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JAN 12 2018

**AQMD**

# PROJECT SUMMARY

**Applicant:** Cameron Park Community Services District  
**Contact Person:** Jill Ritzman, General Manager  
**Address:** 2502 Country Club Drive, Cameron Park, CA 95682  
**Telephone:** 530-677-2231 **FAX:** 530-677-2201  
**Email:** jritzman@cameronpark.org

## Project Description: Summer Spectacular Shuttle

Funds from this grant would be used to provide a shuttle to the annual Summer Spectacular 2018 and 2019 to reduce the number of cars traveling to Cameron Park Lake for the event, thus reducing air pollution.

Estimated Emission Reductions/Cost-Effectiveness	
Useful Life of Project (years)	2 years
Total Lifetime Emissions Reduced (lbs. of ROG, NOx, PM-10)	6
Cost-Effectiveness (total project costs)*	\$2,942
Cost-Effectiveness (AQMD Funded project costs)*	\$2,452

\* See Attachment 3 for instructions

Budget Summary	AB 2766 Funds	Matching Funds	In-Kind Match	Total Project Costs
Materials	\$	\$	\$	\$
Personnel	\$	\$	\$	\$
Other	\$2,452	\$490	\$	\$2,942
<b>TOTAL</b>	<b>\$2,452</b>	<b>\$490</b>	<b>\$</b>	<b>\$2,942</b>

**BUDGET ITEMIZATION**

Expand Table as necessary to itemize all expenditures

Line Item	Title/Classification	No. Of Hours	Salary Rate	Benefit %	Total	Total Costs
	Contracts (removal, transportation, disposal)					
		-	Transportation contract with Buckeye Union School District for two buses		\$1,620	\$2,942
		-	Drivers' time (18 hours x \$45/hour) x 2 years =		\$1,620	
		-	Mileage (9 trips at 13.8 miles at two trips per hour) (248.4 miles x \$2.5/mile) x 2 years =		\$1,242	
		-	Miscellaneous expense for driver dinner (for two drivers x 2 years) =		\$80	
	Materials & Supplies					
	Equipment Rental					
	Other Costs					

**PROJECT GRAND TOTAL: \$ 2,942**

# CONTENTS CHECKLIST

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(*Must utilize **May 2013** Emission Factors*)
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- Local TRPA Review (If Applicable) – Not applicable
- 2 Copies of Proposal

**RESOLUTION NO. 2017-19**  
**of the Board of Directors of the**  
**CAMERON PARK COMMUNITY SERVICES DISTRICT**  
December 20, 2017

**RESOLUTION AUTHORIZING SUBMISSION OF GRANT PROPOSAL FOR  
AB 2766 MOTOR VEHICLE EMISSIONS REDUCTIONS GRANT, 2018-2019**

*WHEREAS*, the Summer Spectacular event continues to grow and create problems with air pollution, traffic and parking; and

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

*WHEREAS*, the CPCSD is eligible for grant funding (AB 2766 Motor Vehicle Emissions Reductions Grant 2018-2019) being offered by the El Dorado County Air Quality Management District; and

*WHEREAS*, recognizing the need for funds to provide a free shuttle to the Summer Spectacular to reduce air pollution and ease traffic/parking issues, a grant proposal should be submitted for the AB 2766 Motor Vehicle Emissions Reductions Grant, 2018-2019.

*NOW, THEREFORE, BE IT RESOLVED* that CAMERON PARK COMMUNITY SERVICES 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, 2018-2019, in the amount of \$2,452.
2. Authorizes a commitment of \$490 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

*RESOLVED FURTHER*, that staff is hereby authorized to take any and all actions necessary to be in compliance with the requirements of the grant.

This Resolution shall take effect upon its adoption.



## Project Description

The Annual Summer Spectacular is the Cameron Park Community Services District's (CSD) largest event. It is a daylong event that features a world class fireworks display over Cameron Park Lake, music, children's fun zone, food, beverages, crafts and commercial vendors, contests and the swim lagoon is open for swimming. The fireworks show is the best in El Dorado County and draws approximately 6,500 people from the local community as well as from the Sacramento Region.

