursuant to verification, submit a final report indicating the reason for the termination and demonstrating the expended funds were used on the intended purpose; (3) submit a request to reassign the funds to a new project within 180 days of termination.



Certifications and Assurances

C. Reporting

1. The Lead Agency must submit the following LCTOP reports:
 - a. Semi-Annual Progress Reports by May 15th and November 15th each year.
 - b. A Final Report within six months of project completion.
 - c. The annual audit required under the Transportation Development Act (TDA), to verify receipt and appropriate expenditure of LCTOP funds. A copy of the audit report must be submitted to Caltrans within six months of the close of the year (December 31) each year in which LCTOP funds have been received or expended.
2. Other Reporting Requirements: ARB is developing funding guidelines that will include reporting requirements for all State agencies that receive appropriations from the Greenhouse Gas Reduction Fund. Caltrans and project sponsors will need to submit reporting information in accordance with ARB's funding guidelines, including reporting on greenhouse gas reductions and benefits to disadvantaged communities.

D. Cost Principles

1. The Lead Agency agrees to comply with Title 2 of the Code of Federal Regulations 225 (2 CFR 225), Cost Principles for State and Local Government, and 2 CFR, Part 200, Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments.
2. The Lead Agency agrees, and will assure that its contractors and subcontractors will be obligated to agree, that:
 - a. Contract Cost Principles and Procedures, 48 CFR, Federal Acquisition Regulations System, Chapter 1, Part 31, et seq., shall be used to determine the allow ability of individual project cost items and
 - b. Those parties shall comply with Federal administrative procedures in accordance with 2 CFR, Part 200, Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments. Every sub-recipient receiving LCTOP funds as a contractor or sub-contractor shall comply with Federal administrative procedures in accordance with 2 CFR, Part 200, Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments.
3. Any project cost for which the Lead Agency has received funds that are determined by subsequent audit to be unallowable under 2 CFR 225, 48 CFR, Chapter 1, Part 31 or 2 CFR, Part 200, are subject to repayment by the Lead Agency to the State of California (State). All projects must reduce greenhouse gas emissions, as required under Public Resources Code section 75230, and any project that fails to reduce greenhouse gases shall also have its project costs submit to repayment by the Lead Agency to the State. Should the Lead Agency fail to reimburse moneys due to the State within thirty (30) days of demand, or within such other period as may be agreed in writing between the Parties hereto, the State is authorized to intercept and withhold future payments due the Lead Agency from the State or any third-party source, including but not limited to, the State Treasurer and the State Controller.



Certifications and Assurances

A. Record Retention

1. The Lead Agency agrees, and will assure that its contractors and subcontractors shall establish and maintain an accounting system and records that properly accumulate and segregate incurred project costs and matching funds by line item for the project. The accounting system of the Lead Agency, its contractors and all subcontractors shall conform to Generally Accepted Accounting Principles (GAAP), and enable the determination of incurred costs at interim points of completion. All accounting records and other supporting papers of the Lead Agency, its contractors and subcontractors connected with LCTOP funding shall be maintained for a minimum of three (3) years after the "Project Closeout" report or final Phase 2 report is submitted (per ARB Funding Guidelines, Vol. 3, page 3.A-16), and shall be held open to inspection, copying, and audit by representatives of the State and the California State Auditor. Copies thereof will be furnished by the Lead Agency, its contractors, and subcontractors upon receipt of any request made by the State or its agents. In conducting an audit of the costs claimed, the State will rely to the maximum extent possible on any prior audit of the Lead Agency pursuant to the provisions of federal and State law. In the absence of such an audit, any acceptable audit work performed by the Lead Agency's external and internal auditors may be relied upon and used by the State when planning and conducting additional audits.

2. For the purpose of determining compliance with Title 21, California Code of Regulations, Section 2500 et seq., when applicable, and other matters connected with the performance of the Lead Agency's contracts with third parties pursuant to Government Code § 8546.7, the project sponsor, its contractors and subcontractors and the State shall each maintain and make available for inspection all books, documents, papers, accounting records, and other evidence pertaining to the performance of such contracts, including, but not limited to, the costs of administering those various contracts. All of the above referenced parties shall make such materials available at their respective offices at all reasonable times during the entire project period and for three (3) years from the date of final payment. The State, the California State Auditor, or any duly authorized representative of the State, shall each have access to any books, records, and documents that are pertinent to a project for audits, examinations, excerpts, and transactions, and the Lead Agency shall furnish copies thereof if requested.

3. The Lead Agency, its contractors and subcontractors will permit access to all records of employment, employment advertisements, employment application forms, and other pertinent data and records by the State Fair Employment Practices and Housing Commission, or any other agency of the State of California designated by the State, for the purpose of any investigation to ascertain compliance with this document.

F. Special Situations

Caltrans may perform an audit and/or request detailed project information of the project sponsor's LCTOP funded projects at Caltrans' discretion at any time prior to the completion of the LCTOP.

I certify all of these conditions will be met.

J. STEVEN WORTHLEY
(Print Authorized Agent)

CHAIRMAN OF THE BOARD
(Title)

(Signature)

(Date)

Allocation

Lead Agency: TULARE COUNTY AREA TRANSIT
Project Title: SMARTCARD READERS
Regional Entity: Tulare County Association of Governments
County: Tulare

Lead Agency: 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, Lead Agency 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.

Authorized Agent: J STEVEN WORTHLEY
Title: CHAIRMAN OF THE BOARD
Lead Agency: County of Tulare

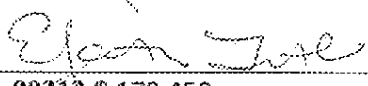
Signature:

PUC Funds Type: 99313 \$ Amount of 99313 Funds
PUC Funds Type: 99314 \$ 9,947

Contributing Sponsor(s): The contributing sponsor is an entity that passes funds to the Lead Agency to support a project. The contributing sponsor could be the regional entity (PUC 99313) passing their funds to a recipient agency within their region or a recipient agency (PUC 99314) passing their funds through to either a regional entity or a recipient agency within their region. The contributing sponsor(s) must also sign and state the amount and type of LCTOP funds (PUC Sections 99313 and 99314) they are contributing the project. 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 Contributing Sponsors.

Authorized Agent: ELIZABETH FORTE
Title: PRINCIPAL REGIONAL PLANNER
Lead Agency: TULARE COUNTY ASSOCIATION OF GOVERNMENTS

Signature:


PUC Funds Type: 99313 \$ 179,458
PUC Funds Type: 99314 \$ Amount of 99314 Funds

ATTACHMENT C –
LCTOP Authorized Agent
Form



FY 2017-2018 LCTOP

Authorized Agent

AS THE CHAIRMAN OF THE BOARD
(Chief Executive Officer/Director/President/Secretary)

OF THE COUNTY OF TULARE
(Name of County/City/Transit 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.

CHAIRMAN OF THE BOARD OF SUPERVISORS OR
(Name and Title of Authorized Agent)

DIRECTOR, RESOURCE MANAGEMENT AGENCY OR
(Name and Title of Authorized Agent)

ASSISTANT DIRECTOR FOR PUBLIC WORKS, RESOURCE MANAGEMENT AGENCY OR
(Name and Title of Authorized Agent)

Click here to enter text. OR
(Name and Title of Authorized Agent)

J. STEVEN WORTHLEY CHAIRMAN OF THE BOARD
(Print Name) (Title)

(Signature)

Approved this 3 day of April, 2018