

NEW TECHNOLOGY RESERVE GRANT PROGRAM ADVANCED TRANSIT AND TRANSPORTATION PROJECTS

Fiscal Year 2020-2021 Grant Application

Fresno County Rural Transit Agency EV-UV Project

NEW TECHNOLOGY RESERVE GRANT PROGRAM ADVANCED TRANSIT AND TRANSPORTATION PROJECTS

Fiscal Year 2020-2021 Grant Application

Project/Program Name/Description: FCRTA EV-UV Project

Lead Agency (Applicant) Legal Name: Fresno County Rural Transit Agency

Physical Address (No P.O. Box): 2035 Tulare Street, Suite 201

City: Fresno

County: Fresno

Zip: 93721

Contact Person (Grant Manager): Janelle Del Campo

Phone: (559) 233-6789 Ext.221

Email: delcampo@fresnocog.org

Name of Authorizing Representative certifying that the information contained in this application is true and accurate:

Printed Name: Moses Stites Title: General Manager

Email Address: <u>mstites@fresnocog.org</u>

Signature: Mosos Shte



2035 Tulare Street, Suite 201 Fresno, CA 93721 (559) 233-4148

APPLICANT CHECKLIST/TABLE OF CONTENTS

Applicants should use this checklist to ensure that all applicable parts of the application and attachments are completed and submitted.

PART 1 – PROGRAM OVERVIEW	Page
BACKGROUND	1
FUNDING DISTRIBUTIONS/TIMELINE	2
GOALS AND OBJECTIVES	3
PART 2 – APPLICANT ELIGIBILITY	
D PUBLIC AGENCY	4
	5
PART 3 – GRANT PROCEDURES	
SELECTION AND SUBMISSION PROCESS	6
TRANSMITTAL LETTER	7
PART 4 – PROJECT/PROGRAM ELIGIBILITY	
	8-10
	11
	12
D PUBLIC BENEFIT	13-14
	15-16
REPLICATION & REGIONAL APPLICABILITY	17
ENVIRONMENTAL JUSTICE BENEFITS	18
MATCH FUNDING COMMITMENTS	19-20
PROPOSED BUDGET FOR OPERATIONAL PROJECTS/PROGRAMS	21
PERFORMANCE MEASURES	22

BACKGROUND

The Fresno Council of Governments (Fresno COG) is seeking proposals from eligible public agencies for advanced transit projects that have the potential for broad benefits to Fresno County residents and will assist the region in meeting its air quality goals. Fresno COG is proposing to fund projects of regional significance in the areas of research, development, demonstration, and deployment that will advance public transit and transportation.

Fresno COG is a consensus builder, developing acceptable programs and solutions to issues that do not respect political boundaries. Fresno COG is a voluntary association of local governments, one of California's 38 regional planning agencies, and one of 500+ nationwide. In 1967 elected officials of Fresno County and its incorporated cities informally created the agency, formalizing Fresno COG in 1969 through a Joint Powers Agreement. Fresno COG undertakes comprehensive regional planning with an emphasis on transportation, provides citizens an opportunity to be involved in the planning process, and supplies technical services to its members.

Fresno County voters approved <u>Measure C</u>, a ½ cent transportation sales tax, in 1986 and again in 2006. Fresno COG prepared the Measure C Expenditure Plan, a guide to how \$1.2 billion in Measure C transportation dollars will be spent through the year 2027. It was prepared with our partners, the cities, the County, Caltrans and the <u>Fresno County Transportation Authority</u> (administrators of the tax) and other community stakeholder groups. In its first 20 years, Measure C delivered more than \$1 billion of improvements to state highways and county roadways, and has helped the building of additional lanes and freeway improvements throughout the County. As a result of the successful original measure, Fresno County voters chose to extend Measure C for an additional 20 years. The Measure C Extension (2007-2027) not only funds improvements of local roadways by repairing potholes and paving streets and sidewalks, but also funds ride-share incentive programs and environmental enhancement programs.

The Fresno County Transportation Authority (FCTA) is the entity created by legislation to administer the Measure C Program(s) and ensure the revenue is received and distributed appropriately. Fresno COG is responsible for the implementation of several Measure C programs including the Measure C New Technology Reserve Grant Program (New Technology Grant Program). For information on the Measure C sales tax visit <u>www.measurec.com</u>.

This Request for Proposals (RFP) is being issued to eligible public agencies within Fresno County including the Fresno COG, Fresno County Rural Transit Agency, Fresno County, and the cities in Fresno County who propose projects meeting the eligibility requirements of the Measure C New Technology Reserve Grant Program and demonstrate the need for advanced transit and transportation. Entities deemed ineligible to apply for New Technology Grant funds may apply as a partnering agency but <u>must</u> partner with an <u>eligible</u> applicant that will be responsible for implementing the project. <u>Agencies</u> wishing to request to partner with Fresno COG must submit an electronic copy of their proposal by June 18, 2020. The implementing agency assumes responsibility and accountability for the use and expenditure of program funds. The eligible public agency will need to sign a Cooperative Agreement with the FCTA.

FUNDING DISTRIBUTION/TIMELINE

The Measure C New Technology Program makes \$5.38 million available for the Fiscal Year 20/21 award cycle. An additional \$6,000,000 - \$9,000,000 can be made available over time through the next 5 years. Fresno COG will release an Application for New Technology Projects/Proposals on a biennial basis.

Fresno COG is committed to ensuring that grant funding from the RFP is equally distributed throughout the Fresno County Region to the extent feasible. From the most qualified proposals with the highest scores, Fresno COG will select projects for funding in a manner that is consistent with this commitment.

Fresno COG reserves the right to reject all proposals and make no awards under this announcement if the proposals submitted do not meet the goals of this RFP.

TIMELINE:

ΑCTIVITY	DATE
Request for Proposals Released	April 10, 2020
Last day to submit requests for clarification	June 4, 2020
Deadline for Electronic Proposal Submittal for agencies	
requesting to partner with Fresno COG	June 18, 2020
Deadline for Proposal Submittal	July 22, 2020
Scoring (Tentative)	July 27 - August 14, 2020
Potential Interviews (Tentative)	August 17 - 28, 2020
Policy Board Approval (Tentative)	September 24, 2020
FCTA Board Approval (Tentative)	October 28, 2020
Notice to Proceed - Subject to Contract Signing (Tentative)	January 2021

GOALS AND OBJECTIVES

The goal of the New Technology Reserve Subprogram is the set-aside Measure "C" funding to finance new transit technologies that may be developed in the future. To further its Measure C New Technology Program goals, Fresno COG is focusing on technological advances in public systems, safety features, fuel efficiencies and alternatives, intelligent transportation system (ITS) applications, and information dissemination. These areas help to promote passenger safety and satisfaction, attract customers, improve capital and operating efficiencies, reduce environmental pollution, and ease dependence on fossil fuels.

Expenditures on funded projects must be directed into the Fresno County economy, and must have a strong potential to attract future financial investment in that economy. To the extent possible, the Measure C New Technology Program funds should be used to leverage additional funding from other sources to create more viable projects.

Examples of eligible projects or project components include, but are not limited to:

- 1. The evaluation of viability and local benefits of new transit technologies.
- 2. Planning, design and construction of new transit technologies, including construction of track and ancillary improvements
- 3. Purchase of vehicles only if they are an integral part of a new-technology system, not replacement vehicles in an already existing system; hiring of staff to seek additional funding for new transit technologies after project is awarded
- 4. Environmental Review
- 5. Right-of-way acquisition
- 6. Other necessary projects, programs, systems, or services that enable new technology transit and transportation systems to provide the desired objectives.

