

PROJECT SUMMARY

Remote Teleconference Audio System

Date: October 19th, 2023
Applicant: Cameron Park Community Services District
Contact Person: Michael Grassle, Parks, and Facilities Superintendent
Address: 2502 Country Club Drive, Cameron Park, CA 95682
Telephone: 530-677-2231
Email: mgrassle@cameronpark.org

Project Description:

Cameron Park Community Services District is requesting funds from AB 2766 to install a remote teleconference audio system at the Community Center. The system will allow residents of Cameron Park remote access to all board, committee, and community meetings. The district holds over 100 meetings per year. We are confident that our proposal will achieve ongoing emission reduction for years to come.

*See attachment 8A for product cost breakdown

Estimated Emission Reductions/Cost-Effectiveness

| | |
|--|-------------|
| Useful Life of Project (years) | 20 Years |
| Total Lifetime Emissions Reduced (lbs. of ROG, NOx, PM-10) | 908 |
| Cost-Effectiveness (total project costs) | \$62.13/lb. |
| Cost-Effectiveness (AQMD Funded project costs) | \$49.70/lb. |

Budget Summary

| | AB 2766 Funds | Matching Funds | In-Kind Match | Total Project Costs |
|--------------|----------------------|-----------------------|----------------------|----------------------------|
| Materials | \$24,303.22 | \$0 | \$0 | \$24,303.22 |
| Personnel | \$0 | \$0 | \$0 | \$0 |
| Other | \$16,000 | \$0 | \$0 | \$16000 |
| TOTAL | \$40,303.22 | \$0 | \$0 | \$40,303.22 |

Attachment 2

CONTENTS CHECKLIST

Applicant:

Cameron Park Community Services District

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To be approved on November 15, 2023

RESOLUTION NO. 2023-XX
of the BOARD OF DIRECTORS of the
CAMERON PARK COMMUNITY SERVICES DISTRICT
November 15, 2023

RESOLUTION AUTHORIZING SUBMISSION OF GRANT PROPOSAL FOR AB
2766 MOTOR VEHICLE EMISSIONS REDUCTIONS GRANT, 2024-2025

WHEREAS, the Summer Spectacular event continues to grow which creates with air pollution from vehicle traffic; and

WHEREAS, the Cameron Park Community Services District (District) wishes to provide a free shuttle to the Cameron Park Lake for the Summer Spectacular event; and

WHEREAS, the District is eligible for grant funding (AB 2766 Motor Vehicle Emissions Reductions Grant 2024-2025) being offered by the El Dorado County Air Quality Management District.

NOW, THEREFORE, BE IT RESOLVED that District hereby:

1. Authorizes staff to submit a grant proposal to the El Dorado County Air Quality Management District for the AB 2766 Motor Vehicle Emissions Reductions Grant, 2024-2025, in the amount of \$40,303.22.
2. Authorizes a commitment of \$8,060.04 as matching funds for the grant proposal.

RESOLVED FURTHER, that staff be directed to file a copy of this Resolution with the El Dorado County Air Quality Management District as required by the grant procedures, and that staff is hereby authorized to take any and all actions necessary to be in compliance with the requirements of the grant.

PASSED AND ADOPTED by the Board of Directors of the Cameron Park Community Services District at a regularly scheduled meeting held on November 15, 2023, by the following vote of said Board:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST:

Director Sidney Bazett, President
Board of Directors

Jill Ritzman, General Manager
Secretary to the Board

Project Description

The Cameron Park Community Services District is made up of 5 Board of Director's and 5 committees. The district is responsible for Fire Protection and emergency services, CC&R'S, Parks, Recreation, and solid waste collection. The district hosts monthly Board of Director and Committee meetings along with weekly Architectural Review Committee meetings at the Cameron Park Community Center. The district holds a minimum of 108 meetings yearly, which includes public participation. An average of 12-15 members of the public participates depending on the agenda items. The district has experienced 80-100 members of the public at one time.

Furthermore, the Community Center is utilized by outside agencies and private parties for meetings and large conferences. El Dorado County Association of Realtors utilizes the main hall on a weekly basis. Residents and external renters have shown an increased interest in attending community meetings remotely since the COVID-19 pandemic.

The district estimates that a high-quality teleconference system will reduce the number of vehicle trips residents and participants will need travel to attend community meetings. The district believes many participants who attend public meetings would choose to attend remotely if the option were available. Every Cameron Park resident who attends public meetings travels up to 12 miles round trip. With an average of 12 participants per meeting the roadway mileage reduction could exceed 15,000 miles traveled yearly. This reduction does not consider all the other agencies and external meetings held at the Community Center.

Having smaller in-person meetings would reduce the amount of electricity and propane needed by decreasing the room size needed for public meetings. The Community Center would produce less emission overall.

