

NORTHERN SIERRA AIR QUALITY MANAGEMENT DISTRICT

Headquarters

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NORTHERN SIERRA

AIR QUALITY MANAGEMENT DISTRICT

BOARD OF DIRECTORS

REGULAR BOARD MEETING

MONDAY

October 24, 2016

NORTHERN SIERRA AIR QUALITY MANAGEMENT DISTRICT
BOARD OF DIRECTORS REGULAR MEETING

October 24, 2016

1:00 p.m.

(Site A) VIDEOCONFERENCE/TELEPHONE CONFERENCE

Northern Sierra Air Quality Management District (Headquarters)

200 Litton Drive, Conference Room 316

Grass Valley, California

AND

(Site B) VIDEOCONFERENCE/TELEPHONE CONFERENCE

Northern Sierra Air Quality Management District (Northern Office)

257 E. Sierra Street, Unit E

Portola, California

All items on the agenda may be acted upon by the Board of Directors. No action will be taken nor discussion held at the meeting on business not appearing on the posted agenda.

I. Standing Orders:

Call to Order.

Roll Call and Determination of Quorum.

II. Public Comment: For Items **NOT** Appearing on the Agenda and Within the Jurisdiction of the Board. The Public May Comment on Agenda Items As They Are Discussed.

III. Consent Calendar These Items Are Expected to Be Routine and Noncontroversial. They Will Be Acted on By the Board at One Time Without Discussion. Any Board Member, Staff Member, or Interested Party May Request That an Item Be Removed From the Consent Calendar for Discussion.

A. Approval of Regular Meeting Minutes – June 27, 2016

B. Approval of the Term Renewal of Hearing Board member: Greg Margason

IV. Administrative Report

A. Discussion and Adoption of the AB2766 DMV Surcharge Proposals for 2016/2017

B. End of Year Report for FY 2015/2016

C. Carl Moyer Status Report

D. Ratification of Signed Carl Moyer Contracts – Grant Agreement between Northern Sierra Air Quality Management District and Don Wallace of Wallace Ranches

E. Certified Public Accountant Support

V. Director's Report

A. Update on Portola Federal PM2.5 Nonattainment Area

- B. Support letter for Plumas County Fire Safe Council
 - C. Tree Mortality
- VI. **Concerns of Board** - The Board may at this time bring up matters it wishes to discuss at the next Board Meeting, as long as no discussions are conducted and no actions are taken, in compliance with the Brown Act.
- VII. **Schedule next Meeting** – November 28, 2016 via video and/or teleconference
- VIII. **Adjournment**

PERSONS DESIRING TO ADDRESS THE BOARD

Meetings of the Board of Directors shall be conducted by the Chairperson in a manner consistent with the policies of the District. The latest edition of Robert's Rules of Order, Revised shall also be used as a general guideline for meeting protocol. District policies shall prevail whenever they are in conflict with Robert's Rules of Order, Revised. All Board meetings shall commence at the time stated on the agenda and shall be guided by same.

PUBLIC COMMENT:

Provisions for permitting any individual or group to address the Board concerning any item on the agenda of a special meeting, or to address the Board at a regular meeting on any subject that lies within the jurisdiction of the Board of Directors, shall be as follows:

Three (3) minutes may be allotted to each speaker and a maximum of fifteen (15) minutes to each subject matter;

No boisterous conduct shall be permitted at any Board meeting. Persistence in boisterous conduct shall be grounds for summary termination, by the Chairperson, of that person's privilege of address.

No oral presentation shall include charges or complaints against any District employee, regardless of whether or not the employee is identified in the presentation by name or by another reference which tends to identify. All charges or complaints against employees shall be submitted to the Board of Directors under provisions contained in District Policy 1030.

Willful disruption of any of the meetings of the Board of Directors shall not be permitted. If the Chairperson finds that there is in fact willful disruption of any meeting of the Board, he/she may order the room cleared and subsequently conduct the Board's business without the audience present. In such an event, only matters appearing on the agenda may be considered in such a session.

After clearing the room, the Chairperson may permit those persons who, in his/her opinion, were not responsible for the willful disruption to re-enter the meeting room.

Duly accredited representatives of the news media, whom the Chairperson finds not to have participated in the disruption, shall be admitted to the remainder of the meeting.

Members of the public are given the opportunity to address the Board of Directors directly at each teleconference location.

POSTING AGENDA:

This agenda was posted at least 72 hours prior to the regular meeting at the following locations: Eric Rood Government Center in Nevada City, The Plumas County Courthouse in Quincy, the Litton Building in Grass Valley, the Plumas County Board of Supervisors Chambers in Quincy, Sierra County Courthouse Square in Downieville, and the Nevada County Library in Nevada City. **The agenda and board packet are available on-line prior to the Board Meeting at www.myairdistrict.com**

To: Northern Sierra Air Quality Management District Board of Directors
From: Gretchen Bennett, Air Pollution Control Officer
Date: October 24, 2016

Agenda Item: III.A

Agenda Description: Approval of regular meeting minutes – June 27, 2016

Issues:

The meeting minutes from the last Board of Director's meetings is attached.

Requested Action:

1. Approval of Regular meeting minutes from June 27, 2016

ROLL CALL VOTE REQUESTED

Attachments:

1. Draft meeting minutes from June 27, 2016 – to be distributed to Board members prior to Board Meeting

To: Northern Sierra Air Quality Management District Board of Directors

From: Gretchen Bennett, Air Pollution Control Officer

Date: October 24, 2016

Agenda Item: III.B

Agenda Description: Approval of the Term Renewal of Hearing Board Member Greg Margason (Engineering Position)

Issues:

The Air District's Hearing Board is composed of five members: a lawyer, a doctor, an engineer, and two public members. The Hearing Board serves various functions: It has sole authority to grant a variance, allowing a company to continue operating in violation of a District rule while the problem is being corrected; it can hear requests for appeal of decisions rendered by the APCO, either from industry or a private citizen; it can issue abatement orders; and revoke a source's permit.

The following current Hearing Board member has agreed to serve another three year term:

Greg Margason (Engineer) was originally appointed on January 24, 2011.

Requested Action:

1. Approve or deny the renewal of term for Greg Margason as the Engineer position from October 24, 2016 to October 24, 2019.