Previous cycles awarded the following types of projects:

- 1. Public transit buses retrofitted with Near-Zero Emission engines
- 2. Electric public transit vehicles
- 3. Electric school buses
- 4. Solar tree charging stations
- 5. Electric aircraft/commercial flight training service
- 6. University Transportation Institute
- 7. BRT Route Synchronization
- 8. Advanced Propulsion Systems Training Program

APPLICANT ELIGIBILITY

Public Agency

This application is open to selected eligible public agencies within Fresno County. These agencies include:

- Fresno Council of Governments
- Fresno County
- Incorporated cities within Fresno County
- Fresno County Rural Transit Agency

Entities deemed ineligible to apply for New Technology Grant funds may apply as a partnering agency but **must** partner with an **eligible** public agency that will be responsible for implementing the project. Eligible public agencies wishing to partner will need a resolution from their governing body. This resolution must be submitted as an attachment to this application. In addition, public agency, as an Appendix to the application. Furthermore, if a school district is one of the partnering agencies, a resolution from the school district's board must be submitted as an attachment to this application.

Eligible Public Agencies must provide a representative's contact information.

Legal Name of Applicant:			
Address:			
City, State, and Zip:	Phone:	Email:	

Eligible Public Agency's Representative

Name (print):	Title (print):	
Signature:	Date:	
Email:		

APPLICANT ELIGIBILITY

Civil Rights

Describe any lawsuits or complaints that have been received or acted on in the last year based on Title VI of the Civil Rights Act or other relevant civil rights requirements by the partnering agency and/or the eligible applicant. This list should include only those lawsuits or complaints that pertain to allegations of discrimination on the basis of race, color, and/or national origin that pertain to the department of the agency submitting this application, not necessarily the larger agency of which the applicant is a part.

THERE WERE NO LAWSUITS OR COMPLAINTS RECEIVED OR ACTED ON IN THE LAST YEAR RELATING TO TITLE VI OR OTHER RELEVANT CIVIL RIGHTS REQUIREMENTS.

Furthermore, provide a status of lawsuits or an explanation of how complaints were resolved including corrective actions taken.

If <u>NO</u> lawsuits or complaints were received or acted on – subrecipient must provide the following statement:

THERE WERE NO LAWSUITS OR COMPLAINTS RECEIVED OR ACTED ON IN THE LAST YEAR RELATING TO TITLE VI OR OTHER RELEVANT CIVIL RIGHTS REQUIREMENTS.

GRANT APPLICATION PROCEDURES

Project Selection Process

All project applications will be evaluated in accordance with the scoring criteria on pages 8-23 to determine the extent to which the proposed project meets the overall program goals and objectives of the programs. Fresno COG will use volunteers from various multidisciplinary groups to recommend projects for funding through a competitive process and recommend funding levels.

Fifteen (15) bound hard-copies, one (1) reproducible copy and one electronic copy (on CD or flash drive) of the **application must be submitted to Fresno COG** <u>before noon on July 22, 2020</u>. All copies shall be securely bound, e.g. spiral or comb bound (no clips, clamps, ringed binders, or rubber bands) except for the one reproducible copy. <u>All printing (including appendixes, but excluding maps) shall be limited</u> to no more than 50 pages. All printing must be double-sided. If an application is single sided or over <u>50 double-sided pages, it will be rejected</u>. The original application must be marked "ORIGINAL COPY". All documents contained in the original application package must have original signatures. The copies of the application may contain photocopies of the original package (so long as the maps, photographs and other detailed exhibits are in color and/or high resolution that clearly depicts all relevant information.)

Applications must be submitted to the following address:

Fresno Council of Governments 2035 Tulare Street, Suite 201 Fresno, CA 93721

To the attention of: Peggy Arnest

Inquiries and Updates: Requests for clarification regarding this application must be submitted in writing via email to Peggy Arnest at <u>parnest@fresnocog.org</u>, and received by Fresno COG no later than 4:00 pm, Thursday, June 4, 2020. Such information as is reasonably available and will facilitate preparation of responses hereto; requests for clarification and associated responses; and any Addenda to this RFP will be posted at: <u>http://www.fresnocog.org/Doing-Buisness-With-Fresno-COG</u> and will not otherwise be distributed.

The information in this application is public record. Therefore, applicants should not include information regarded as confidential.

GRANT APPLICATION PROCEDURES

Transmittal Letter

A. Applicant Information:		
Legal Name: Fresno County Rural Transit Ag	gency	
Address: 2035 Tulare Street, Suite 201		
City/State/Zip: Fresno CA 93721		
Contact Person: Janelle Del Campo		
E-mail: delcampo@fresnocog.org		
Phone: 559-233-6789 Ext221		Fax:
B. Project Type (check one):		
Capital Only	Capital and	Operating
Operating Only	Other, pleas	se specifyPlanningProject
C. Project Information:	P.,	
Project Title: FCRTA EV-UV Project		
Project Description: Purchase (4) 23ft BYD e (Location/Boundaries, Nature of Project, Scope) be route transit services.		
D. Funding Request:		FFY 2020/2021
New Technology Funds Request:	\$1,08	33,048.62
Total Matching Funds: (DOT federal, state, local, private, etc.)	\$290	,000.00
Total Cost of Project:	\$1,37	73,048.62
E. Authorized Signature:		
Name (print):	Mose	s Stites
Title (print)	Gener	ral Manager
Signature: Moses Stites	Date	7/20/2020

PROJECT/PROGRAM ELIGIBILITY - Subjective Evaluation (0 – 15 points)

APPLICATION INSTRUCTIONS:

NARRATIVE RESPONSES SHOULD BE CLEAR, COMPLETE, AND CONCISE. INSERT ADDITIONAL SPACE WHERE NEEDED TO COMPLETE QUESTIONS (e.g., application for page 8, continuing pages should be numbered 8a, 8b, 8c...etc.). ALL ADDITIONAL DOCUMENTATION SHOULD BE INCLUDED IN A DISTINCTLY LABELED SECOND PART OF YOUR APPLICATION LABELED AS THE "APPENDIX." THE NARRATIVE SHOULD INDICATE SPECIFIC DOCUMENTATION AND INCLUDE A REFERENCE TO WHERE IT CAN BE FOUND IN YOUR APPENDIX. USE MULTIPLE TABS IN THE APPENDICES, IF NEEDED, TO IDENTIFY CORRESPONDING DOCUMENTATION.

 Provide a brief executive summary of your project/program – <u>no more than 100 words</u>. Include a description, objective, information on the organization and the partnering agency (if any). Provide a summary of the funding request, total project/program cost, and important timelines. There is a question asking for a detailed description of the project/program in the Readiness section on page 11.

FCRTA is the transit provider for the rural areas of Fresno County and provides intra-city demand response and intercity fixed route service. FCRTA will purchase and operate (4) 23-foot BYD electric buses and 50 UV Sterilization Lights. The electric buses will be used on the demand response transit service for the rural communities in Fresno County and the UV sterilization lights will be used in daily cleaning of the entire fleet. FCRTA is requesting \$1,083,048.62 in funding and total project cost of \$1,373,048.62. Project will take approximately 15 months starting in January 2021 and completion expected by March 2022.

2. **Briefly** describe the geographic area that will be served by the project/program. *Attach an 8½ x 11 map of the service area.*

The geographic area served by the project includes a large portion of rural Fresno County outside the City of Fresno-Clovis Metropolitan Area (FCMA) that is currently served by the Fresno County Rural Transit Agency (FCRTA) transit services. The proposed project will use new electric-powered buses that will operate on the existing FCRTA Rural Transit Service. The service area that will be served by this project are the 13 incorporated cities of Fresno County--Coalinga, Firebaugh, Fowler, Huron, Kerman, Kingsburg, Mendota, Orange Cove, Parlier, Reedley, Sanger, San Joaquin, and Selma all of which are considered disadvantaged communities per the CalenviroScreen 3.0. Map of FCRTA service area is attached in Appendix A.

PROJECT/PROGRAM ELIGIBILITY - Subjective Evaluation (continued)

3. Briefly list and describe all agencies with which your eligible public agency will partner with on this project/program. (If your public agency is not partnering, then please skip to the next page.)

This information should include, but not be limited to the following:

• General business history

The proposed project is not applicable to this section.

• General experience with the development and implementation of transportation projects/programs

• Specific experience with projects similar to the proposed project/program

• Ability to deliver projects/programs in a timely manner. Provide examples.