Since parking has been a continuing challenge with this event, we would like to continue the successful shuttle service that has been offered for the past two years. Satellite parking will be available at the following locations:


Green Valley Elementary School	2380 Bass Lake Road, Rescue
Marshall Medical Center	3581 Palmer Drive, Cameron Park
Light of the Hills Church	3100 Rodeo Road, Cameron Park
Cameron Park Community Services District	2502 Country Club Drive, Cameron Park

The Cameron Park CSD will contract with Buckeye Union School District for two school buses annually. The Buckeye Union School District adheres to the El Dorado County Office of Education regarding qualifications for buses and drivers. These buses will travel to the satellite parking lots once every hour starting at 2:00 p.m. and ending at 11:00 p.m. to take guests to the Cameron Park Lake. The drop-off location for Cameron Park Lake is 3221 Baron Court. Each bus seats up to 84 people. The buses will travel approximately 13.8 miles each hour for 9 hours, totaling 248.4 miles for the day.

$$\begin{aligned} \text{Bus one} & - 13.8 \text{ miles per hour} \times 9 \text{ hours} = 124.2 \text{ miles} \\ \text{Bus two} & - 13.8 \text{ miles per hour} \times 9 \text{ hours} = \underline{124.2 \text{ miles}} \\ \text{Total for one day} & = 248.4 \text{ miles} \end{aligned}$$

It is estimated that approximately 75 people per bus will utilize this service each hour for a total of 1,350 people (75 people x 9 hours x 2 buses). If there are normally an average of three people per car, this reduces 450 cars traveling to Cameron Park Lake and travelling approximately a total of 6,210 miles (450 cars x 13.8 miles).

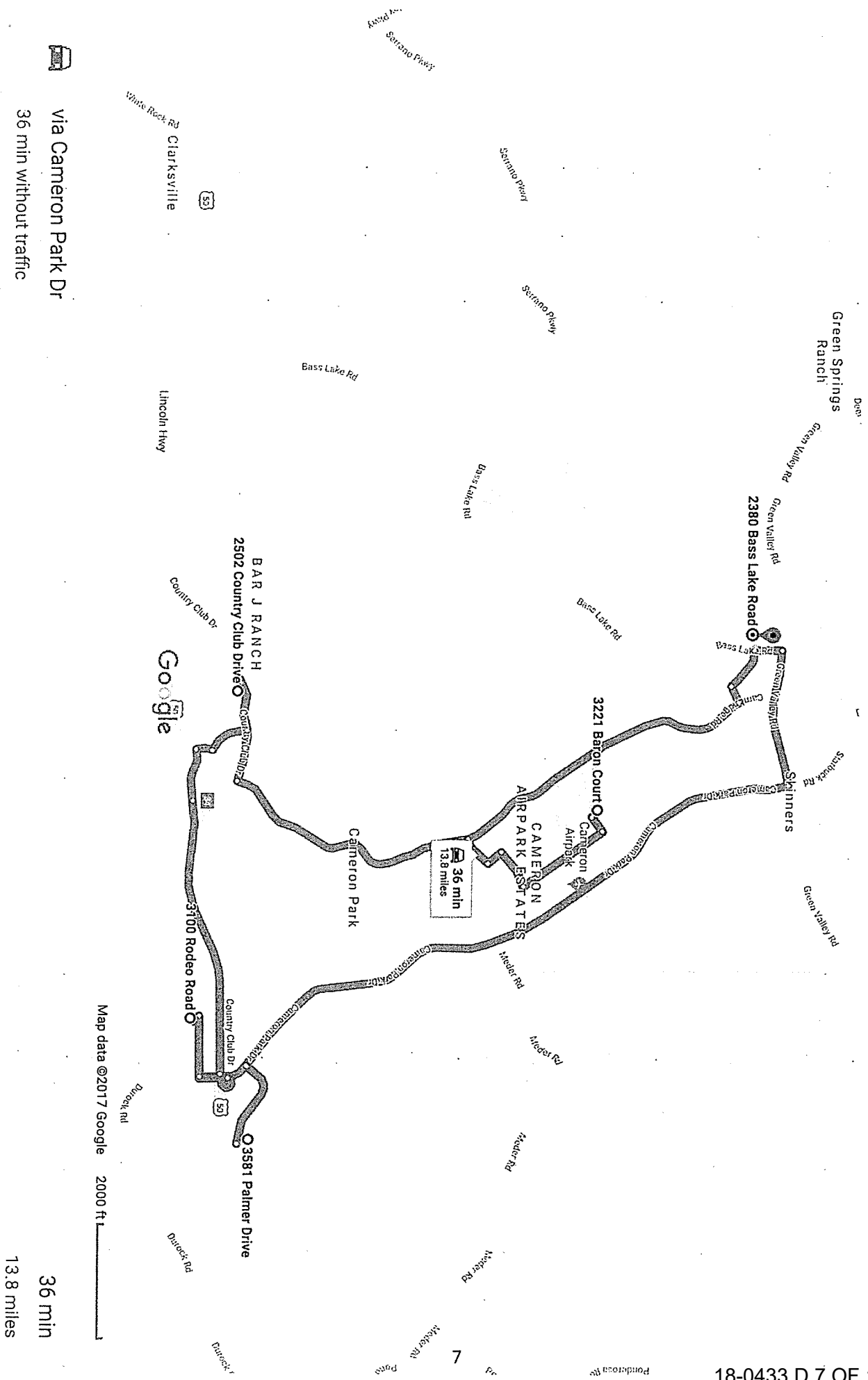
It is proposed that the Cameron Park CSD continue this service with the assistance of funding from the AB 2766 Motor Vehicle Emissions Reductions Grant 2018-2019.