ROLL CALL VOTE REQUESTED

Attachment: Current Hearing Board Member list

NORTHERN SIERRA AIR QUALITY MANAGEMENT DISTRICT HEARING BOARD

APPOINTED TERM

Tim Corkins (Public)	2/23/04	2/23/07
Z.A.P. Manufacturing, Inc.	3/8/07	3/8/10
12086 Charles Drive	01/25/10	01/25/13
Grass Valley, CA 95945	10/22/12	10/22/15
(530) 272-8855	9/28/15	9/28/18
Joseph Reynolds (Law)	10/08/97	10/08/00
P.O. Box 3862	12/14/00	12/14/03
372 W. Main Street	11/24/03	11/24/06
Quincy, CA 95971	9/25/06	9/25/09
	10/26/09	10/26/12
	9/24/12	9/24/15
	9/28/15	9/28/18
Fred Hock (Public)	12/14/00	12/14/03
3371 Springwood Circle	11/24/03	11/24/06
Lake Almanor, CA 96137-9705	9/25/06	9/25/09
Home (530) 596-3872	01/25/10	01/25/13
Office/Fax (530) 596-3245	10/22/12	10/22/15
	9/28/15	9/28/18
Tina Venable, RN, PHN III (Medical)	01/25/10	01/25/13
270 County Hospital Road, Suite 111	10/22/12	10/22/15
Quincy, CA 95971	9/28/15	9/28/18
Office (530) 283-6330		
Fax (530) 283-6110		
tinavenable@countyofplumas.com		
Greg Margason (Engineer)	1/24/11	1/24/14
276 Katherine Street	11/25/13	11/25/16
Quincy, CA 95971		
(530) 283-0686		

UPDATED 9/28/15

To: Northern Sierra Air Quality Management District Board of Directors
From: Gretchen Bennitt, Air Pollution Control Officer
Date: October 24, 2016

Agenda Item: IV.A

Agenda Description: Discussion and Adoption of the AB2766 DMV Surcharge Proposals for 2016/2017

Issues:

The District received the project proposals presented in the attachments. Project proponents were requested to attend today's meeting to respond to any questions from the Board.

Requested Action:

1. Listen to presentation from grantees, consider approval of proposals

ROLL CALL VOTE REQUESTED

Attachments:

1. Ranking and Discussion of FY 2016-2017 AB2766 Projects
2. Spreadsheet - AB2766 Available Funds 2016-2017 Cycle
3. Individual Project Proposals

FY 2016-2017 AB2766 Ranking and Discussion of Projects

District staff have evaluated all submitted projects. Since the Board approved that the FY 16/17 allocation for Plumas County be transferred to the Portola PM2.5 nonattainment mitigation fund, there were no applicants for the Plumas portion. There is one applicant for the \$5,760 available for projects in Sierra County and there are 7 applicants for the \$195,932 available for projects in Nevada County. The funding requests by the Nevada County applicants totals \$646,716.

All projects are listed from high to low ranking, based on scoring criteria listed in the FY 2016-2017 RFP.

1. **Applicant:** Nevada County Library
County: Nevada
Total AB2766 Funding Requested: \$20,600
Co-Funding: \$7,106
Cost Effectiveness: \$0.87 / lb
Brief Summary: Funding will be used to reduce trips to all local branches by expanding use of internet access to downloadable e-books and audio books. The library is proposing to purchase 500 such books. (Pages 12-18)
2. **Applicant:** Town of Truckee
County: Nevada
Total AB2766 Funding Requested: \$195,932
Co-Funding: \$1,907,989
Cost Effectiveness: \$16.02 / lb
Brief Summary: Funding will be used to provide transit service on a year-round basis on Highway 267 between Kings Beach and Truckee. (Pages 19-28)
3. **Applicant:** Incorporated Senior Citizens of Sierra County
County: Sierra
Total AB2766 Funding Requested: \$5,670
Co-Funding: \$48,000
Cost Effectiveness: \$32.99 / lb
Brief Summary: Funding will be used to support the operations of the Senior Vanpool Services Program. The program provides transit services for disabled. pages 29-34

and/or senior residents in Sierra County. This program has received funding for the last seven years.

4. **Applicant:** Nevada County IGS and Facilities Management
County: Nevada
Total AB2766 Funding Requested: \$125,000
Co-Funding: \$117,500
Cost Effectiveness: \$17.08 / lb
Brief Summary: Funding will be used to replace two old diesel generators with one new natural gas generator. The new generator will provide all necessary power for the Eric Rood Administrative Center during power outages. (Pages 35 - 40)

5. **Applicant:** Superior Court of California, Information Technology
County: Nevada
Total AB2766 Funding Requested: \$40,000
Co-Funding: \$37,338
Cost Effectiveness: \$68.95 / lb
Brief Summary: Funding will be used to install a Telephonic Appearance System. This system will allow case litigants and/or lawyers to use their telephones to call directly into the courtroom, thus avoiding the need to make a personal appearance. This system should reduce vehicle miles travelled to and from the courthouse. Page 41 - 44

6. **Applicant:** Hansen Bros. Enterprises
County: Nevada
Total AB2766 Funding Requested: \$35,700
Co-Funding: \$14,000
Cost Effectiveness: \$61.20 / lb
Brief Summary: Funding will be used to replace 7 recalled Cleaire Longmile Diesel Particulate Filters (DPFs) previously installed as required by the California Air Resources Board. Page 45 - 50

7. **Applicant:** Tahoe Truckee Unified School District
County: Nevada
Total AB2766 Funding Requested: \$129,481
Co-Funding: \$32,370
Cost Effectiveness: \$67.26 / lb Pages 51 - 56

Brief Summary: Funding will be used to replace 10 failing DPFs currently installed on 10 school buses. The new DPFs will provide a verified 85% reduction in diesel particulate matter and reduce carbon monoxide emissions by 90%. Current DPFs provide no carbon monoxide reductions.

8. **Applicant:** Nevada County Dept. of Public Works

County: Nevada

Total AB2766 Funding Requested: \$100,000

Co-Funding: \$10,000

Cost Effectiveness: \$85.43 / lb

Brief Summary: Funding will be used to install four (4) DPFs on 4 heavy duty equipment vehicles. Additionally, the two snow plow trucks will be equipped with auxiliary cab & engine heaters which should reduce non-productive idle time by 40%, thereby reducing engine emissions by 40%.

Page 57-64

AB 2766 Allocation for Grants from CY 2015 Revenue \$ 216,336 <--- this amount to be disbursed during CY 2017

Source of DMV Funds by Area (2015 Census Data, <http://www.dof.ca.gov/research/demographic/reports/estimates/e-2/view.php>)

Nevada County	81.1%
Plumas County	16.3%
Sierra County	2.6%

FY 2015-2016 Allocations

	Allocation	Funds Remaining From Prev. Cycle	Funds Unspent From Projects	Allocation for Each Area
Nevada County	\$ 175,426.54	\$ 11,931.00	\$ 8,574.22	\$ 195,931.76
Plumas County	\$ 35,238.98	\$ 139.00		\$ 35,377.98
Sierra County	\$ 5,670.48			\$ 5,670.48
Total:	\$ 216,336.00	\$ 12,070.00	\$ 8,574.22	\$ 236,980.22