PROJECT/PROGRAM ELIGIBILITY - Subjective Evaluation (continued)

- 4. Briefly describe the following aspects of your project/program, if applicable:
 - Consistency with the most current adopted Regional Transportation Plan & Sustainable Community Strategy (RTP/SCS). Cite applicable verbiage from the 2018 RTP/SCS and the Chapter and Page numbers where found.

Fresno COG 2018 RTP/SCS Chapter 3 Section 3.4 page 3-5, Targets for Reducing Greenhouse Gas Emissions: SB 375 requires that Fresno COG demonstrate in its SCS that GHG reduction targets will be met for 2020 and 2035. This proposed project is consistent with this section by deploying electric vehicles on routes which are zero-emission and reduce GHG emission levels.

Fresno COG 2018 RTP/SCS Chapter 3 Section 3.12 page 3-22 Transportation Strategies: The 2018 RTP/SCS calls for expanding the public transit network and providing transit service on new routes resulting in greater regional transit accessibility and connectivity. Transit expansion and improvement includes new corridors and improving existing service. This proposed project is consistent with this section by improving the existing service with new electric vehicles and providing a new route shuttling passengers from the rural inter-city routes to the Fresno County Social Services central location off Peach avenue in Clovis resulting in greater regional transit accessibility and connectivity.

• Describe how this project/program will be integrated into the member agency's circulation element of its general plan or their Complete Streets Policy.

This proposed project is already integrated into the circulation element of all 13 rural city's general plan because the transit uses are already approved and a part of the Circulation Element of the general plan; this project promotes a safe and efficient transit system that provides service to residents without access to automobiles; considers the transit needs of senior, disabled, low-income, and transit-dependent persons; and will make use of the existing circulation or road network in Fresno County while enhancing it because the proposed service will presumably save trips and take cars off the road. This project is also integrated into the 2019 Fresno County Long Range Transit Plan by FCOG as it includes FCRTA's EV transition projects and has been identified as a project that considers and improves sustainability, preservation, mobility, safety, innovation, economy health and equity and supports the long-range vision for Fresno County's public transit system.

PROJECT/PROGRAM ELIGIBILITY - Readiness (0 – 10 points)

1. Provide a detailed description of the project/program.

This project will consist of the purchase of (4) C6 Build Your Dream (BYD) electric buses and (50) UV Germicidal Sterilizer Lights. The C6 BYD electric bus is a 23-foot zero emission electric bus that has a range of 124 miles and seats 16 passengers along with 1 wheelchair position. Additional vehicle information is included in the Appendix D. The electric buses will be deployed on FCRTA's existing demand response routes in the cities of Huron, Selma, and Reedley, all of which are considered disadvantaged communities per the CalenviroScreen 3.0. One of the four buses will also be deployed on a new shuttle type route that will provide a connection from FCRTA's inter-city routes in downtown Fresno at Courthouse Park and the Amtrak Greyhound station to the new Fresno County Social Services central location off Peach Avenue in the City of Clovis. This will provide additional access for transit users from rural areas and connecting them to the FCMA area.

2. Describe the project/program work plan. This section of the application documents the current delivery phase of a project/program and the applicant's proposed schedule for implementation. For each of the project milestones or significant stage in development, applicants must list the dates that previous milestones were completed or the dates applicants anticipate completing current and/or future milestones.

The project work plan involves two main components taking place simultaneously: Purchase of (4) new BYD 23 ft electric transit buses; and purchase (50) UV Germicidal Sterilization Lights. As detailed in the Project Work Plan and Schedule document in the Appendix, the notice to proceed with the project will be issued January 2021. Ordering and manufacture of the buses will take place between February 2021 and December 2021. Delivery of the buses will take place January 2022. Dry runs with the new buses on routes will take place February 2022. Simultaneously, the UV Lights will be ordered and delivered between January 2022 and February 2022. Deployment of the buses on routes and usage of the UV Lighting will take place March 2022. A copy of the project work plan has been included in Appendix C.

3. Applicants must demonstrate the ability (staff and resources) of the agency to complete the project/program on time and within budget. Attach a project/program schedule in the appendix.

As the rural public transit agency and provider, FCRTA has extensive experience with purchasing vehicles, support infrastructure, and deploying electric vehicles on the current transit services. The agency has a history of being responsive to the transit needs of its residents in Fresno County and has expanded its transit service several times to meet evolving transit needs, currently operating a fleet of 120 vehicles. FCRTA has a long history of delivering projects/programs in a timely manner. FCRTA routinely carries out and administers a variety of grant projects using both State and Federal funds. These grant projects include the procurement and operation of transit vehicles, the installation of transit infrastructure and equipment, and transit operations. FCRTA has repeatedly shown that it usually requires only a few months lead time for the establishment of new bus services. A copy of the project/program schedule is attached in Appendix C.

Continued from Page 11, Question 1- Description of Project:

With the passage of the California Air Resources Board's (CARB) Innovative Clean Transit (ICT) rule in 2018, public transit agencies must begin transitioning to zero emission vehicles, with a requirement of 100% zero emission fleets by 2040. The new vehicles will help improve fleet reliability, reduce greenhouse gas emissions in the Fresno County region, provide a clean and quiet solution for transit, and reduce operating costs while helping FCRTA comply with the CARB's ICT rule years before it is required.

The (50) UV Sterilizer lights will be used and incorporated into the cleaning of the entire FCRTA fleet. As a result of the COVID-19 pandemic, transit agencies need to take additional precautions and extra measures to clean the vehicles and provide a safe and efficient service for passengers. The CDC and The Transportation Research Board (TRB) strongly recommend that transit facilities and vehicles be cleaned at least daily, but efforts should be focused on high-touch surfaces. Use of dry cleaning methods may cause infectious particulates to become airborne and it is recommended by the CDC that sweeping, vacuuming and other dry cleaning methods be kept to a minimum. Instead, it is recommended that other methods be used as much as possible. Ultraviolet (UV) light is another form of surface disinfecting that is now being used in many locations, including at airports, food processing plants and hospitals. UV lamps are used to kill bacteria, viruses and molds. According to APTA, New York MTA began recently using UV lights on top of pesticide methods for interior surface disinfection and a study conducted on the Russian metro system determined that UV light was up to 99 percent effective in killing the bacteria that cause staph infections in rail vehicles and on escalator handrails. The UV Sterilizer lights proposed for this project provide sterilization for an entire space and operates optimally in a space up to 323 square feet and it is mobile with a timer and motion sensor shut-off. Additional information is included in Appendix E. UV Sterilization Lights are used in many other industries such as medical but not widely used in transit, this proposed project provides an innovative alternative method of cleaning the buses to ensure safe and sanitary conditions to transit riders and the public in response to the recent and ongoing COVID-19 pandemic.

PROJECT/PROGRAM ELIGIBILITY - Environment (0 – 5 points)

1. Describe if and how the project/program will reduce greenhouse gas emissions.

By using zero-emission battery electric buses instead of gasoline vehicles for the existing transit service, the services will not increase GHG emissions or criteria pollutant emissions in the Fresno County area. Conventional vehicles with an internal combustion engine produce direct emissions through the tailpipe, as well as through evaporation from the vehicle's fuel system and during the fueling process, however battery electric buses produce zero direct emissions. Generally speaking, a typical passenger vehicle emits about 4.6 metric tons of CO2 per year, compared to an electric vehicle that does not emit any CO2. Life cycle emissions include all emissions related to fuel and vehicle production, processing, distribution, use, and recycling/disposal. For example, for a conventional gasoline vehicle, emissions are produced when petroleum is extracted from the ground, refined to gasoline, distributed to stations, and burned in vehicles. Life cycle emissions include a variety of harmful pollutants and GHGs. All vehicles produce substantial life cycle emissions are lower for electricity generation than burning gasoline or diesel. This project further minimizes vehicle life cycle emissions by using FCRTA's existing solar charging units to charge the vehicle which generate non-polluting electricity.