Project Organization/Background

Cameron Park Community Services District has experience working with grants, including receiving the AB 2766 Motor Vehicle Emissions Reductions Grant in past years. Other examples are California State Bond Act Funding for park improvement projects of which the audits were in compliance. Contractors meet state requirements, including all prevailing wage requirements. Services contracts include all requirements including W-9 and certification of background and customer satisfaction.

The district is working with Pro Acoustics to determine the design layout and equipment needed to achieve a robust teleconference system. The district has reached out to three audio equipment companies to install the products that are purchased by Pro Acoustics.

Pro Acoustics has assisted countless organizations with commercial audio and video installations. AT&T, Hilton Hotels, and Amtrak are a few of the commercial clients Pro Acoustics has worked with. Additional information about Pro Acoustics can be found at proacousticsusa.com

| | |
|--|---------------------|
| Useful Life of Project | 20 |
| T: eliminated trips-one way/week | 33.75 Trips One way |
| L: length: miles one direction before using the teleconference /trip | 13 mi/TRIP |
| Weeks: number of operation weeks per year | 52 weeks/year |
| New auto trips (New T) | 8.4375 |
| New auto trips Length (New L) | 3.25 |

| | |
|---------------------------------------|-------------|
| Total Project Cost | \$40,303.32 |
| AB 2766 AQMD Requested Funding (CMAQ) | \$32,243.18 |
| In-Kind Match | \$8,060.14 |

| Emission Factor Input | Auto trip ends g/trip | Auto VMT g/mile |
|-----------------------|----------------------------------|--------------------|
| ROG | 0.284 | 0.058 |
| NOX | 0.16 | 0.04 |
| PM2.5 | 0.001 | 0.046 |
| CO | 1.991 | 0.67 |
| | Total Emission Reductions | |

| | |
|---|-------------|
| Annual Auto trips Reduced = $(W*(T-New T))$: | 1,316.25 |
| Annual VMT reduced= $(W*(T*L-New T*New L))$: | 21,389.06 |
| Capital Recovery Factor (CRF) | 0.07 |
| CMAQ Funding | \$32,243 |
| Total lifetime Emission Reductions(lb/yr) | 908.2414923 |

Cost Effectiveness (\$/lb) \$49.70

Total project Cost-Effectiveness \$62.13

The District holds 9 meetings per month on average, which equals 2.25 meetings per week. The average num

ay/Week

Emission
Reductions
(lb/yr)

3.56
2.35
2.17
37.34
45.41

ber of attendees and staff/board per meeting is 15. Cameron Park/Shingle Springs Residents average 6 miles

; from their home to the Community Center. The average round trip would be 12 miles

Work Statement

The following are tasks related to this project. The district will follow all internal purchasing policies and procedures.

- Work with Pro Acoustics to finalize the equipment order needed to achieve remote teleconference capabilities for all internal and external renters. Depending on the stipulations of AB 2766 the district may purchase the equipment prior to the awarding of the grant.
- Once Equipment is purchased the district will solicit bid proposals to have the equipment installed throughout the Main Hall and Social Room. The district is expecting this process to take three weeks.
- Once a contractor has been selected, we are hoping to have the teleconference system installed within two weeks of signing the contract.
- We are hopeful to implement teleconference capabilities for all internal and external customers in early 2024.

Funding Request/Breakdown of Cost

The funding requested from this grant will be used to implement and install a teleconference system at the Cameron Park Community Center. The source of funding will be grant funds with a match from the Cameron Park CSD. The funding will not be attached to specific tasks.

Below is a breakdown of the annual costs:

| | |
|--|--------------------|
| Teleconference Equipment | \$24,303.22 |
| Installation Contractor | \$16,000 |
| | |
| Total for one year | \$40,303.22 |
| | |
| Total Project Budget | \$40,303.22 |
| <i>Amount requested from grant (for two years)</i> | <i>\$32,243.18</i> |
| Matching amount from the Cameron Park CSD (20%) | \$8,060.04 |

*See attachment 8A for a breakdown of the equipment to be purchased and installed.
Quote provided by Pro Acoustics.

Matching Funds

Funds from this grant will be matched with funding out of the district General Fund or Quimby Fee's generated.



QUOTATION

Billing Address
 PO Box 880
 Hewitt, TX 76643
 Phone: 888-256-4112
 Fax: 254-698-2037










Bill to:
 Matthew Bustabade
 2502 COUNTRY CLUB DRIVE Cameron Park
 California, 95682
 United States
 T: 530-683-7091


Ship to:
 Matthew Bustabade
 2502 COUNTRY CLUB DRIVE Cameron Park
 California, 95682
 United States
 T: 530-683-7091