Go  Maps


2380 Bass Lake Road, Rescue, CA to 2380 Bass Lake Road, Rescue, CA

Drive 13.8 miles, 36 min

Cameron Park Summer Spectacular Shuttle Schedule 2018/19



 via Cameron Park Dr  
36 min without traffic

Map data ©2017 Google 2000 ft 

36 min  
13.8 miles

## Project Organization/Background

Cameron Park CSD has experience working with grants, including receiving the AB 2766 Motor Vehicle Emissions Reductions Grant 2016-2017. Other examples are California State Bond Act Funding for Parks 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. Additionally the Buckeye Union School District, who would be the contractor for the AB 2766 Motor Vehicle Emissions Reductions Grant, requires background checks for bus drivers.

The Annual Summer Spectacular is the Cameron Park CSD's largest event. It is a daylong event that features a world class fireworks display over Cameron Park Lake, music, children's fun zone, food, beverages, crafts and commercial vendors, contests and the swim lagoon is open for swimming. The fireworks show is the best in El Dorado County and draws approximately 6,500 people from the local community as well as from the Sacramento Region.

Since parking has been a continuing challenge with this event, we would like to offer shuttle service. Satellite parking will be available at the following locations:

Green Valley Elementary School	2380 Bass Lake Road, Rescue
Marshall Medical Center	3581 Palmer Drive, Cameron Park
Light of the Hills Church	3100 Rodeo Road, Cameron Park
Cameron Park Community Services District	2502 Country Club Drive, Cameron Park

The Cameron Park CSD will contract with Buckeye Union School District for two school buses annually. The Buckeye Union School District adheres to the El Dorado County Office of Education regarding qualifications for buses and drivers. These buses will travel to the satellite parking lots once every hour starting at 2:00 p.m. and ending at 11:00 p.m. to take guests to the Cameron Park Lake. The drop-off location for Cameron Park Lake is 3221 Baron Court. Each bus seats up to 84 people. The buses will travel approximately 13.8 miles each hour for 9 hours, totaling 248.4 miles for the day.

It is estimated that approximately 75 people will utilize the bus service each hour for a total of 1,350 people (75 people x 9 hours x 2 buses). If there are an average of three people per car, this will reduce 450 cars traveling to Cameron Park Lake and travelling approximately a total of 6,210 miles (450 cars x 13.8 miles).

All advertisements regarding the shuttle will include acknowledgement that this project was funded by Air Quality Management District with AB 2766 funds.



## Shuttle Services

Subcategory: (4c) Transit Operations (new service, shuttles, fuel subsidies)

**Air District Name:** El Dorado County AQMD  
**Local Government:** Cameron Park Community Services District  
**Project Name:** Summer Spectacular Shuttle - AQMD Verification  
**Description:** Provide a shuttle service to the annual Summer Spectacular at Cameron Park Lake to reduce the number of cars traveling to this event and air pollution.  
**(Issues/Comments) Implementing Agency:** Cameron Park Community Services District  
**Private Agency:** No

### FUNDING

MV Fees Funding:	\$2,452	MSRC Funding:	\$0
Moyer Funding:	0	CMAQ Funding:	\$0
Other County Funding:	\$490		
Capital Recovery Factor:	0.52	Annual Auto Trips Reduced:	1,024
Project Analysis Period:	Two Years	Annual Auto VMT Reduced:	3,754

Annual Operating Days (D):	1	Day
Daily Ridership (R):	1,350	Trips (riders)/day
Annual Van VMT:	248	Annual miles traveled
Adjustment (A):	0.83	Factor equals the portion of riders who are NOT shuttle-dependent
Replaced Auto Trip Length (L):	4.00	Miles in one direction of trip
Adjustment (AA):	.25	Factor equals the portion of riders who drive to the shuttle service
Auto Access Trip Length (LL):	5.00	Miles in one direction of trip