2. Describe if and how the project/program will improve the environment in other ways.

This project will improve the environment in other ways by reducing GHG emissions, promoting conservation and preserving the land, resources and character of Fresno County. FCRTA proposes purchasing and deploying (4) 23-foot electric buses on the existing transit services, these vehicles will have zero emissions thus working to reduce GHG emissions. By using electric buses, FCRTA is promoting conservation and helping reduce air pollution in Fresno County. Fresno County is in a non-attainment status due to the pollutants and this project will help improve air quality standards. There will be no changes to traffic patterns or rural or urban development and this project will have no significant impact on the environment or the natural character of Fresno County. FCRTA proposes purchasing (50) UV Disinfectant Lights to incorporate into the daily cleaning of all the fleet vehicles. By using UV Lights to clean the vehicles, the sterilization and disinfection process happens through the UV light and it provides rapid, effective inactivation of microorganisms through a physical process. This cleaning and sterilization method releases no harmful chemicals into the environment and provides a non-toxic, effective and environmentally friendly cleaning method for the FCRTA transit vehicles.

PROJECT/PROGRAM ELIGIBILITY - Public Benefit (0 – 15 points)

1. Describe how the project/program will impact and provide a direct public benefit to Fresno County residents that are both transit and non-transit users.

This project provides a direct public benefit to residents that are both transit and non-transit users by reducing greenhouse gases with the deployment of (4) electric buses. The deployment of (4) new electric BYD 23 foot buses on FCRTA transit routes will reduce GHG emissions or criteria pollutant emissions in Fresno County providing public benefit to transit and non-transit users. Deployment of electric buses will improve air quality and will help improve overall health of the residents living in the areas with some of the highest levels of air pollution in the country. Utilizing clean-fuel or no-emission buses can improve the quality of life for Fresno County residents and transit users while advancing more efficient transit services. By reducing air pollution through deployment of electric buses, electric buses can also deliver significant societal benefits, including avoided healthcare expenses resulting from cleaner air. Incorporating the UV Disinfectant Lights into FCRTA's existing cleaning methods provides a direct public benefit to transit users by taking an extra measure to ensure the safety and cleanliness of the buses using a method buse of the buses using a

benefit to transit users by taking an extra measure to ensure the safety and cleanliness of the buses using a method that is free of harmful chemicals and will eliminate bacteria that manual processes may miss and reduce exposure to harmful infections, pathogens and viruses such as COVID-19 for transit users.

Explain the public need for the project/program.
If applicable, attach a feasibility study for the project/program as an appendix. If one is not available, provide justification to how the public need was determined.

As a result of the recent and ongoing COVID-19 pandemic there is a great public need to incorporate and apply additional cleaning methods into the daily sanitation processes of the buses to ensure safe and sanitary conditions to transit riders and the public. A majority of FCRTA transit riders are elderly and disabled and incorporating UV Disinfection Lights into the daily cleaning protocals provides an additional disinfection method that is innovative and safe to the public.

There is a need for (4) EV buses for FCRTA based on the state requirement to transition to an electric fleet. With the passage of the California Air Resources Board's (CARB) Innovative Clean Transit (ICT) rule in 2018, public transit agencies must transition to zero emission vehicles, with a requirement of 100% zero emission fleets by 2040. The new vehicles will help improve fleet reliability, reduce greenhouse gas emissions in the Fresno County region, provide a clean and quiet solution for neighborhood transit, and reduce operating costs while helping FCRTA comply with the CARB's ICT rule years before the date it is required.

3. Describe how the project/program will improve the economic vitality of Fresno County.

Studies have repeatedly shown that transit is good for the economy. This project includes the purchase of (4) 23-foot electric buses to be deployed on the existing FCRTA intra-city demand response routes as well as a new shuttle type route that will provide a connection to the new Fresno County Social Services central location which will support the economic vitality of Fresno County by helping increase the access of people to job/educational opportunities throughout the County including residents of disadvantaged communities. Public transportation boosts local economies, by helping particularly low-income people and transit dependent passengers who are not choice riders reach places of employment and commerce that they might not otherwise be able to get to.

PROJECT/PROGRAM ELIGIBILITY - Public Benefit (continued)

4. Describe the safety/security features of the project/program.

The (4) 23-foot BYD C6 vehicles proposed for this project will each be equipped with safety vision camera systems as well as an on-board DVR recording systems to promote and ensure safety and security for passengers. The UV Germicidal Sterilization light proposed for this project are non-toxic, kills pathogens and provides an extremely effective form of disinfection without using harmful chemicals and will provide an additional sterilization method for the vehicles providing an additional safety feature towards mitigating bacteria and viruses such as COVID-19. The UV Sterilization is mobile and can be moved from vehicle to vehicle. The UV light has a digital timer which can run from 15-1440 minutes long so the driver or maintenance staff can set the timer and walk away so there is no exposure to the UV light. The UV light includes a motion sensor safety feature so if the light is in use but a driver or maintenance staff enters the bus the UV light will automatically shut off and then resume once the person has exited providing an additional safety feature for this new technology project.

5. How will the project/program improve accessibility for disabled Fresno County residents?

A majority of FCRTA's current ridership consists of disadvantaged, transit-dependent populations in rural Fresno County communities, including the elderly and disabled. Many of these residents do not have a cost effective and efficient means of reaching destinations in Fresno without an FCRTA route. Some of the vehicles on current FCRTA routes are as old as 2007 and if there is a vehicle breakdown this may cause a delay in the route causing a disabled Fresno County resident to be unable to get to their destination. By deploying the (4) 23ft BYD buses on FCRTA routes provides a new primary vehicle for that route and will result in less in-route breakdowns and improve accessibility for disabled Fresno County residents. The majority of FCRTA's current fleet are ADA equipped and the (4) 23ft BYD electric buses for this project will also be ADA equipped thus increasing accessibility in the overall fleet for disabled passengers.

6. Describe how the project/program will improve connectivity and enhance current transportation operations.

This project will improve connectivity and enhance the currently transportation operations by deploying (4) 23-ft electric buses into the current transit operations. Replacing aging buses on current routes with new BYD electric buses will improve the quality of transit service, reduce maintenance costs while increasing safety and improving connectivity. One of the four buses will also be deployed on a new shuttle type route that will provide a connection from FCRTA's inter-city routes in downtown Fresno at Courthouse Park and the Amtrak Greyhound station to the new Fresno County Social Services Central Location off Peach Avenue in the City of Clovis. This will improve connectivity and provide additional access for transit users from rural areas and connecting them to the FCMA area.

Renewing and modernizing bus fleets to cleaner technology, is always an opportunity to improve the quality of transit providing safe and efficient reliable service and reduce polluting emissions and enhance the current transportation operations. The new buses will help maintain the vehicles in a state of good repair to ensure a safe and reliable fleet.

PROJECT/PROGRAM ELIGIBILITY - Innovation (0 – 25 points)

 Identify and clearly describe the advanced technology(ies) utilized in the project/program and how the project/program utilizes advanced technology(ies) beyond the level of existing technology(ies) currently used in transit and transportation systems in widespread applications.

UV Sterilization Lights are currently used in other industries such as medical but not widely used in the transit industry. In an effort to adopt additional cleaning methods on buses as a result of the COVID-19 pandemic, UV Sterilization Lights provides an innovative advanced technology practice that can help transit agencies increase the strength of their cleaning systems, promote safety and satisfaction for passengers and incorporate this innovative technology into their current cleaning routines.

The BYD C6 electric buses proposed for this project have an innovative iron-phosphate battery which are completely non-toxic and safe even in the most extreme conditions. These vehicles have very quiet electric motors, creating no air or noise pollution and will improve the air quality wherever they operate. This technology is an opportunity to innovate in terms of vehicle and infrastructure design and bus integration in the fleet.