Quote Proposal Q10.95373-1
Date of Proposal Oct 18, 2023
Proposal valid until Nov 4, 2023 (17 days)

| |
|---|
| Shipping Method |
| Quote Shipping Proposal Price Per Item - \$1,211.14 |

| Image | Product name | SKU | QTY | Price | Subtotal |
|-------|--|--------------------------|-----|------------|------------|
| | Listen Tech LS-53-072 iDSP Prime Level I Stationary RF System (72 MHz) | LT-LS-53-072 | 1 | \$1,849.00 | \$1,849.00 |
| | Bosch CCSD-CURD CCS 1000 D Control Unit Recorder DAFS | BOSCH-F.01U.298.789 | 1 | \$1,966.05 | \$1,966.05 |
| | Bosch CCSD-DL CCS 1000 D Discussion Device with Long Microphone | BOSCH-F.01U.299.031 | 8 | \$526.66 | \$4,213.28 |
| | Pure Resonance Audio SD5 SuperDispersion Omnidirectional Drop Tile Ceiling Speaker Array with Built-In 8-Ohm/70-Volt Transformer | PRA-SD5 | 9 | \$519.99 | \$4,679.91 |
| | Outdoor Bluetooth Wall Mixer Package with Atlas Sound WTSD-MIX31K 3x1 Analog Mixer and All-Weather Security Cover <i>One wall mixer for each room location</i> | PROA-WTSDMIX31KWMSDCOVER | 3 | \$410.95 | \$1,643.80 |
| | Audix AP41 OM2 Wireless Microphone System with R41 Diversity Receiver and H60/OM2 Handheld Transmitter - Band A (522 MHz - 554 MHz) | AUDIX-AP41 OM2-A | 1 | \$509.00 | \$509.00 |

| Image | Product name | SKU | QTY | Price | Subtotal |
|---|--|-------------------|-----|------------|------------|
|  | CBI MLN-3 Performer Series Male to Female XLR Microphone Cable - 3ft | CBI-MLN-3 | 1 | \$19.52 | \$19.52 |
|  | Hosa CRA-203 Stereo Interconnect Dual RCA to Dual RCA - 9.8ft | HOSA-CRA-203 | 1 | \$11.95 | \$11.95 |
|  | West Penn 226 14/2 Non-Plenum Audio Speaker Wire (1000ft) <i>Color</i> <i>Black</i> | WP-226BK1000 | 1 | \$426.38 | \$426.38 |
|  | Gator GRC-BASE-14 14U Rack Base with Casters | GATOR-GRC-BASE-14 | 1 | \$579.99 | \$579.99 |
|  | Atlas Sound AP-S15LA 15LA Power Conditioner and Distribution Unit | ATLAS-AP-S15LA | 1 | \$175.99 | \$175.99 |
|  | On-Stage Stands RDL3000 3U Locking Rack Drawer | OSS-14224 | 1 | \$121.95 | \$121.95 |
|  | Bose VideoBar VB1 All-In-One USB Conferencing Device with 4K Ultra-HD Camera | BOSE-842415-1110 | 1 | \$1,199.00 | \$1,199.00 |
|  | Atlas Sound Atmosphere AZM8 8-Zone Audio Processor with WiFi and DSP | ATLAS-AZM8 | 1 | \$1,844.99 | \$1,844.99 |
|  | Pure Resonance Audio DA2240 Dual-Impedance 240W Rack Mount Power Amplifier | PRA-DA2240 | 3 | \$699.99 | \$2,099.97 |

| Image | Product name | SKU | QTY | Price | Subtotal |
|---|--|---------|-----|---------|----------|
|  | CBI MLN Performer Series XLR Microphone Cable <i>Length (Call for more options)</i> <i>3 ft</i> <i>Connectors</i> <i>Prep to Prep</i> | CBI-MLN | 6 | \$19.24 | \$115.44 |

Sales Engineer's Notes:

Matthew, here is the quote for the 2 zone combining conference and forum public address system. Let me know how this looks, and if you have any questions.
 Jeff@proacoustics.com
 254-651-6906

| | |
|---|-------------|
| Subtotal | \$21,456.22 |
| Shipping & Handling (Excl. Tax)* | \$1,211.14 |
| *Shipping cost are subject to change | |
| Grand Total (Excl. Tax) | \$22,667.36 |
| Tax | \$1,662.86 |
| Grand Total (Incl. Tax) | \$24,330.22 |

Thank you for choosing Pro Acoustics. We look forward to working with you.



October 19th, 2023

Air Quality Management District
330 Fair Lane
Placerville Ca, 95667

To whom it may concern:

The Cameron Park Community Services District is committed to providing a match of \$8060.04 (20% Match) for the Motor Vehicles Emission Reduction Project Grant for calendar years 2024-25. Matching funds will be contributed out of the district's General Fund or with Quimby Fee's collect and held at El Dorado County.

Sincerely,

Michael Grassle

Schedule of Deliveries/Self-Monitoring Program

Should the Cameron Park Community Services District be awarded AB 2766 grant funds, the purchase and installation of the teleconference audio/video equipment should be completed in early 2024. The district will provide Air Quality Management with a report, including a list of expenditures and equipment upon completion of the project.