Current as of:
1/1/2017

Applicant's Name	PROJECT / PROGRAM DESCRIPTION	COUNTY	Funds Proposed	Funds Granted	AB2766 Contract #	Funds Expended	Funds Remaining
Nevada County Library	Purchase downloadable audio books and e-books	Nevada	\$ 20,600			\$ -	\$ -
Hansen Bros. Enterprises	Cleaire Diesel Particulate filter replacement, total of 7	Nevada	\$ 35,700			\$ -	\$ -
Superior Court of California, Information Technology	Purchase and installation of Telephonic Appearance System	Nevada	\$ 40,000			\$ -	\$ -
Nevada County Information and General Services / Facilities Management	Replace 2 diesel generators with one natural gas generator	Nevada	\$ 125,000			\$ -	\$ -
Nevada County Dept. of Public Works	Retrofit 4 vehicles with diesel particulate filters	Nevada	\$ 100,000			\$ -	\$ -
Tahoe Truckee Unified School District	Replace 10 failing Horizon Diesel Particulate Filters	Nevada	\$ 129,481			\$ -	\$ -
Town of Truckee	Year round transit between Kings Beach and Truckee	Nevada	\$ 195,932			\$ -	\$ -
Total:			\$ 646,713	\$ -		\$ -	\$ -

Difference between funding allocations and proposed projects: \$ (450,781) \$ 195,932 <-- these will be the carryover funds for next cycle

	Plumas	\$ -	\$ -			\$ -	\$ -
Total:		\$ -	\$ -			\$ -	\$ -

Difference between funding allocations and proposed projects: \$ 35,378 \$ 35,378 <-- these will be the carryover funds for next cycle

Incorporated Senior Citizens of Sierra County	Funds used to sustain existing services for senior vanpool	Sierra	\$ 5,670			\$ -	\$ -
Total:			\$ 5,670	\$ -			\$ -

Difference between funding allocations and proposed projects: \$ 0 \$ 5,670 <-- these will be the carryover funds for next cycle

	Funds Proposed	Funds Granted	Funds Expended	Funds Remaining
TOTALS:	\$ 652,383	\$ -	\$ -	\$ -

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EXHIBIT SUMMARY SHEET

Proposing Entity (include other participating entities): Nevada County Library System

Contact Person: Laura Pappani

Address: Madelyn Helling County Library, 980 Helling Way, Nevada City, CA 95959

Phone #: (530) 265-7078 **FAX #:** (530) 265-9863 **EMAIL:** Laura.Pappani@co.nevada.ca.us

Total Project Budget:

	AB 2766 Funds	Co-Funding	Total Project Costs
Capital Costs	\$ 0.00	\$ 0.00	\$ 0.00
Operating Costs	\$ 20,600.00	\$ 7,106.00	\$ 27,706.00
TOTAL	\$ 20,600.00	\$ 7,106.00	\$ 27,706.00

Type of Project: (check one)

- Quantifiable Project
 Reduced Emission Vehicles Project



Implementation Area for Project: Check if District-wide

Describe the Implementation Area for the Project (e.g. city, county, region):
County of Nevada

Estimated Emission Reductions:

- A. Emission Reductions (lbs/yr)
Reactive Organic Gases 1359.1314 Nitrogen Oxides 1050.0698 PM₁₀ 500.2377
- B. Vehicle Miles Traveled (VMT) Reduced 1,003,183
Single Occupancy Vehicle Trips Reduced 74,656
- C. Number of people reached per day through public education: The Library will provide marketing materials for customers at each of 5 branch library circulation desks. It will also advertise the service through the Library's page on the County website, through announcements in the paper and the Friends of the Library newsletters, as well as in pieces on local radio shows.

Cost-effectiveness: \$ ~~7.29~~ per pound (AB 2766 Funds Only)

\$ 0.85 / lb

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Brief Project Description:

The Nevada County Community Library proposes purchasing 500 downloadable audio books and e-books for Nevada County residents, reducing their need to drive to a physical library, as well as renewing its subscription to OneClickdigital.

The Nevada County Library has had available for users a digital materials platform called LibrarytoGo, a version of the platform OverDrive, since January 2011. The platform and materials are collaboratively shared between 27 northern California libraries within the NorthNet Cooperative Library System. The Library also has a platform for travel and other non-fiction books through Gale and would like to increase the number of books available as well as the currency of the books that are there, particularly travel books.

Using grant funds, the Nevada County Library will increase its purchase of downloadable audio books and e-books by 500 items in the 2017 calendar year. The Library purchases materials for the LibrarytoGo platform either as pooled resources with the other twenty-six libraries or as an item that is just for Nevada County residents. The grant funds would be used for materials only for Nevada County residents, reducing waiting lines on popular items and ensuring the Nevada County will see the impact of reduced emissions. They would also be used for e-books on the Gale platform, which is only accessible to Nevada County library card holders.

Both the LibrarytoGo and the Gale platforms support a wide range of audio and e-book reading devices. All of the major applications are compatible with LibrarytoGo, including the Barnes & Noble Nook, Amazon's Kindle, and Apple's iPad and iPod. Users can also simply download materials to a stationary computer or laptop. Library users have embraced the Nevada County Library's digital holdings and to increase the amount of materials available would allow more users to visit the library virtually instead of physically.

Through OneClickdigital, library users enjoy access to close to 5000 downloadable audiobooks. OneClickdigital offers unlimited simultaneous access to most of their materials.

REQUEST FOR PROPOSAL CONTENTS CHECKLIST

Applicant: Nevada County Library

Please complete and attach this checklist with your application.

Exhibit Summary Sheet – pages 1-2

Request for Proposal Contents Checklist - page 3

Authorization Letter/Resolution - page 4

Project Description – pages 5-7

Project Organization/Background – pages 7-8

Emissions Benefits/Cost-Effectiveness – pages 8-9

Work Statement – pages 9-10

Funding Request/Breakdown of Cost – pages 10-11

Schedule of Deliverables/Monitoring – page 12

All Pages Numbered

Three Copies Of Proposal Plus One Original

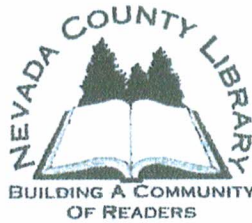
(CHECK ONE ONLY)

Quantifiable Project

- OR -

Reduced Emission Vehicles Project

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NEVADA COUNTY LIBRARY

www.mynevadacounty.com/nc/library
library.reference@co.nevada.ca.us

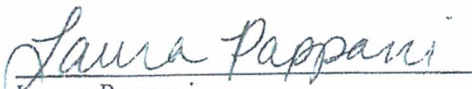
September 9, 2016

Northern Sierra Air Quality Management District
Attn: Joe Fish
PO Box 2509
Grass Valley, CA 95945

SUBJECT: Authorization for the Nevada County Library System to submit a formal grant proposal for the use of AB 2766 DMV Surcharge funds for the 2016-2017 grant period on behalf of the County of Nevada

BACKGROUND: The Nevada County Library System is submitting a formal grant proposal to offer library patrons a more full collection of digital materials in eBook and downloadable audio book form. The Library currently shares a platform for many of these materials, LibraryToGo, with 27 other library jurisdictions in addition to purchasing additional materials just for Nevada County residents. The Library also has its own Gale platform for non-fiction ebooks. With AB 2766 funding, the Nevada County Library would purchase an additional 300 items for the LibraryToGo platform, 200 travel and non-fiction books for the Gale platform, and renew our annual subscription to OneClickdigital, which offers unlimited simultaneous access to the majority of its downloadable audiobook titles. The Library received a grant from the NSAQMD in the 2014-2015 funding year cycle for expanding their digital content; this new grant would allow us to continue that work. The grant proposal amount is for \$20,600.

