

October 12, 2023

Air Quality Management District
330 Fair Lane
Placerville, California 95667
(530) 621-7578

**Subject: AB2766 Motor Vehicle Emission Reduction -
Vehicle Retrofit and Replacement - Library Bookmobile**

AQMD,

Here within is a proposal from the El Dorado County Library to purchase a fully electric bookmobile using \$215,366 of AB 2766 funds.

The bookmobile will be used to offer library services to rural and suburban areas of El Dorado County. Bookmobile services provide books, media, wi-fi hotspots, and Hub services (which connect patrons to vital resources to secure food, clothing, housing, health insurance, mental health services, and more.)

The bookmobile will visit all regions of El Dorado County, including schools and senior living facilities, outreach events and community parades, the El Dorado County Fair, National Night Out, and regularly visit the town of Grizzly Flats, where core services and ways of life continue to be impacted in the wake of the Caldor Fire.

Thank you for reviewing our application. Reducing vehicle emissions aligns with protecting and preserving El Dorado County's rural nature and natural beauty, and an electric bookmobile enables the library to further support the community by encouraging them to discover, learn, explore, and grow, through books and information.

Sincerely,



Bryce Lovell
Director of Library Services - County of El Dorado
345 Fair Lane, Placerville, CA 95667
Bryce.Lovell@edcgov.us
530.621.5546

Attachment 2

CONTENTS CHECKLIST

Applicant: El Dorado County Library

- Project Summary Sheet (Cover) – page 1 _____
- Request for Proposal Contents Checklist (Second Page) – page 2 _____
- Authorization Letter/Resolution page 3 _____
- Project Description – page 4 , 5 , 6 _____
- Project Organization/Background – page 7 _____
- Emission Benefits/Cost Effectiveness – page 8 _____
(Must utilize **December 2022 Emission Factors**)
- Work Statement – page 8 _____
- Funding Request/Cost Breakdown – page 8 _____
- Matching Funds – page 8 _____
- Schedule of Deliveries/Self-Monitoring Program – page 8 _____
- Local TRPA Review (If Applicable) – page _____
- 2 Copies of Proposal – page E n c l o s e d _____

October 17, 2023

El Dorado County Air Quality Management District
330 Fair Lane
Placerville, CA 95667

Attn: AQMD

RE: Project Name: AB2766 - Motor Vehicle Emission Reduction - Vehicle Retrofit and Replacement -
Library Bookmobile

EDC AQMD,

As department head of Library Services for the County of El Dorado, I am authorized to execute all documents required to apply for grants per El Dorado County Board of Supervisors Policy A-6. Matching funds have the possibility of coming from the library budget, or potentially the Friends of the Library.

Respectfully,



Bryce Lovell
Director of Library Services – County of El Dorado
345 Fair Lane, Placerville, CA 95667
530.621.5546

Attachment 1

PROJECT SUMMARY

Applicant: El Dorado County Library
Contact Person: Bryce Lovell, Director of Library Services
Address: 345 Fair Lane, Placerville, CA 95667
Telephone: 530.621.5546
Email: Bryce.Lovell@edcgov.us

Project Description:

This project will provide a zero-emissions vehicle which will replace a 2007 Ford E350 V8 with an odometer reading of nearly 145,000 miles, driven approximately 500 miles per month. The bookmobile will be used for library and Hub services throughout El Dorado County, including outreach and promotion.

The electric bookmobile would offer books, media, wi-fi hotspots, and Hub services, which connect our customers to basic and other needs, including food, clothing, housing, health insurance, and mental health services.

An electric bookmobile would allow the library to increase outreach and better serve the people of El Dorado County including some of our most vulnerable populations; children, youth, and those on fixed incomes.

In addition, the vehicle would allow the library to bring library and hub services to where people generally are, as they face transportation challenges, especially in rural areas of El Dorado County.

Further, the vehicle could be charged at existing El Dorado County Library locations, since nearly all of them offer electric vehicle charging, installed during a previous grant cycle.

