

Exhibit Summary Sheet

Proposing Entity: Sierra Senior Services
Contact Person: Sharon Romack, Executive Director
Address: PO Box 4152
Truckee, CA 96160
Phone: 530-550-7600 FAX: 530-587-0408 EMAIL: sharon@sierraseniors.org

Total Project Budget:

	AB2766 Funds	Co-Funding	Total Project Costs
Capital Costs	<u>\$37,800</u>	<u>\$12,575</u>	<u>\$50,375</u>
Operating Costs	0	0	0
TOTAL	<u>\$37,800</u>	<u>\$12,575</u>	<u>\$50,375</u>

Type of Project: Reduced Emission Vehicles Project

Implementation Area for Project: Eastern Nevada County

A. Estimated Emission Reductions:

Reactive Organic Gases: 19.11 Nitrogen Oxides: 22.57 PM: 9.57

B. Vehicle Miles Traveled (VMT) Reduced: 19,890

Single Occupancy Vehicle Trips Reduced: 832

C. Number of people reached per day through public education: 10,000 – 15,000

Cost-effectiveness: \$88.53 per pound

Brief Project Description:

Replace a 2008 Ford Escape and a 2011 Subaru Forester with an all-wheel drive Electric Vehicle to deliver Meals on Wheels to food insecure seniors in Eastern Nevada County each weekday. We would replace two gas powered vehicles with one electric vehicle to eliminate emissions. The vehicle will have enough cargo capacity to carry our hot packs and coolers needed to deliver the food at the correct temperatures. The vehicle will have signage on the sides that says "This Zero Emission Electric Vehicle provided by a grant from Northern Sierra Air Quality Management District" or wording of your suggestion.

REQUEST FOR PROPOSAL CONTENTS CHECKLIST

Applicant: Sierra Senior Services

Please complete and attach this checklist with your application.

- Exhibit Summary Sheet - page 1
- Request for Proposal Contents Checklist - page 2
- Authorization Letter/Resolution - page 3
- Project Description - page 4
- Project Organization/Background - page 5
- Emissions Benefits/Cost-Effectiveness - page 5/6
- Work Statement - page 7
- Funding Request/Breakdown of Cost - page 8
- Schedule of Deliverables/Monitoring - page 9/10
- All Pages Numbered
- Proposal, One Original
- (CHECK ONE ONLY)
Quantifiable Project
- OR -
- Reduced Emission Vehicles Project



Local Meals on Wheels Provider

August 12, 2021

The Northern Sierra Air Quality Management District has invited Sierra Senior Services to submit a grant proposal for the purchase of an electric vehicle for our Meals on Wheels delivery fleet. Sierra Senior Services is a private, non-profit 501 (C) 3 entity (Tax ID Number 68-0484075) who is willing to submit the application and if chosen, to accept the grant for the above purpose.

The Board of Directors of Sierra Senior Services hereby authorizes our Executive Director, Sharon Romack, to act on its behalf in this matter, to apply for and accept the grant, to sign all necessary grant applications, contracts, amendments and other required documents and to perform any and all responsibilities in relationship to the contract.

Sharon I Romack

Authorized Representative Name

8/23/21
Date

Sharon I Romack

Signature

Judy Friedman

Chairman/President of the Board of Directors Name

8/13/21
Date

Judy Friedman

Signature

Susan Duffy Smith

Secretary of the Board of Directors Name

8/20/21
Date

Susan Duffy Smith

Signature

D. Project Description

Sierra Senior Services is a nonprofit 501 (c) 3 organization established in 2001 to provide meals to seniors through the Meals on Wheels program. We provide 47,000 meals annually on a daily basis with approximately 34% of the meals going to residents of Nevada County (almost 16,000 meals). Our agency assists seniors to remain independent and in their own homes by providing them with a hot nutritious meal as well as a safety check for participants living alone since someone is seeing them regularly. The Meals on Wheels program greatly expanded during the COVID-19 crisis and demand remains high for our services. Our fleet of 6 gas powered vehicles and one electric vehicle travel close to 200 miles per day, 4 days a week. With the generous grant from the Northern Sierra Air Quality District in 2020, we were able to purchase an all-wheel drive Tesla and have reduced emissions on one route and would like to continue to move toward an all-electric fleet. Our “fuel” charges have greatly decreased for the electric vehicle as well. The need to replace the older vehicles with cleaner air vehicles is imperative. This grant would continue to move us in that direction.