AUTHORIZATION: I hereby authorize the submittal of the Nevada County Library's formal grant proposal to the NSAQMD for the use of AB 2766 DMV Surcharge Funds for the 2016-2017 grant period.



Laura Pappani
County Librarian
County of Nevada

9/9/16
Date

D. PROJECT DESCRIPTION

The Nevada County Library proposes to use \$20,600 in AB 2766 grant funds to reduce air pollution emissions from motor vehicles by reducing library user's trips to the five circulation branches of the County Library System. This project will increase the amount of offerings to the public on the LibraryToGo digital materials service platform in which library patrons can download downloadable audio books or eBooks onto their computer or other device, as well as on the Gale ebook platform and the OneClickdigital audiobook platform. LibraryToGo, Gale, and OneClickdigital allow the user to access library materials without ever setting foot in a branch library. Instead they can search and find materials, as well as check them out and return them, all from the comfort of their home or office.

The Nevada County Library has been part of the NorthNet Library System LibraryToGo cooperative since January of 2011. In the five and a half years since the start of the program, interest and desire for the service and materials has only grown. In the first month of the program, 76 items were checked out by patrons. In June 2016, 2,761 items were checked out in a single month.

The Nevada County Library is the recipient of a 2015-2016 AB 2766 grant which allowed for the purchase of additional titles for the LibraryToGo platform and the renewal of the OneClickdigital ebook service. By the end of the granting cycle, approximately 450 LibraryToGo titles will have been purchased. The Library believes that by funding this project for an additional year, additional vehicle mileage and trips will continue to be reduced and vehicle emissions will be further lowered.

Within the LibraryToGo platform, there are many different types of collections available to the user. eBooks are available in PDF format, Kindle format, and Adobe EPUB. The collected system pools its funds to purchase materials that are available for users from all 27 library entities. The LibraryToGo platform also links to the Project Gutenberg Books which are in public domain and available to anyone interested. Downloadable audio books are available in MP3 or WMA format. Individual libraries can also purchase additional titles that are just for use by their library jurisdiction; this is what the Nevada County Library did with previous rounds of AB 2766 funding and what it proposes to do with the current round if approved.

Materials found within these purchased digital collections are only available to checkout to one person at a time, much the same as a physical book would only be available to go home with one person at a time. Wait lists are created and when a digital item is 'returned,' it is then made available to the next person on the wait list. With total titles of more than 6,000 titles, the LibraryToGo collection is growing at a steady pace but still does not have enough quantity of materials to satisfy the growing need of its many users. Circulation has steadily tended towards a higher usage of eBooks over audiobooks. The collection is comprised of about 65% purchased eBook and about 35% purchased downloadable audio book. The cost for eBooks and downloadable audio books is on the rise; eBooks average \$45 on LibraryToGo and \$15 on Gale, while downloadable audiobooks average about \$70 on LibraryToGo. This is an average figure, though, as some publication companies increase the cost of new materials to as high as \$85 for a new eBook.

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The Library proposes to purchase 500 new digital books for Nevada County cardholders with this grant request. The request would allow the Library to purchase 200 ebooks and 100 downloadable audio books from LibraryToGo, 200 travel and non-fiction ebooks for the Gale platform, and an annual subscription to OneClickdigital. Current and new library patrons would be able to use more and newer materials through all of these services, reducing the need to drive to and from one of the five circulating branches of the Library system.

With the current system available for digital materials, library users would never have to drive to one of the physical locations for the use of digital materials. They can check out materials for up to two weeks as well as being able to place themselves in the wait list for materials that are not currently available. They can receive an email notification when their materials are ready for them. The materials are usable on the majority of popular devices such as iPads, iPods, Kindles, Nooks, and Sony E-Readers as well as being usable on the basic computer, laptops, and tablets.

Nevada County Library will be using the California Air Resources Board's Method for Finding Cost Effectiveness of Funding Air Quality projects-2005 Edition, "Telecommunications" section to determine the amount of emissions that will be reduced by eliminated trips to County Libraries. The 2010 emissions factors are used in this process.

Internet services are important for Nevada County Library users because of our rural nature and challenging geography. The County spans 900 square miles with a population of 98,766 according to the federal 2010 census. Nevada City is the county seat and together with Grass Valley and Truckee comprises the three incorporated areas. There are nine unincorporated areas county-wide, and elevations from sea level to 9,000 feet. Almost 70% of the population lives outside of incorporated areas while the Town of Truckee is composed of the highest number of town inhabitants numbering close to 16,000. County libraries are strategically placed and include the Madelyn Helling County Library, Grass Valley Library—Royce Branch, Truckee Library, Doris Foley Library for Historical Research in downtown Nevada City, the Penn Valley Station Library in the Wildwood Shopping Center in Penn Valley and the Bear River Station Library located at the Bear River High School in South Nevada County.

The objective of this project is to continue to provide quality library service and materials to the people of Nevada County while reducing air pollution emissions from motor vehicles. The Library believes that that objective can be obtained through the increased purchase of digital materials.

Scope of Work

The five circulating branches of the Nevada County library system contain collections of varied materials including books, audio books, magazines, music CDs, DVDs, and other groups of items. There are approximately 180,000 items in the collections that are catalogued (not including honor books and some un-catalogued archival collections as the Doris Foley Library for Historical Research). During the last full fiscal year 2015-2016, there were 657,134 circulations of materials. Circulation of digital books and downloadable audio books was 1,348 for the 2010/2011 fiscal year, 8,545 for the 2011/2012 fiscal year, 14,243 for the 2012/2013 fiscal year, 21,451 for the 2013/2014 fiscal year, 27,402 for the 2014/2015 fiscal year, and 30,980 for the 2015-2016 fiscal year.

The mission of the Nevada County Library System is “to encourage a community of readers and lifelong learners by providing access to information, materials, and technology that enrich, inform, entertain and empower our County’s diverse population.” Over and above that statement, the Nevada County Library Technology Plan Vision Statement says in part that, “We believe that through the use of technology, the library will be able to:

- Facilitate access to information and progress toward goal achievement for our patrons and staff while utilizing internet and library services.
- Make the library a primary source of information for our community.
- Provide staff and the public with new technology of proven success in other libraries and organizations.”