2. Describe if and how this project incorporates energy storage.

While the initial operation of the proposed project will be from grid supplied electricity from BYD Level 2 chargers, this project will also utilize the existing solar EV charging infrastructure to charge these electric buses as needed. FCRTA currently has 13 Envision Solar EV Arc charging stations located at the 13 incorporated cities in Fresno County and 2 Envision Solar Trees located in Coalinga and Orange Cove. The Envision Solar EV Arc and Solar Tree are solar powered EV chargers and generates enough clean, solar electricity to power up to 225 miles of EV driving in a day. The energy is stored in the EV Arc and Solar Tree and can be used for charging during the day or at night for the BYD electric buses or other electric vehicles. The energy storage provided by the EV Arc and Solar Tree includes back-up energy storage for emergency services and emergency power during a grid failure.

PROJECT/PROGRAM ELIGIBILITY - Innovation (continued)

3. If applicable, describe how a research project(s)/program(s) will further the goal of developing and deploying new and innovative ideas, practices, and approaches.

UV Sterilization Disinfectant Lights are currently used in other industries such as medical but not widely used in the transit industry. The UV Sterilization Lights will provide a critical start to the incorporation of additional cleaning methods on fleet vehicles in the transit industry that are non-toxic and do not impact air quality. Safety and cleanliness is a major health concern as a result of the recent and ongoing COVID-19 pandemic and the incorporation of the UV Sterilization Lights provide an additional innovative technology and tool that can be utilized to help enhance cleaning and safety measures on fleet vehicles. This project provides an innovative practice that can help transit agencies increase the strength of their cleaning systems, promote safety and satisfaction for passengers and incorporate this innovative technology into their current cleaning routines.

4. Explain how the project/program will provide more efficient and effective delivery of public transportation services through the use of the new technology or technological capacity improvements.

The proposed project will provide more efficient and effective delivery of public transportation services through the use of new technology by purchasing (4) 23-foot BYD electric buses and deploying these vehicles on the existing rural transit services. FCRTA currently operates both demand response and fixed route services, while there are approximately 8-10 routes currently operated with electric vehicles, there remains a number of FCRTA routes that are currently operated by older CNG or gasoline vehicles. Deploying (4) new 23-foot BYD electric buses on the existing transit routes that currently do not utilize electric vehicles provides the capacity to deliver more efficient and effective public transportation and to a greater number of transit riders through EV technology.

PROJECT/PROGRAM ELIGIBILITY - Replication & Regional Applicability (0 – 10 points)

1. Explain how the project/program has the potential for replication and/or growth in other areas of the Fresno County region.

This project includes the purchase of (4) 23-foot BYD electric buses and (50) UV Disinfectant Lights. This simple project design easily allows this project to be replicated by other transit agencies and other communities in the Fresno County region and elsewhere in California. For example, it would not be very difficult for another transit agency, like Fresno Area Express (FAX) or Clovis Transit to emulate FCRTA's project design by purchasing their own electric bus vehicles and UV Disinfectant Lights and deploying the electric vehicles on their own routes and incorporating the UV Lights into their current cleaning practices. This proposed project will produce data that will be analyzed and shared with other transit industries that includes best practices and operational performance that will assist other transit agencies in the region for the potential to replicate this project.

PROJECT/PROGRAM ELIGIBILITY - Environmental Justice Benefits (0 – 10 points)

1. Describe if and how the project/program will provide <u>health benefits</u> to disadvantaged communities.

In Fresno County, which has some of the highest GHG levels and worst air quality in the United States, a major transit system that relies on zero-emission technology and will produce limited to no GHG emissions will represent an important step in improving local health. The (4) 23-foot BYD electric buses to be purchased for this project will have zero emissions thus working to reduce GHG emissions and improving air quality whenever and wherever they operate. Pollution from auto emissions contributes to a wide variety of negative health problems such as respiratory illness and lung damage and deploying electric buses in the FCRTA fleet will help mitigate these health impacts related to pollution and GHG emissions.

As a result of the COVID-19 pandemic, additional measures need to be taken to ensure health and safety to transit riders and disadvantaged communities. The (50) UV Germicidal Sterilization lights provides an additional measure to safely sanitize the vehicles and help protect passengers and provide health benefits to disadvantaged communities. The UV Germicidal Sterilization lamps are non-toxic, kills pathogens and provides an extremely effective form of disinfection without using harmful chemicals and will improve the indoor air quality of the vehicles which will provide health benefits to disadvantaged communities in Fresno County.

2. Describe if and how the project/program will provide <u>economic and/or improved public</u> <u>services</u> to disadvantaged communities.

Public transit improvements can improve economic opportunities and reduce poverty rates. In addition to time and vehicle costs savings, public transportation provides household mobility benefits in terms of access to work, school, healthcare and/or shopping destinations. Many low-income people cannot drive due to disability, financial, or legal constraints, and those that do often have unreliable vehicles and frequently need alternative mobility options. As a result, it is unsurprising that high quality transit increases labor participation, particularly by lower-income workers. Of the communities served in this project, many of them are located in an Environmental Justice area and considered a disadvantaged community per the Calenviroscreen 3.0. These populations are defined by high levels of pollution and concentrated poverty and limited access to basic economic and health opportunities. FCRTA has long served these communities by providing public transportation services for some of the most disadvantaged and transit-dependent populations, including elderly and disabled. This project strengthens the capacity of FCRTA's existing transit service by deploying (4) 23-foot electric buses on FCRTA transit routes and will provide transit riders in these disadvantaged communities with a high quality transit option that is safe and efficient and allow residents to reach the Fresno Clovis Metropolitan Area (FCMA) easily and providing economic services through their own commerce or employment.

For more information on environmental justice areas in Fresno County, see the Fresno COG environmental justice plan found at <u>http://www.fresnocog.org/environmental-justice</u>.

PROJECT/PROGRAM MATCH FUNDING COMMITMENTS (0 – 10 points)

 Discuss the project/program funding strategy, clearly indicating total cost, authorization amounts and dates for all funding sources committed or anticipated to fully fund the project. Include a contingency plan if anticipated funding does not materialize.
Attach an electronic copy of a current audited financial statement of all agencies with which your eligible public agency will partner as an appendix to the electronic copy of your agency's application. Do NOT submit a hard copy of the audited financial statement. Additionally, do NOT submit a copy of a Fresno COG member agency's audited financial statement.

	• •			PR	OPOSED	FUNDING	G	2	
Fund No. 1:	Measure (C New Tecl	nnology						Program Code
			Propo	sed Fund	ling				
Component	Prior	20/21	21/22	22/23	23/24	24/25	25/26+	Total	Funding Agency
E&P (PA&ED)									Fresno COG
PS&E									Grant request funding for
R/W SUP									purchase of (4) BYD C6
CON SUP									electric buses
R/W									
CON			1,083,048.62					1,083,048. 62	
TOTAL			1,083,048.62					1,083,048. 62	

Fund No. 2:	Measure (C New Tecl	hnology						Program Code
Component	Prior	20/21	21/22	22/23	23/24	24/25	25/26+	Total	Funding Agency
E&P (PA&ED)									Fresno COG
PS&E									Grant request funding for
R/W SUP				-					purchase of 50 UV
CON SUP									Sterilization Lights
R/W									
CON			40,661.29					40,661.29	1
TOTAL			40,661.29					40,661.29	

Fund No. 3: Match Contribution								Program Code	
	Proposed Funding								
Component	Prior	20/21	21/22	22/23	23/24	24/25	25/26+	Total	Funding Agency
E&P (PA&ED)									FCRTA
PS&E									Match funding
R/W SUP									
CON SUP									
R/W								S A A	
CON			290,000					290,000	
TOTAL			290,000						

I certify that the information contained in the Proposed Funding table above is accurate to the best of my knowledge and that I am authorized to submit the project/program proposal for scoring and possible programming. The agency is required to identify matching funds, if any, and deliver the project as proposed within the scope and schedule specified in the application should the project be awarded funding.

Signed: Mosas Stutas

Printed Name: Moses Stites

Date: July 22, 2020

PROPOSED BUDGET FOR OPERATIONAL PROJECTS/PROGRAMS

SECTION NOT APPLICABLE: FCRTA is NOT requesting funding for operations associated with the proposed project. Operations will be funded by existing Measure C funding received by FCRTA.