Going from a gas-powered vehicle to an electric vehicle would save 100% of the emissions emitted now by the two vehicles that the electric vehicle would replace. Between the ages of the vehicles and that start and stop nature of our driving, these cars currently get about 12 miles per gallon. To go from using gas and creating emissions to a vehicle with NO EMISSIONS would help the quality of the air for all. See the chart in section F for complete details. An electric vehicle would also save us money since we would not have to purchase gas for the vehicle or worry about oil changes.

Charging stations are available throughout the town of Truckee which is where our offices are located and where the vehicle would be housed. I have received permission to use these charging stations for our needs. Since we lease the area where we house the cars, it would not be practical to install a charging station there. We are investigating moving to another site and would talk with the building’s owners about installing one at that site. There are rebates and incentives offered for buildings to install charging stations and this might be attractive to the building owners, too.

Sierra Senior Services is a well-known organization in the community and could serve as a model to other organizations who may be considering electric vehicles for their own use. The vehicle would proudly say “This Zero Emission Electric Vehicle provided by a grant from Northern Sierra Air Quality Management District” on both sides of the car and would be seen as we drive the vehicle as well as when it is parked in front of clients’ homes. I have included a copy of the press release for the Tesla purchased earlier this year at the end of the application package. The article was run by two of the newspapers in the area and posted on our social media pages.

E: Project Organization Background

Sierra Senior Services is a 501(c)(3) non-profit organization that was established in 2001 to provide daily meals to at-risk seniors 60 years of age or older living in the Truckee and North Lake Tahoe Area who are unable to shop for or prepare their own meals. This service is unduplicated in the community and provides more than a meal to isolated seniors who are often alone. The volunteer who delivers the meal also brings a warm smile and a daily wellness check to these at-risk seniors. No one is turned down for this program and as of today we have no waiting list. We are able to accommodate all who need this hot nutritious meal and friendship. We ask for contributions from participants, but they provide a very small percentage of our revenue. Grants, government funding and fundraising are our major sources of revenue.

We provide 47,000 meals annually on a daily basis with approximately 34% of the meals going to residents of Nevada County (almost 16,000 meals). The need for our services more than doubled since March of 2020 and does not seem to be declining. Seniors are still nervous about going out in general but especially for shopping. Community volunteer drivers deliver these meals driving close to 200 miles each day on 7 different routes.

Because some of our funding comes from the state of California Agency on Aging, we must keep complete records of what funding was received from the state, how it was spent and what county it was allocated to. This same record keeping would be done for funds received from the Northern Sierra AQMD. Because we would be going from higher emissions to NO EMISSIONS, it should be very easy to prepare the report on the decrease of emissions from the new vehicle!

F. Emission Benefits/Cost Effectiveness

The proposed Electric Vehicle would cover two routes totaling about 95 miles per day, four days per week for a total of 19,890 per year. These numbers are based on actual mileage of the Nevada County route that is currently covered by the cars we will be trading in. As our program grows, more clients may be added which would increase the number of miles driven each day but not the number of trip ends.

Because we are a rural area our cost-effectiveness is greater than \$10 a pound. An electric vehicle would totally cut out gas emissions for at least 19,890 miles in 2022.

Please see the following table which was completed with the help of The District.