It is always the goal and belief of the Nevada County Community Library system to provide both materials and services to the people of Nevada County in both the manner and the format that they need. The grant funding will be used to purchase an additional 500 specific downloadable audiobooks and ebooks and make thousands more ebooks available through OneClickdigital. The Nevada County Library will put forward in-kind funds for the \$3,431 platform continuation fee as well as in-kind funded staff time to purchase and catalog the digital items, to publicize the new items and the program itself, to provide help to members of the public both in one-on-one sessions with staff as well as general help over the phone and through the website, and to oversee, track and report on the program to the Northern Sierra Air Quality Management District.

A. PROJECT ORGANIZATION/BACKGROUND

The Nevada County Library System was established in 1972 and provides public library services to the entire County. Prior to 1972, Nevada City and Grass Valley had libraries that were under the jurisdiction of the respective city governments. The Truckee Library was established in 1970 by community members and became part of the Nevada County Library System in 1972.

The Madelyn Helling Library is the main branch of the system and is located in the Rood Government Center which was opened in 1991. The Nevada City Library became the Doris Foley Library for Historical Research at that time and is currently a local history and genealogical resource managed by the Friends of the Nevada County Libraries. In 2002, the Nevada County Library opened the Penn Valley Station Library and the Bear River Station Library. The Stations act primarily as pick-up points for library users who request library materials online to be sent to the patron’s closest library to home or work. Additionally, the Bear River Station is a joint-use facility which is operated by County staff as the public library after school hours and on Saturdays. This collection benefits students during school hours as well.

Library materials move throughout the County as library patrons place requests from the online catalog accessible at www.mynevadacounty.com/nc/library. Library users also browse individual collections in person and may obtain materials that are not part of the library collection through the Library’s interlibrary loan program. The Library has expert Librarians who serve the Nevada County community by providing reference services, selecting appropriate library materials and promoting reading activities through adult and children’s programs. Library staff is dedicated to providing library materials in formats dictated by library users.

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The Nevada County Library has successfully managed a similar project over a five-year period. The Library was awarded an AB 2766 grant for the 2011-2012, 2012-2013, 2013-2014, 2014-2015, and 2015-2016 cycles to purchase additional materials for the LibraryToGo platform and annual subscriptions to OneClickdigital. The Library has tracked expenses, prepared reports, designated staff to take on tasks, and promoted the program. The Library has either met all goals to date or is going to meet them by the end of the granting cycle.

The County Librarian will manage this project by delegating to others the work of selection and cataloging materials. Library staff members who are Librarians have been trained in ascertaining the needs of library users and regularly inquire of users what books and library materials would be of use to them. Several Librarians and Library Technicians work together to make sure that digital choices lead to a well-rounded and well-used collection. A Library Technician is assigned to monitor usage and report on statistics. The expected life of a digital book in the Nevada County Library System is 5 years.

The County Librarian will provide the estimates of emissions reductions for our proposal and final report with help from the County's Information Systems Department staff and Library Technicians. The Library's VERSO catalog contains a host of statistical data regarding use of library materials from which best guess data estimates will be gathered regarding one way mileage trips by patrons to nearby libraries. With more library materials offered online, more library patrons will be able to "shop" the library from the comfort of home instead of driving to the library. Staff will then utilize the Air Resources Board "Method for Finding Cost Effectiveness" database and manual to compute emissions reductions and project cost effectiveness.

F. Emission Benefit/Cost Effectiveness

The Nevada County Library grant project is seeking to reduce the number of visits by library users to any of the five circulating library locations. This reduction will occur by offering an increase in digital materials through LibraryToGo, Gale, and OneClickdigital. The Library has been using the LibraryToGo platform since January 2011 and has seen the reduction of library visits for people who prefer using library materials instantaneously from their home or office. As more and more library users start supplementing their physical materials needs with digital materials, or supplanting physical material needs entirely with digital, physical trips to and from the library will continue to diminish.

Project Assumptions

Formulas used to calculate the estimated emission reductions from the project, and the related factor tables, are taken from the California Air Resources Board (ARB) "Methods to Find the Cost-Effectiveness of Funding Air Quality Projects." The same source is used to determine the cost-effectiveness of this project. (See Appendix A: Emission Calculations and Assumptions.) Calculating annual emissions reductions for this digital book project was based upon how many miles to and from a particular branch library location a library user traveled. Library patron counts were retrieved from July 26, 2008 through July 26th, 2011, giving a three year spread of users. The total database of users was 26,214. The addresses for each cardholder were plotted using Geographic Information System techniques to show how far each user lived from his or

her closest library (out of the five circulating locations). This resulted in an average number of miles per trip to a local library in Nevada County of 2.97 miles. (See Appendix B)

Two one-way trips for each patron were used in calculations. This is because for physical materials, a user needs to both visit the library to pick up an item and again to return the item. In the last year (July 2015-June 2016), the current Overdrive LibraryToGo collection resulted in 30,980 circulations to Nevada County Library patrons checking out a collection of approximately 6,600 titles. This is a 13.1% increase over circulations for the previous year (July 2015-June 2016). Projecting another 13.1% increase forward to July 2017, we forecast that the number of circulations for the 2016-2017 year will total 35,038, which is a circulation factor of 4.40. If 450 new titles are added with the current circulation factor of 4.40, there would be an additional 2,200 new checkouts, bringing a year's total to 37,238. This would result in 74,656 one way trips reduced. With an average trip one way to the library of 2.97 miles, this would result 221,194 first year miles saved. Assuming that the 500 digital books purchased in this project were retained for 5 years, we also assumed a reduction in circulations for each book of 5% per year. This assumption led to the calculations of 5 years of annual auto trip reductions and emissions reductions.

Emissions Summary

Detailed calculations of the emissions reductions are included in Appendix A of this document. A summary of the 5-year project is given below:

Annual Auto VMT Reduced	1,003,183
Annual Emission Reductions, based on Table 3, 2010 emission factors, double the Annual Auto Trips and round-trip miles.	
Annual Emission Reduction - ROG (lbs/year)	1359.1314
Annual Emission Reduction - Nox (lbs/year)	1050.0698
Annual Emission Reduction - PM10 (lbs/year)	500.2377
Total Emissions reduction (All) (Lbs/year)	2909.4388
Cost-Effectiveness of Funding Dollars (dollars/lb)	\$7.29

G. Work Statement

Beginning January 1, 2017 and ending December 31, 2017, grant funds will be used to:

- Purchase 300 downloadable library books from LibraryToGo/OverDrive for use by Nevada County Library patrons. Library staff will place orders on a monthly basis so as to provide LibraryToGo titles regularly.
- Purchase 200 travel and non-fiction ebooks for the Gale platform
- Renew the Library's subscription to OneClick Digital, a service that provides downloadable audiobooks to library users.

Co-funding (In-Kind) funds will be used for ongoing:

\$3,431 annual membership in OverDrive's LibraryToGo NorthNet consortium plan.