PROJECT ANNUAL BUDGET:

Estimate	ed Income:	
a.	Passenger Revenue	\$
b.	Other Revenues	\$
с.	Total grants*, donations, subsidy from other agency funds	\$
тот	AL INCOME	\$
	*Not including this grant request.	
Estimate	ed Expenses:	
a.	Wages, Salaries and Benefits (non-maintenance personnel)	\$
b.	Maintenance & Repair (include maintenance salaries)	\$
c.	Fuels	\$
d.	Casualty & Liability Insurance	\$
e.	Administrative & General Expense	\$
f.	Other Expenses (e.g., materials & supplies, taxes)	\$
g.	Contract Services (specify)	\$
то	TAL EXPENSES	\$

PERFORMANCE MEASURES

1. List performance measures your agency will use to track the effectiveness of this project.

Base Statistics to collect on an annual basis:

- Passenger/Ridership Numbers
- Revenue Hours
- Revenue Miles
- Fare Revenues
- Operating Costs
- Average miles traveled per electric charge
- kWh electricity used per day
- Miles traveled per kWh
- Performance Measures:
- Passengers/revenue hour
- Passengers/revenue mile
- Cost/revenue hour
- Cost/revenue mile
- Cost/passenger trip
- Miles traveled per kWh
- Number kWh used per day
- Average fare
- Farebox recovery
 - 2. Describe how your agency will monitor, evaluate, and report on the service your agency proposes to provide.

FCRTA as part of their normal practices, policies, and procedures, constantly monitors its transit operations activities on a daily, weekly, and monthly basis. The performance measures shown above are based on ridership goals, economic viability of the transit system, GHG emissions reductions goals, energy efficiency/savings goals, and requirements by Caltrans for transit service. These performance measures are grouped into two categories: base statistics and performance measures. The base statistics are the data for which the performance measures will be measured against annually for the proposed transit service. For all of its transit operations, FCRTA already tracks data and compiles reports regarding ridership, mileage, Maintenance/Operating costs, and other activities. FCRTA will do this same type of reporting for the proposed grant activities, though additional data regarding electric usage, including miles traveled per electric charge, miles traveled per kWh, and kWh used per day will also be tracked and included in the reports.

FCRTA will also fully complete any and all grant-mandated status reports and/or updates for evaluative purposes as required on a quarterly or annual basis.

New Technology Reserve Grant Program FCRTA Project Appendix

- **Appendix A:** 8½ x 11-inch Map of FCRTA Service Area
- **Appendix B:** FCRTA Project Budget
- Appendix C: FCRTA Project Work Plan & Schedule
- Appendix D: BYD Bus Quote & Specs
- Appendix E: UV Sterilization Light Quote & Specs





Appendix B FCRTA Project Budget New Technology Grant Program

Grant Expenses

Quantity	Equipment/Infrastructure Costs	<u>Unit Cost</u>	Total Cost
4	BYD C6 Electric Bus	\$ 1,332,387.33	\$ 1,332,387.33
50	UV Sterilizer Lights	\$ 40,661.29	\$ 40,661.29
	Subtotal for Equipment and Infrastructure	\$ 1,373,048.62	\$ 1,373,048.62
	Match Funding		
	FCRTA Match for Project	\$ 290,000.00	\$ 290,000.00
	Total Grant Request		\$ 1,083,048.62
	Total Project Cost		\$ 1,373,048.62

Appendix C FCRTA Project Work Plan & Schedule New Technology Grant Program

Agency Name:	Fresno County Rural Transit Agency (FCRTA)
Project Title:	FCRTA EV & UV Project

	Project	Component	ights & 4 BYD		
Task/ Miles				Expected Start Date	Expected End Date
Task 1		Obtain Notice	to Proceed	1/1/2021	2/1/2021
Subta	isk 1	Submit signed	grant contract to Fresno COG	1/15/2021	2/1/2021
Task 2	2	Purchase, mar	ufacture & delivery of buses	2/1/2021	1/1/2022
Subta	isk 1	Order & manu	facture buses	2/1/2021	12/1/2021
Subta	isk 2	Delivery of ele	ctric buses	12/1/2021	1/31/2022
Task 3	3	Purchase & de	livery of UV lights	12/1/2021	2/15/2022
Subta	isk 1	Order UV light	s from vendor UV Cure	12/1/2021	12/10/2021
Subta	isk 2	Delivery of UV	Lights	1/1/2022	2/15/2022
Task 4	4	Test & Deploy	Electric Buses & UV lights	2/1/2022	2/28/2022
Subta	isk 1	Test vehicles c	on rural transit routes	2/1/2022	2/28/2022
Subta	isk 2	Test & train op lights	perators/mechanics on UV	2/1/2022	2/28/2022
Subta	isk 3		es into service and implement daily cleaning of fleet	3/1/2022	3/31/2022
То	otal				
mont	hs to				
comp	lete				
proje	ct: 15				

BYD Coach & Bus LLC

Build Your Dreams

Quotation

46147 7th Stree W Lancaster, CA 93534 Phone: (661)940-3250 Fax: (661)942-0587	DATE Quotation #	7/15/2020 C6 7/15/20
Quotation For:	Quotation valid until:	10/13/2020
Fresno County Rural Transit Agency	Prepared by:	Justin Scalzi

Comments or Special Instructions: None

SALESPERSON	P.O. NUMBER	SHIP DATE	SHIP VIA	F.O.B. POINT	TERMS
Justin Scalzi	None	TBD	Drive	Lancaster	Net 30

Line	Qty	Description	UNIT PRICE	То	tal AMOUNT
0010	1	23' C6M ADA	\$ 290,000.00	\$	290,000.00
0020	1	Bike Rack	\$ 1,500.00	\$	1,500.00
0030	1	BYD 40kW AC Charger with Pedestal	\$ 6,000.00	\$	6,000.00
0040	1	Safety Vision Camera System	\$ 6,037.08	\$	6,037.08
0050	1	Heat Guard Windows to Help HVAC	\$ 4,943.04	\$	4,943.04
0060					
0070					
0060		80 Hr BYD Standard Training Included.	\$		
0070		12 year 70% SOC RESS (Battery) Warranty Included	\$ -		
0080		Manuals, Special Tools, Spare Parts, Additional Training Price Upon Request	\$ -		
		Notes:		<u> </u>	
		1. Final tax rate subject to effective tac rate upon delivery			
		2. Delivery is FOB Lancaster, CA	 	ļ	
		3. If HVIP funding becomes available final cost may change			

SUBTOTAL	\$ 308,480.12
TAX RATE	7.98%
SALES TAX	\$ 24,616.71
TOTAL	\$ 333,096.83
4 Units	\$ 1,332,387.33

The BYD **C6M** BATTERY ELECTRIC • ZERO EMISSIONS 23' COACH





A New Kind of Coach

With seats for up to 16 passengers, the C6 is perfect for comfortably and efficiently moving smaller groups of people. Ideal for colleges and universities, corporations, airports, and hotels—and even adaptable to public transit. BYD's unique iron-phosphate batteries are the safest in the industry, and with a 12-year battery warranty and a nationwide network of service providers, reliability is guaranteed.

Taking care of the environment is important. And so is taking care of your bottom line. With a lower total cost of ownership versus diesel or CNG buses, you can now do both.



The BYD **С6М** 23' соасн

Dimensions

Length	23.5 ft
Width	81.1 in
Height	108 in
Wheelbase	156.8 in
Curb Weight	13,779 lbs
Gross Weight	17,300 lbs
Seats	16 + 1
Wheelchair Positions	2 on street side

Performance

Top Speed	62.5 mph
Max Gradeability	≥17%
Range ¹	Up to 124 miles
Turning Radius	26.25 ft
Approach/ Departure Angle	9°/ 9°

Chassis

Fr Re St

B

ont Axle	ZF
ear Axle	BYD in-wheel drive axle
uspension	Air suspension
rakes	Knorr front/rear brakes, ABS, Regenerative braking
res	215/75 R 17.5

Powertrain

Motor TypeAC SynchronousMax Power150 kWMax Torque550 N•mBattery TypeIron PhosphateBattery Capacity2121 kWhCharging Capacity40 kWCharging Time33 - 4 hrs

Notes:

All information based on the latest data available at the time of printing. Final specs subject to change at production.