Old Gasoline or Diesel Engine

NOx			
Miles per year	g/mile	g/year	lbs/year
19,890	0.491	9765.99	21.51
Average Trip Ends	g/trip end	g/year	lbs/year
832	0.577	480.064	1.06
Totals:			22.57

PM			
Miles per year	g/mile	g/year	lbs/year
19,890	0.218	4336.02	9.55
Average Trip Ends	g/trip end	g/year	lbs/year
832	0.008	6.656	0.01
Totals:			9.57

ROG			
Miles per year	g/mile	g/year	lbs/year
19890	0.392	7796.88	17.174
Average Trip Ends	g/trip end	g/year	lbs/year
832	1.054	876.928	1.932
Totals:			19.11

Electric Vehicle

NOx			
Miles per y	g/mile	g/year	lbs/year
0	0	0	0.00
Average Trip E	g/trip end	g/year	lbs/year
0	0	0	0.00
Totals:			0.00

PM			
Miles per y	g/mile	g/year	lbs/year
0	0	0	0.00
Average Trip E	g/trip end	g/year	lbs/year
0	0	0	0.00
Totals:			0.00

ROG			
Miles per y	g/mile	g/year	lbs/year
0	0	0	0.00
Average Trip E	g/trip end	g/year	lbs/year
0	0	0	0.00
Totals:			0.00

PM savings:	4343	9.57
ROG savings:	8674	19.11

Total Savings: 23263 g/year 51 lbs/year
 Grant Award Requested: \$ 37,800.00
 Capital Recovery Factor: 0.12 for 10 years

Cost Effectiveness: \$ 88.53 per pound

******* ONLY
 ENTER DATA
 INTO THE BLUE
 SHADED CELLS
 and PLEASE do
 not do any
 copying and
 pasting within
 the
 spreadsheet.**

G. Work Statement

Task 1 - January 6, 2022	Acknowledge grant award through press release, website and eblast to supporters.
Task 2 – January 6, 2022	Research electric vehicles equipped to drive in the mountains and snow. Equipment must include Four Wheel/All-Wheel Drive and have a cargo capacity of 34 cubic feet or more.
Task 3 – January 6, 2022	Reach out to other organizations for possible grant or a fund drive for additional funding (if needed)
Task 4 - February 15, 2022	Identify preferred makes and models. Determine availability of makes and models and price to assure there are sufficient funds available. Solicit additional funds if needed
Task 5 - March 15, 2022	Identify charging station that will be used and make arrangements with property owner to charge vehicle several times during the week at that location
Task 6 - March 15, 2022	Negotiate with dealer to purchase car
Task 7 - March 20, 2022	Register car with DMV
Task 8 - March 20, 2022	Order decals for back and sides of vehicle acknowledging how we acquired the vehicle.
Task 9 – March 30, 2022	Release press information to all local media acknowledging grant(s) that made purchase possible, introducing the new vehicle and discussing benefits of an electric vehicle over gas powered vehicle.
Task 10 – March 30, 2022	Add information to website about “Going Electric” with the vehicle and send email blast to all supporters acknowledging the grant and purchase of the vehicle.
Task 11 - April 6, 2022	Have decals installed on vehicle
Task 12 - April 13, 2022	First run with the electric vehicle

H. Funding Request/Breakdown of Cost

Task	Total Funds Needed	Funder	\$ requested from AQMD	\$ of matching funds	Type of expenditure
Task 1	0	In-kind – Volunteer	0	0	Admin
Task 2	\$500	Area 4 Grant covers Admin costs	0	\$500	Admin
Task 3	\$300	Area 4 Grant covers Admin costs	0	\$300	Admin
Task 4	\$500	Area 4 Grant covers Admin costs	0	\$500	Admin
Task 5	0	In-kind-Volunteer	0	0	Admin
Task 6	\$48,175	NSAQMD	\$37,800	\$10,375	Equipment
Task 7	\$600	Self-funded	0	\$600	Equipment
Task 8	\$200	Self-funded	0	\$200	Equipment
Task 9	0	In-kind - Volunteer	0	0	Admin
Task 10	0	In-kind – Volunteer	0	0	Admin
Task 11	\$100	Self-funded	0	\$100	Equipment
Task 12	0	In-kind – volunteer	0	0	Operating
TOTALS	\$50,375		\$37,800 (75%)	\$12,575 (25%)	

The only equipment that will be purchased is the Four-Wheel or All-Wheel drive vehicle and the identifying decals for the sides of the car. These items will be covered by the NSAQMD. Until we know what the grant will be and the cost of getting a vehicle that meets our specifications, we will not be able to identify another grantor or fundraising effort to provide the remaining funds needed for the purchase. Currently, we are estimating the cost of the vehicle to be \$48,175. The grant of NSAQMD funds will cover 75% of the cost of this project. If the grant from NSAQMD funds is less than \$20,000, we may not be able to purchase the vehicle on our timeline since another grant would have to be found for a larger portion of the cost.