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- Development of the collection of newly purchased digital books to meet user expectations. A team of Librarians and Library Technicians will review materials, select titles, and complete all purchasing of OverDrive and Gale materials.
- Cataloging of new digital materials including adding catalog entries to the Nevada County Library online catalog accessible through the County website. Library Technicians retrieve cataloging records from the LibraryToGo and Gale databases and modify records, if necessary, to provide optimal ease of search for Nevada County library users in accessing the LibraryToGo, Gale, and Nevada County Library online catalogs.
- Marketing of new purchases through the County website and providing flyers and press releases. A Library Assistant (II or III) will be assigned to the majority of this task with the Departmental Administrative Assistant I helping with press releases. Marketing will include regular radio and newspaper advertising beyond the initial press release. All marketing will include public acknowledgement that the project was funded by the NSAQMD.
- Providing technical support to library users accessing LibraryToGo, Gale, and OneClickdigital is crucial and handled specifically by the Library Technicians at the Madelyn Helling Library. Additionally, all library staff are required to help library patrons use LibraryToGo, Gale, and OneClickdigital on a basic level and do so in the course of their work. It is important that library users have a positive outcome when learning the new technology. This technical support is offered through both one-on-one training sessions, impromptu help at the front desk, calls to support lines in the library's Technical services department, as well as inquires for help through the library's email.
- Tracking of grant expenditures and providing reports will be taken care of by the Accounting Technician and County Librarian.
- Monitoring and evaluating the use of LibraryToGo, Gale, and OneClickdigital. OverDrive, Gale, and OneClickdigital, in conjunction with library staff, will track the use of both downloadable eBooks and Audio Books on a monthly basis to determine the circulation of these library materials.

H. Funding Request/ Breakdown of Costs

Funding for the digital book project consists of the requested \$20,600 in AB 2766 grant funds and \$7,106 in matching in-kind funds for a total project cost of \$27,706. Grant funds will cover the entire cost of purchasing 500 digital books for the LibraryToGo and Gale collections and the annual subscription to OneClick Digital. Co -funds will be used for membership in the OverDrive LibraryToGo program, staff labor costs, and marketing materials. This grant project will need many different staff and classifications to work on different pieces. There will need to be approximately 20 hours of collection development, completed by a team of Librarians and Library Technicians. There will need to be approximately 20 hours of cataloguing, to be completed by the two administrative Library Technicians as the Madelyn Helling Library. 10 hours of marketing the collection, both on the website and in the branches, will be worked on by Library Assistants at step levels II and III. Additionally, 10 hours of tracking and reporting will be completed by the County Librarian and the Accounting Technician and roughly 80-100 hours of technical support will be offered by classifications of all kinds at the front desk.

The Nevada County Library will track the expenditures of grant funds and in-kind funds using the County's FinPlus accounting program which allow our Accounting Technician to track expenditures using unique project codes.

Grant:

LibraryToGo/OverDrive digital books	\$16,000.00
Gale digital books	\$3,000.00
OneClick Digital subscription	\$1,600.00
Total Grant Funds	<u>\$20,600.00</u>
 Co-funding	
Platform costs:	\$3,431.00
In-kind staff labor:	
Collection Development, Librarians and Library Technicians	\$700.00
Cataloging, Library Technicians	\$450.00
Marketing of Collection: Library Asst. II/III	\$155.00
Flyer production and distribution, Dept. Administrative Asst.	\$200.00
Administrative project management, County Librarian,	
Accounting Tech	\$ 950.00
Technical Support, various staffing levels	\$1,220.00
 Total Co-Funding (including platform costs)	 <u>\$7,106.00</u>
 Total Project Cost	 <u>\$27,706.00</u>

If this grant request cannot be fully funded, an alternative funding level would still allow for the purchase of additional digital titles, but at a lesser level. In kind costs would be reduced in kind for collection development, cataloguing, and accounting but would remain level for reporting and tracking as well as marketing.

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Schedule of Deliverables/Monitoring Schedule

TIME-LINE OF TASKS

Task	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Selecting and Purchasing downloadable books	X	X	X	X	X	X	X	X	X	X	X	X
Catalog downloadable books with links from online catalog	X	X	X	X	X	X	X	X	X	X	X	X
Marketing Activities on the Use of the County Website to Obtain Downloadable Books	X	X	X	X	X	X	X	X	X	X	X	X
Press Release and Radio Spots				X					X			
Friends of Libraries Newsletter Article					X							X
Create flyers and distribute	X	X	X	X	X	X	X	X	X	X	X	X
Post information on website regarding availability of digital book program courtesy NSAQMD and monthly "new book" lists	X											
Survey library users on website including satisfaction with product/ease of use trips saved to library/ and selection of materials							X					X
Use data for reports						X						
Monitoring and Evaluating the Program	X	X	X	X	X	X	X	X	X	X	X	X
Track number of circulations of downloadable materials	X	X	X	X	X	X	X	X	X	X	X	X

Item	Funding Percentages (East-West)				
	Year 1	Year 2	Year 3	Year 4	Year 5
NSAQMD Grant					
Grant Year: 2017					
Department Name: Library					
Grant Name: Digital Book Project					
	Funding Percentages (East-West)				
	Year 1	Year 2	Year 3	Year 4	Year 5
	20%	20%	20%	20%	20%
Grant Funding Amount	\$20,600	\$4,120	\$4,120	\$4,120	\$4,120
In-Kind Funding amount	\$0	\$0	\$0	\$0	\$0
Total Project Funding amount	\$20,600	\$4,120	\$4,120	\$4,120	\$4,120
	Trip Percentages (East-West)				
Effectiveness Period (LIFE)	1 yr				
Weeks	52.00				
Days (includes holidays/may need to adjust)	280.00				
Capital recovery factor (3%)	1.03				
Average Miles per trip (one-way)	0.00				
New vehicle trips generated	0				
Annual Total Visits reduced (Round-trip)	37,328				
Average Auto Emissions Factors (ARB 2010 figures from table 3A, Year 1)					
ROG - Commute trip end factor (grams/trip)	1.016				
ROG - Auto VMT factor (grams/mile)	0.273				
NOx - Commute trip end factor (grams/trip)	0.461				
NOx - Auto VMT factor (grams/mile)	0.320				
PM10 - Commute trip End factor (grams/trip)	0.016				
PM10 - VMT factor (grams/mile)	0.221				
Annual Counter Visits Reduced (visits/year)	37,328	0	0	0	0
Annual Auto Trips Reduced (one-way) (trips/year)	74,656	74,656	70,923	67,377	60,808
Annual Auto VMT Reduced	1,003,183	221,728	210,642	200,110	180,599
Annual Emission Reductions, based on Table 3, 2010 emission factors, double the Annual Auto Trips and round-trip miles.					
Annual Emission Reduction - ROG (lbs/year)	1359.1314	300.4016	285.3815	271.1124	244.6790
Annual Emission Reduction - Nox (lbs/year)	1050.0698	232.0914	220.4868	209.4625	189.0399
Annual Emission Reduction - PM10 (lbs/year)	500.2377	110.5649	105.0366	99.7848	90.0558
Total Emissions reduction (All) (Lbs/year)	2909.4388	643.0578	610.9050	580.3597	523.7745
(Cost-Effectiveness of Funding Dollars (dollars/lb)	\$7.29	\$6.60	\$6.95	\$7.31	\$8.10