Estimated Emission Reductions/Cost-Effectiveness	
Useful Life of Project (years)	18
Total Lifetime Emissions Reduced (lbs. of ROG, NO _x , PM-2.5, CO)	1,816
Cost-Effectiveness (total project costs)*	\$149/lb
Cost-Effectiveness (AQMD Funded project costs)*	\$186/lb

* See Attachment 3 for instructions

Budget Summary	AB 2766 Funds	Matching Funds	In-Kind Match	Total Project Costs
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Materials	\$215,366	\$53,842	\$	\$269,208
Personnel	\$	\$	\$	\$
Other	\$	\$	\$	\$
TOTAL	\$215,366	\$53,842	\$	\$269,208

BUDGET ITEMIZATION

Expand Table as necessary to itemize all expenditures

Line Item	Title/Classification	No. Of Hours	Salary Rate	Benefit %	Total	Total Costs
Personnel						
	Contracts (removal, transportation, disposal)					
		\$215,366 (AB2766 requested funds for the new ZE bookmobile)				
		\$53,842 (matching funds)				
	Materials & Supplies					
	Equipment Rental					
	Other Costs					

PROJECT GRAND TOTAL: \$ _____

Project Description/ Work Statement

This project will provide a zero-emissions bookmobile vehicle to the El Dorado County Library to be used for library and Hub services, library outreach, and library promotion. It will replace a 2007 Ford E350 5.4-liter V8, driven 400-500 miles per month, with a current odometer reading of 142, 839.

The electric bookmobile would provide books, media, wi-fi hotspots, and hub services, which connect patrons to vital resources to secure food, clothing, housing, health insurance, mental health services, and more.

The vehicle would greatly benefit the community by visiting areas throughout El Dorado County including El Dorado Hills, Cameron Park, Georgetown, Pioneer Park, Placerville, Pollock Pines, South Lake Tahoe, and Grizzly Flats, as the community desperately tries to rebuild core infrastructure and services destroyed by the Caldor Fire that occurred nearly three years ago.

Much of El Dorado County is rural, and residents can face challenges related to transportation, as well as the digital divide. By the El Dorado County Library taking the bookmobile to rural communities without a physical library building, we can create greater positive impact on the lives of some of our most vulnerable populations: children, and those of fixed incomes.

The vehicle would be featured frequently on our social media outlets that consist of 13 different accounts, further embossing the benefits of electric vehicles as it relates to the environment, especially when considering the rural and natural beauty that much of El Dorado County is known for.

The library currently does not have a full-size bookmobile that enables patrons to enter and browse print and media items. This is a missed opportunity to invoke excitement and wonder in children and others, empowering them to browse, discover, and choose items of interest on their own accord.

Through the scope of vehicle abatement and replacement our Ford E350 is an excellent candidate.

Consider:

- The proposed vehicle for replacement is 16 years old.
- The vehicle cannot make use of electric charging stations located at nearly all our library locations.
- It has a large eight-cylinder engine that consumes fuel at a rate of approximately 10 miles per gallon.
- The vehicle is in poor condition cosmetically. The clear coat and paint are failing, and there are numerous areas of rust.
- A promotional wrap installed more than a decade ago has degraded to the point of chipping off, leaving some areas bare.

Project Organization

This project will be administered by the El Dorado County Library.

Project Background

Several years ago, the library had a full-sized bookmobile that lasted over a decade. Over time, the

vehicle continued to break, and the unique parts become difficult to source since the company that built the vehicle went out of business.

More than once, parts needed to be shipped from as far away as Germany. The cost of parts and the frequency at which parts were needed made the upkeep and continued use of the vehicle fiscally unreasonable.

Without grant assistance, options for bookmobiles for the El Dorado County Library are extremely limited if unattainable altogether, and none of the options would allow for an electric vehicle. Further, the current options for a gasoline powered bookmobile do not include offerings large enough for our customers to enter and browse the collection of books and media themselves, which is greatly desired.

With an electric bookmobile there are fewer parts needed and less maintenance required. Sourcing parts is also an easier process. With an appropriately sized bookmobile customers would gain the full bookmobile experience as they could explore and select items independently.

Emission Benefits/Cost Effectiveness

If the El Dorado County Library secured an electric bookmobile, we estimate it would be driven approximately 5,000 miles per year.

Work Statement

Deliverables: Execute Agreement with AQMD.

Acknowledgement

The El Dorado County Library and EDC AQMD will work together to display a placard acknowledging AB 2766 funding on the vehicle.

Cost Estimation Breakdown

The El Dorado County Library requests \$215,366 in AB 2766 funds, with 20% (53,842) of the total project cost identified as a local match. The total project cost is \$269, 208.

Matching Funds

The matching funding will come from El Dorado County Library and Friends of the Library.

Schedule of Deliverables/Monitoring Program

Upon the contract reward, El Dorado County Library will initiate procurement of the bookmobile within 60-days. Once the El Dorado County Library has taken possession of the vehicle, quarterly reports will be created that include mileage and emissions benefits.