I. Schedule of Deliverables/Monitoring Program

Task 1 and 2	Acknowledgment of grant award through press release, website and eblast to supporters. Research electric vehicles equipped to drive in the mountains and snow. Equipment must include Four Wheel/All-Wheel Drive and have a cargo capacity of 34 cubic feet or more.	Due January 30, 2022
Task 3 -	Reach out to other organizations or do a fund drive for additional funding (if needed)	Due February 15, 2022
Task 4	Identify preferred makes and models. Determine availability of makes and models and price to assure there are sufficient funds available. Solicit additional funds if needed.	Due March 15, 2022
Task 5	Identify charging station that will be used and plan with property owner to charge vehicle several times during the week at that location	Due March 15, 2022
Task 6	Negotiate with dealer and purchase car	Due March 20, 2022
Task 7	Register car with DMV	Due March 20, 2022
Task 8 and Task 11	Order and install decals for back and sides of vehicle acknowledging how we acquired the vehicle.	Due April 6, 2022
Task 9 and 10	Release press information to all local media acknowledging grant(s) that made purchase possible, introducing the new vehicle and discussing benefits of an electric vehicle over gas powered vehicle. Add information to website about "Going Electric" with the vehicle and send email blast to all supporters acknowledging the grant and purchase of the vehicle.	Due March 30, 2022
Task 12	First run with the electric vehicle	Due April 13, 2022

This timeline is based on AB2766 funds being granted for \$37,800 total.

The project objectives will be measured by totaling the mileage used each quarter and determining the gas emissions eliminated for those miles. At the end of the year, we will be able to see the total amount saved.

FOR IMMEDIATE RELEASE:

Executive Director Sharon Romack

April 5, 2021

sharon@sierraseniors.org

Sierra Senior Services Goes Electric!

Truckee, CA – Volunteers for Sierra Senior Services, based out of Truckee, CA, are driving a Tesla Model Y electric vehicle on some of their delivery rounds for Meals on Wheels. The organization is proud to begin the turnover of its fleet to electric vehicles with this first vehicle made possible by a grant from the Northern Sierra Air Quality District.

Sierra Senior Services provides meals to seniors in Truckee and North Lake Tahoe through the Meals on Wheels program. This year has seen tremendous growth in the need for these meals and the need for additional vehicles was apparent as we added 4 new routes. Our fleet of 8 gas powered vehicles traveled over 47,000 miles in the past year and fuel costs kept increasing! The Tesla Model Y offers all-wheel drive and plenty of cargo space to hold the containers of meals to be delivered with no more gas guzzling!

Taking even one gas powered delivery vehicle off the road will reduce emissions and help protect our environment from the greenhouse gasses usually emitted by vehicles using gas. It will also bring down the annual cost of operating the vehicle. Electricity for re-charging the vehicle costs pennies compared to the rising cost of gas.

The generous grant from Northern Sierra Air Quality District was approved to be used in 2020 but purchase of the Tesla was delayed because of the COVID-19 crisis. As meal delivery stabilized, Sierra Senior Services moved ahead with the purchase and the vehicle was delivered. Sierra Senior Services is excited to begin the transition to sustainable energy vehicles.

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Sierra Senior Services provides meals that empower seniors to continue living independently. Since 2001, Sierra Senior Services has served at-risk individuals 60 years and older in the Truckee/North Lake Tahoe area, providing home-delivered meals four days a week. Caring and dedicated community volunteers bring food and friendship, along with a daily wellness check, to isolated seniors. Sierra Senior Services serves an area encompassing 860 square miles and which includes residents in Truckee, Eastern Placer, Eastern Nevada and Washoe, Nevada Counties.