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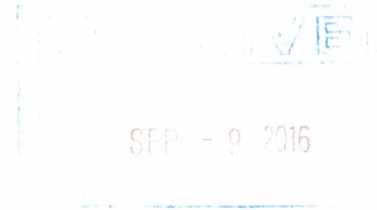
Appendix B: Average Distance to Library Locations

	Avg# of Items Per Year	Avg # Visits Per Patron Per Year (using Avg of 5 items Per Visit)	Avg # Rounded Visits Per Patron Per Year	# of Total Trips to Library for all Patrons (using 4 trips for each check-out)	Closest Library	Average Distance to Library (Miles)	Total # of Miles Driven
Average yearly # library items checked-out per year per patron	26.33	5.27	5	179,236	Grass Valley Library	2.65	475,738
	22.17	4.43	4	59,487	Truckee Library	3.40	202,248
	30.76	6.15	6	129,699	Madelyn Helling Library	3.02	392,100
	22.86	4.57	5	56,833	Penn Valley Library	1.93	109,552
	19.65	3.93	4	39,964	Bear River Library	3.59	143,607
					AVERAGES:	2.97	264,649

ORIGINAL

EXHIBIT SUMMARY SHEET

Proposing Entity (include other participating entities): Town of Truckee
Participating Entities: Placer County and Tahoe Truckee Airport District



Contact Person: Kelly Beede, Administrative Analyst II, Town of Truckee

Address: 10183 Truckee Airport Road, Truckee, CA 96161

Phone #: 530-582-2489 FAX #: 530-550-2343 EMAIL: kbeede@townoftruckee.com

Total Project Budget: Three-year funding request

	AB 2766 Funds	Co-Funding	Total Project Costs
Capital Costs	\$ _____	\$ _____	\$ _____
Operating Costs	\$195,932	\$1,907,989	\$2,103,921
TOTAL	\$195,932	\$1,907,989	\$2,103,921

Type of Project: (check one)

Quantifiable Project

Reduced Emission Vehicles Project

Implementation Area for Project: Check if District-wide

Describe the Implementation Area for the Project (e.g. city, county, region):
Hwy 267 serving the communities of North Lake Tahoe and Truckee

Estimated Emission Reductions:

A. Emission Reductions (lbs/yr)

Reactive Organic Gases: 569 Nitrogen Oxides: 629 PM₁₀: 270

B. Vehicle Miles Traveled (VMT) Reduced: 590,917

Single Occupancy Vehicle Trips Reduced: 26,860

C. Number of people reached per day through public education: 144

Cost-effectiveness: \$47.20 per pound (AB 2766 Funds Only)

\$16.01

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Brief Project Description: The Town of Truckee, Placer County and Truckee Tahoe Airport District have partnered to provide transit service on a year-round basis on Highway 267 between Kings Beach (North Lake Tahoe) and Truckee. Prior to this partnership, the service was provided only during the winter months, leaving 250 days without transit service between these regions. This project is estimated to provide an additional 35,957 one-way passenger trips equating to the reduction of 590,917 vehicle miles traveled and 26,860 one-way vehicle trip reductions. The total estimated annual cost of providing the additional 250 days of service is \$622,000. The estimated cost of the additional service operated within Truckee is \$250,000 with Placer County funding 50 percent of the Truckee service area cost, and the Town and Airport District sharing equally the remaining cost of \$125,000 (or \$62,500 each annually plus three percent annual increase for inflation). The estimated marketing costs of the service totals \$79,307 annually with the Town's portion estimated at \$2,807.

Grant funding will be used as the Town's contribution to provide year-round service on Highway 267. The additional 250 days of service will provide a lifeline between the North Lake Tahoe and Truckee communities increasing access to social and medical services, employment opportunities, educational resources, enrichment and wellness programs, and to basic necessities such as grocery centers.

Placer County and the Airport District are providing co-funding for the increased transit service on Highway 267. Along with the Town's contribution, the co-funding supports all the aspects of operating the additional 250 days of service including fuel and maintenance of the buses, and costs associated with drivers and dispatch.

This project will significantly reduce vehicle miles traveled in private automobiles helping to reduce the carbon footprint in our region and improve air quality.

REQUEST FOR PROPOSAL CONTENTS CHECKLIST

Applicant: Town of Truckee

Please complete and attach this checklist with your application.

Exhibit Summary Sheet - pages 1-2

Request for Proposal Contents Checklist - page 3

Authorization Letter/Resolution - page 4

Project Description - page 5

Project Organization/Background - pages 5-6

Emissions Benefits/Cost-Effectiveness - page 6

Work Statement - page 6

Funding Request/Breakdown of Cost - page 7

Schedule of Deliverables/Monitoring - pages 7-8

EXHIBITS – Exhibit 1 Resolution 2016-48 – pages 9-10; Exhibit 2 Technical Appendix Emissions Calculations – page 11; Exhibit 3 Town/Placer County Agreement – pages 12-20

All Pages Numbered

Three Copies Of Proposal Plus One Original

(CHECK ONE ONLY)

Quantifiable Project

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Authorization Letter/Resolution

The Town Council of the Town of Truckee (Town) will adopt Resolution 2016-48 on September 13, 2016 authorizing the submittal of this grant proposal to the Northern Sierra Air Quality Management District (District) and naming the Town Manager as the authority to execute the grant agreement and all matters relating to the agreement between Town and District (see Exhibit 1).

Town of Truckee
10183 Truckee Airport Road
Truckee, CA 96161-3306
Kelly Beede, Administrative Analyst II
(530-582-7700)

Authorized Signing Authority:
Tony Lashbrook, Town Manager
530-582-7700
tlashbrook@townoftruckee.com

Program Manager/Primary Contact:
Kelly Beede, Administrative Analyst II
530-582-2489
kbeede@townoftruckee.com

Project Description

The Town of Truckee seeks funding to support the operation of year-round transit service on Highway 267 between Kings Beach (North Lake Tahoe) and Truckee in partnership with Placer County and Truckee Tahoe Airport District. Transit service along this important regional corridor has been limited to winter only (115 days). The Annual Unmet Transit Needs Hearings have identified that the lack of year-round service on Hwy 267 causes barriers to the transit dependent population in accessing employment opportunities, medical and social services, and educational/enrichment programs.

This project models the Town's commitment to environmental conservation and public health. Providing this important regional link between North Lake Tahoe and Truckee to residents and visitors on a year-round basis promotes reducing local and regional vehicle emissions through improvements to transportation systems management and operations. This service will help mitigate congestion and provide a significant regional public benefit through improved air quality and reduced greenhouse gas production.