- 1. Variables affecting range include air temperature, weather, grade, speed, driver habits and use of air conditioning and heating.
- 2. Initial battery capacity shown. May decrease with time and use.
- 3. Battery age and outside ambient temperature affect charging times.



en.byd.com

f 🔰 in 🞯

GermAwayUV Mobile UVC Surface Sterilizer with Motion Sensor Shutoff



THE ULTIMATE ROOM MOBILE UVC SURFACE STERILIZER WITH MOTION SENSOR SHUTOFF

GermAway UV has been a leading product designer in mobile sterilization units. Their devices have led the charge in killing and destroy and pathogens that exist in rooms and on hard surfaces. Once again, GermAway has innovated to improve with a new product – the Mobile UVC Surface Sterilizer with Motion Sensor Shutoff. Now you can use one of the most powerful UV-C lamps to sterilize rooms and surfaces with the security of knowing that the new addition motion sensor will act to protect you. It is suitable for use in a range of industries – schools and day-care centers, veterinary clinics, hospitals, entertainment centers and food manufacturers. These powerful UV-C rays target micro-organisms that cause illnesses such as MRSA, colds/flu, pneumonia, molds, E.Coli, Salmonella.

MOTION SENSOR SAFETY FEATURE

GermAway UV, ever mindful of not just your need for ease and efficiency but also your safety have added to this device a motion sensor.

Imagine you've set the sterilization process in motion to run for an hour on the device timer, but you've forgotten your car keys inside. Before you'd have to wait for the round to finish and lose out on what could've been a productive hour. Now you can enter the room, retrieve you keys, resume your sterilization and continue your day! Simple as that.

While we still recommend that you check the room and clear it of all pets, plants and people at least now you have the added security of knowing that if you've missed someone **the motion sensor will automatically** stop the UV-C emission immediately, protecting whoever is there! It will only resume when no further movement is detected.

If you'd like more detail on how this new motion sensor feature works why not check out instruction manual.

ADJUSTABLE LAMP ARM GIVES DUAL PURPOSE

Like the mobile surface sterilization unit before it, the central feature of this device is the UV-C the lamp arm extension with unique functionalities

- A lamp arm length reach is 36.22" for maxim ray emission and optimal scope over surfaces
- **Two UV-C high intensity lamps** with button feature that allows you to adjust V-C exposure intensity by choosing whether you want to have one or both lamps on
- The adjustable lamp arm with range of motion from 30° to 180° enables you to rest at the arm at an angle best suited to your sterilization needs
- Digital timer which can run from 15 1440 minutes long (24 hours)
With these unique functionalities this device has a practical dual purpose

1. Whole room sterilization

2. Deep surface target sterilization

Ideal if you need entire space sterilized of germs. Device can operate optimally in room up to 323 square ft. Ideal if you work in a professional in which you regularly work on one surface

EASY STORAGE

GermAway UV has also retained the best features just for your convenience. The device is still unobtrusive and easy to disassemble, manoeuvre and transport to other locations.

- Adjustable arm folds back into the chamber base
- 4 x 360° motion wheels with making it easy to move into position or transport to various rooms in your building
- Stainless steel rectangle chamber structure 12.5" x 11" x 45.5" aesthetically pleasing and durable

And because here at CureUV, we want to ensure that you can rely on our products to work we've provided two helpful features to do just that. The first is that we've included a free set of UV-C Visualizer Strips with all our GermAwayUV Surface Disinfection products. The strips change from yellow to green when exposed to UV-C rays.



PRODUCT INFORMATION				
Size	12.5" L x 11" W x 45.5" H			
Lamp Arm	36.22" L, range of motion of 30-180°, ideal for rooms up to 323 square feet			
UV-C Lamp Bulb	2 Bulbs with adjustable exposure intensity			
Digital Timer	Adjustable from 15-1440 minutes (24 hours)			
Motion Sensor	Automatic shutoff if the unit detects any motion			
4 Wheels	Easy mobility and transport with these 360° motion wheels			

Please retain this instruction manual for future use.

NEWLY ADDED FEATURES:

- Motion Sensor: added security of automatic shutoff if the device detects any motion in the room, only resuming when no further movement is detected!
- **Integrated Digital Timer:** completely digital interface with multiple timer settings ranging from 15 minutes to 1440 minutes(24 hours) for optimal control.



TIMER/DIGITAL DISPLAY

This model features an all-new digital timer display with user-friendly controls. See below to learn about the different functions:



When the unit is plugged in using the power cord, this screen will light up on the top of the unit. You will see "Timer" along with a set amount of time (ie, 30 minutes). Follow the prompts on the screen to change or start a cycle. Press A if the time set is suitable for you or C if you wish to change it. Use the keypad (pictured below) on the front side of the unit to do so.

The numbers on the keypad correspond to the timer settings that show up when you select "C" on the main menu. Press the button in the corresponding location for your desired timer length. For example, if you wanted a 45-minute cycle, press the "4" on the keypad.





SPDI dba CureUV.com

2855 S Congress Ave Suite C Delray Beach, FL 33445 1(561) 243-8442 www.CureUV.com - sales@cureuv.com

QUOTATION #D9807

Fresno County Rual Transit Agency

SHIPPING DETAILS

Janelle Del campo

2035 tulare street

California CA 93721

United States

5592336789

Suite 201 Fresno

BILLING DETAILS

Suite 201

United States

5592336789

Fresno

Janelle Del campo Fresno County Rual Transit Agency 2035 tulare street California CA 93721

CUSTOMER DETAILS Janelle Del campo Delcampo@fresnocog.org

ORDER DATE 2020-07-07

me	SKU	QTTY	TAX	UNIT PRICE	PRICE
GermAwayUV Mobile UVC Surface Sterilizer with Motion Sensor Shutoff	201082	50	0%	\$ 979.79	\$48,989.50
ORDER NOTE :		DISCOUNT:		NT:	\$ - 8,328.21
SHIPPING CARRIER : Free Shipping!			SUB TOTAL : SHIPPING : TAX (0%) :		\$40,661.29
					\$0.00
					\$0.00
	r Stell for the	an all on a line of	TOTAL:		\$40,661.29

Thank you for your valued business. We greatly value your trust and confidence and sincerely appreciate your loyalty to our business.



NOTATION OF AMERICA

Transit For All



July 22, 2020

Fresno Council of Governments c/o Peggy Arnest 2035 Tulare Street, Suite 201 Fresno, CA 93721

Dear Ms. Arnest,

Subject: Letter of Support for the Fresno County Rural Transit Agency EV-UV Project and 2020 New Technology Reserve Grant Program Proposal

The Community Transportation Association of America (CTAA) is pleased to offer this letter of support for the Fresno County Rural Transit Agency's (FCRTA) application for funding through the Fresno County Transportation Authority (FCTA) Measure C Committee New Technology Reserve Grant Program that would allow FCRTA to purchase (4) BYD electric buses and (50) UV Sterilization Lights to be deployed in rural disadvantaged communities of Fresno County.

The UV Sterilization Light will be utilized in the daily cleaning of the fleet vehicles to enhance safety and cleaning measures as a result of the COVID-19 pandemic. The BYD Electric Buses will add capacity to FCRTA routes to meet the needs of rural community residents to provide an efficient and environmentally friendly transit service while reducing toxic air contaminants. FCRTA is committed to investing in innovative technology and this project will enhance safety and efficiency as well as promote electric vehicles in rural Fresno County communities while reducing toxic air contaminants.