### EMISSION FACTORS (using Table I of the Emission Factor Tables, May, 2013)

Auto Trip End Factors		Auto VMT Factors	Van VMT Factors
ROG	0.584 grams/trip	0.191 grams	0.03 grams
NOx	0.298 per trip	0.217 per mile	0.63 per mile
PM2.5	0.003	0.094	0.04 mile

### EMISSION REDUCTIONS

	Pounds per Year	Tons per Year
ROG	3	0
NOx	2	0
PM10	1	0
Total	6	0

### COST-EFFECTIVENESS

Motor Vehicle Fees and/or Moyer Funds	\$251.27	\$502,546
CMAQ Funds	0	0
All Funding Sources	\$301.53	\$603,356 per ton

## **Work Statement**

The following are the tasks related to this project.

### **Prior to the Summer Spectacular**

1. Establish contract with Buckeye Union School District for two buses (per year) to provide a shuttle service for the Summer Spectacular.
2. Devise of schedule of pick-up/departure times for the buses.
3. Advertise the shuttle service via newsletter, articles in local news media, website, flyers, at community meetings, and other venues.
4. All advertisements regarding the shuttle will include acknowledgement that this project was funded by Air Quality Management District with AB 2766 funds.
5. Follow up with the Buckeye Union School District to verify and confirm shuttle route and times.

### **The Day of the Event**

1. Post signs at the satellite parking locations of the schedule of pick-up times.
2. Post a sign at the final destination with a schedule of departure times.
3. Have the bus drivers track the number of people who utilize the shuttle service.

### **After the Event**

1. Obtain from Buckeye Union School District the number of people who utilized the shuttle service.
2. Ask the attendees for feedback on the shuttle service.
3. Calculate the cost effectiveness and emission reductions to those on the grant proposal.
4. Prepare a report of these measures and submit to the El Dorado County Air Quality Management District.

**Funding Request/Breakdown of Cost**

The funding requested from this grant will be used to contract with Buckeye Union School District for two buses annually for two years. 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.

Drivers' time – 18 hours x \$45/hour	\$810
Mileage (9 trips at 13.8 miles at two trips per hour) 248.4 miles x \$2.5/mile	\$621
Miscellaneous expense for driver dinner (for two drivers)	<u>\$40</u>
Total for one year	<u>\$1,471</u>
Amount requested from grant (for two years)	\$2,452
Matching amount from the Cameron Park CSD <sup>1</sup>	<u>\$490</u>
Total cost of the project for two years	<u>\$2,942</u>

**Matching Funds**

Funds from this grant will be matched with funding received from ticket sales for the Summer Spectacular. In the tickets sell for:

Advanced Sales Tickets	\$4
Tickets at the Gate	\$6

The match of \$490 will be funded from the Summer Spectacular gate revenue and general fund monies. (See letter of commitment.)

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<sup>1</sup> This amount is 16.66% of total project budget.



January 12, 2018

Air Quality Management District  
330 Fair Lane  
Placerville, CA 95667

Attention: Mr. Adam Baughman

Dear Mr. Baughman:

The Cameron Park Community Services District (CPCSD) is committed to match the funds received from the Motor Vehicle Emission Reduction Project 2018 & 2019 (AB 2766) grant for the calendar years 2018 and 2019.

Matching funds will come from tickets sales for the Summer Spectacular. Tickets sell for:

Advanced Sales Tickets	\$4
Tickets at the Gate	\$6

The match of \$490 (16.66% of total project budget) will be funded from the Summer Spectacular gate revenue and general fund monies.

Sincerely,

Jill Ritzman, General Manager  
Cameron Park Community Services District

2502 Country Club Drive  
Cameron Park, CA 95682  
(530) 677-2231 / (530) 677-2201 (f)  
[www.cameronpark.org](http://www.cameronpark.org)

**Schedule of Deliveries/Self-Monitoring Program**

The Cameron Park CSD will be contracting with the Buckeye Union School District for two of their buses to transport attendees to the annual Summer Spectacular. As part of the contract, the bus drivers will be asked to keep count of the number of riders. The Cameron Park CSD will collect this information from the Buckeye Union School District after the event.

This information will be used to calculate and compare the information in the grant proposal. A report will be created with this information and submitted to the El Dorado County Air Quality Management District.

**Timeline**

<i>Date</i>	<i>Activity</i>
<i>June 30, 2018</i>	Summer Spectacular
<i>August 6, 2018</i>	Data collected from the Buckeye Union School District
<i>August 15, 2018</i>	Report created with calculations and comparisons
<i>August 31, 2018</i>	Report mailed to the El Dorado County Air Quality Management District