CTAA is impressed with FCRTA's efforts to add innovative technology in the region's disadvantaged rural communities and incorporates zero-emission electric vehicle technology and ultra-violet light technology which will improve safety, health and the environment in rural Fresno County. Our smaller transit operating members across the country will benefit greatly from what FCRTA develops and learns and we intend to help broadcast nationally the results of this key research. We support the Fresno County Rural Transit Agency EV-UV project proposal and encourages the FCTA Measure C Committee to fund this project through the New Technology Reserve Grant Program.

Sincerely,

Scott Bogren Executive Director



CITY of CLOVIS

1033 FIFTH STREET . CLOVIS, CA 93612

July 17, 2020

Fresno Council of Governments c/o Peggy Arnest 2035 Tulare Street, Suite 201 Fresno, CA 93721

Dear Ms. Arnest,

Subject: Letter of Support for the Fresno County Rural Transit Agency EV-UV Project and 2020 New Technology Reserve Grant Program Proposal

Clovis Transit is pleased to offer this letter of support for the Fresno County Rural Transit Agency's (FCRTA) application for funding through the Fresno County Transportation Authority (FCTA) Measure C Committee New Technology Reserve Grant Program that would allow FCRTA to purchase (4) BYD electric buses and (50) UV Sterilization Lights to be deployed in rural disadvantaged communities of Fresno County.

The UV Sterilization Light will be utilized in the daily cleaning of the fleet vehicles to enhance safety and cleaning measures as a result of the COVID-19 pandemic. The BYD Electric Buses will add capacity to FCRTA routes to meet the needs of rural community residents to provide an efficient and environmentally friendly transit service while reducing toxic air contaminants. FCRTA is committed to investing in innovative technology and this project will enhance safety and efficiency as well as promote electric vehicles in rural Fresno County communities while reducing toxic air contaminants.

Clovis Transit is impressed with FCRTA's efforts to add innovative technology in the region's disadvantaged rural communities and incorporates zero-emission electric vehicle technology and ultra-violet light technology which will improve safety, health and the environment in rural Fresno County.

City Manager 559.324.2060 • Community Services 559.324.2095 • Engineering 559.324.2350 Finance 559.324.2130 • Fire 559.324.2200 • General Services 559.324.2060 • Personnel/Risk Management 559.324.2725 Planning & Development Services 559.324.2340 • Police 559.324.2400 • Public Utilities 559.324.2600 • TTY-711 Clovis Transit supports the Fresno County Rural Transit Agency EV-UV project proposal and encourages the FCTA Measure C Committee to fund this project through the New Technology Reserve Grant Program.

Sincerely,

afance

Amy Hance General Service Manager City of Clovis



4270 N. BLACKSTONE AVE, SUITE 212, FRESNO, CA 93726 PH. 559.485.1416 FAX 559.485.9109

INFO@FRESNOMETMIN.ORG WWW.FRESNOMETMIN.ORG

July 22, 2020

Fresno Council of Governments c/o Peggy Arnest 2035 Tulare Street, Suite 201 Fresno, CA 93721

Dear Ms. Arnest,

Subject: Letter of Support for the Fresno County Rural Transit Agency EV-UV Project and 2020 New Technology Reserve Grant Program Proposal

Fresno Metro Ministry is pleased to offer this letter of support for the Fresno County Rural Transit Agency's (FCRTA) application for funding through the Fresno County Transportation Authority (FCTA) Measure C Committee New Technology Reserve Grant Program that would allow FCRTA to purchase (4) BYD electric buses and (50) UV Sterilization Lights to be deployed in rural disadvantaged communities of Fresno County.

The UV Sterilization Light will be utilized in the daily cleaning of the fleet vehicles to enhance safety and cleaning measures as a result of the COVID-19 pandemic. The BYD Electric Buses will add capacity to FCRTA routes to meet the needs of rural community residents to provide an efficient and environmentally friendly transit service while reducing toxic air contaminants. FCRTA is committed to investing in innovative technology and this project will enhance safety and efficiency as well as promote electric vehicles in rural Fresno County communities while reducing toxic air contaminants.

Fresno Metro Ministry is impressed with FCRTA's efforts to add innovative technology in the region's disadvantaged rural communities and incorporates zero-emission electric vehicle technology and ultra-violet light technology which will improve safety, health and the environment in rural Fresno County.

Fresno Metro Ministry supports the Fresno County Rural Transit Agency EV-UV project proposal and encourages the FCTA Measure C Committee to fund this project through the New Technology Reserve Grant Program.

Sincerely,

KR Bergthold

Keith Bergthold, Executive Director

Jacklyn Montgomery California Association for Coordinated Transportation (CALACT) 4632 Duckhorn Drive Sacramento, CA 95864

July 22, 2020

Fresno Council of Governments c/o Peggy Arnest 2035 Tulare Street, Suite 201 Fresno, CA 93721

Dear Ms. Arnest,

Subject: Letter of Support for the Fresno County Rural Transit Agency EV-UV Project and 2020 New Technology Reserve Grant Program Proposal

The California Association for Coordinated Transportation (CALACT) is pleased to offer this letter of support for the Fresno County Rural Transit Agency's (FCRTA) application for funding through the Fresno County Transportation Authority (FCTA) Measure C Committee New Technology Reserve Grant Program that would allow FCRTA to purchase (4) BYD electric buses and (50) UV Sterilization Lights to be deployed in rural disadvantaged communities of Fresno County.

The UV Sterilization Light will be utilized in the daily cleaning of the fleet vehicles to enhance safety and cleaning measures as a result of the COVID-19 pandemic. The BYD Electric Buses will add capacity to FCRTA routes to meet the needs of rural community residents to provide an efficient and environmentally friendly transit service while reducing toxic air contaminants. FCRTA is committed to investing in innovative technology and this project will enhance safety and efficiency as well as promote electric vehicles in rural Fresno County communities while reducing toxic air contaminants.

CALACT is impressed with FCRTA's efforts to add innovative technology in the region's disadvantaged rural communities and incorporates zero-emission electric vehicle technology and ultra-violet light technology which will improve safety, health and the environment in rural Fresno County.

CALACT supports the Fresno County Rural Transit Agency EV-UV project proposal and encourages the FCTA Measure C Committee to fund this project through the New Technology Reserve Grant Program.

Sincerely,

Sechlystiptenery

Jacklyn Montgomery, Executive Director

DEPARTMENT OF TRANSPORTATION DISTRICT 6 OFFICE

1352 WEST OLIVE AVENUE P.O. BOX 12616 FRESNO, CA 93778-2616 PHONE (559) 488-4057 FAX (559) 488-4195 TTY 711 www.dot.ca.gov



Making Conservation a California Way of Life

July 20, 2020

Fresno Council of Governments c/o Peggy Arnest 2035 Tulare Street, Suite 201 Fresno, CA 93721

Dear Ms. Arnest,

Caltrans District 6 is pleased to offer this letter of support for the Fresno County Rural Transit Agency's (FCRTA) application for funding through the Fresno County Transportation Authority (FCTA) Measure C Committee New Technology Reserve Grant Program that would allow FCRTA to purchase (4) BYD electric buses and (50) UV Sterilization Lights to be deployed in rural disadvantaged communities of Fresno County.

The UV Sterilization Light will be utilized in the daily cleaning of the fleet vehicles to enhance safety and cleaning measures as a result of the COVID-19 pandemic. The BYD Electric Buses will add capacity to FCRTA routes to meet the needs of rural community residents to provide an efficient and environmentally friendly transit service while reducing toxic air contaminants. FCRTA is committed to investing in innovative technology and this project will enhance safety and efficiency as well as promote electric vehicles in rural Fresno County communities.

Caltrans is impressed with FCRTA's efforts to add innovative technology in the region's disadvantaged rural communities and incorporates zero-emission electric vehicle technology and ultra-violet light technology which will improve safety, health and the environment in rural Fresno County.

Caltrans supports the FCRTA EV-UV project proposal and its funding through the FCTA Measure C Committee New Technology Reserve Grant Program. Should you have any questions, please contact me at (559) 488-4057 or at <u>Diana.Gomez@dot.ca.gov</u>.

Sincerely

DIANA GOMEZ District 6 Director

-