This project will be operated by Placer County under an agreement with the Town and Airport District. Transit service will be provided generally between the hours of 7:00 A.M. and 6:00 P.M. on hourly headways serving the communities of North Lake Tahoe and Truckee. Educational materials and schedules will be developed and distributed throughout the communities and to regional employers and social service agencies, among others. This collateral will include information that the service is grant funded in part by the Northern Sierra Air Quality Management District.

Placer County owns and maintains a fleet of 15 ADA accessible buses (both CNG and diesel) that can carry up to 70 passengers (35 seated and 35 standing) at their facility located on Cabin Creek Road in Truckee. Placer County has existing software to track ridership and will be providing required reports related to performance of the service.

Project Organization/Background

The Town of Truckee is an incorporated Municipality that is creating the best future for the community at the highest level of public service – every day. The Town accomplishes its goals in partnership with the Town's citizens and fellow governmental agencies. Since incorporation in 1993, the Town has been providing quality transit service to the community for over 20 years.

In rural areas such as ours, collaboration and partnerships are key to the success of our regional programs and services. Placer County is the agency that will be operating the transit service under this project. Placer County has over 20 years of experience operating public transit in our region and is fully staffed to operate services under this project.

The Town has partnered with Placer County on other services including year-round service on Hwy 89 between Tahoe City and Truckee, and to operate regional airport shuttles, and winter skier shuttles.

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Technical capabilities for preparing estimates of emissions reduction for both the proposal and reporting include estimated and actual vehicles miles traveled by the transit buses. Placer County will track and report this information to the Town, which is industry standard and part of our operating contract.

The Town's accounting software is a fund accounting system and capable of tracking costs by funding source and project task and would include a balance budget sheet where expenditures would be logged according to task. The project would be assigned an object code to track expenditures of the grant and project over the life of the transit program funded by the grant. The Town has the capability to manage multi-year grant revenue.

Emissions Benefits/Cost Effectiveness

Using the *Methods to Find the Cost-Effectiveness of Funding Air Quality Projects – May 2005 Edition* to estimate vehicle reductions it was determined that the following vehicle emissions would be reduced through implementation of this project (per the calculations and assumptions in the Technical Appendix included in Exhibit 2): ROG – 569 pounds per year, NOx – 629 pounds per year and PM10 – 270 pounds per year. The overall cost effectiveness of this project based on the above factors is \$47.20 per pound of reduced emissions. This project will reduce vehicle miles traveled by 590,917 with the single occupancy vehicle trips reduction of 26,860 and serving 35,957 one-way passenger trips annually.

This project complies with the goals of AB 2766 as it will reduce air pollution from emissions of motor vehicles and reduce vehicle miles traveled in personal vehicles, all of which improves the air quality and public health in our region.

Work Statement

Task 1 – Operating Contract: The Town and Placer County have developed and entered into an agreement to provide transit service as described for this project (see Exhibit 3). If selected, funding for the project would commence no sooner than January 1, 2017. As part of the operating contract, Placer County will provide the Town with quarterly reports that include at a minimum vehicle miles traveled, revenue service hours, and ridership data. The Town will utilize the reports from Placer County to comply with the reporting requirements under this grant.

Task 2 – Public Outreach: If selected, the Town will include information of the grant funding of this project on our website, in transit marketing materials, and on the transit schedules acknowledging the project funding source of the NSAQMD.

Task 3 – Analysis and Reporting: Per the reporting requirements, Town will provide quarterly reports, a monitoring report, and a final report detailing the successes of the project.

Funding Request/Breakdown of Cost

Task	Task Description	AB 2766 Grant Funds	Town/Co-Funding
Task 1: Operating Contract	The operating contract with Placer County includes operational staff of dispatch and bus drivers and fuel and maintenance of the buses.	\$193,125 for 3 years or \$62,500 annually plus inflation	\$1,866,000 for 3 years or \$622,000 annually plus inflation
Total Budget for Task 1: \$1,997,968 for 3 years or \$664,114 annually			
Task 2: Public Outreach	Development, printing and distribution of marketing materials, transit schedules and brochures that will include sponsorship of NSAQMD for the service.	\$2,807 annually	\$76,500 annually
Total Budget for Task 2: \$79,307 annually			
Task 3: Analysis & Reporting	a. Analysis program results and reporting. b. Submit final report to NSAQMD.		In-kind
Total Budget for Task 3:			
Administrative Costs:	Project Management and Reporting		In-kind
Total Administrative Costs Budget:			
Total Project Budget : \$698,500 annually			

Schedule of Deliverables/Monitor Program

Task	Deliverables	Estimated Date of Delivery
Task 1	Operating Contract with Placer County to provide transit service related to the Project	Town entered into agreement with Placer County August 2015
Task 2	Develop, print and distribute educational and marketing materials and transit schedules/ brochures	January 2017 and ongoing due to seasonal transit schedule changes
Task 3	Final Report and Project Analysis	December 2017

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Placer County will collect data that will be provided to the Town for reporting purposes. Specifically, performance data that will be collected to evaluate the effectiveness of the project both in terms of transit industry standards and reduced vehicle emissions and miles traveled include:

Daily ridership	Operating cost per revenue hour
Annual service miles	Operating cost per revenue mile
Farebox recovery ratio	Passenger trips per revenue hour
Operating cost per passenger	Passenger trips per revenue mile

This data will be used to determine one-way vehicle trip reductions and reductions in vehicle miles traveled, which will be used to calculate the cost-effectiveness of the project.

This project will improve the quality of our region through reduced vehicle miles traveled and reduced air pollution from vehicle emissions. Additionally, the quality of life of the transit dependent population will be improved as this project provides enhanced and expanded public transportation.

EXHIBIT 1

TOWN OF TRUCKEE
California

RESOLUTION 2016-48

A RESOLUTION OF THE TOWN COUNCIL OF THE TOWN OF TRUCKEE
AUTHORIZING THE SUBMITTAL OF A FUNDING REQUEST FOR AB 2766
DEPARTMENT OF MOTOR VEHICLE SURCHARGE FUNDING THROUGH THE
NORTHERN SIERRA AIR QUALITY MANAGEMENT DISTRICT TO SUPPORT
HIGHWAY 267 YEAR-ROUND TRANSIT SERVICE

WHEREAS, the people of the State of California have enacted the Department of Motor Vehicle Surcharge Program that provides funds to local government agencies, private sector businesses, non-profit agencies and research institutions to reduce air pollution from motor vehicles and for related planning, monitoring, enforcement and technical studies necessary to implement the California Clean Air Act; and

WHEREAS, the Northern Sierra Air Quality Management District, a unified air pollution control district formed pursuant to California Health and Safety Code section 40150, et seq. (the "District") has been delegated the responsibility for the administration of the program within the District, setting up necessary procedures for eligible participants, or their designees under the programs; and

WHEREAS, the Northern Sierra Air Quality Management District has released the 2016-2017 AB 2766 DMV Surcharge Fund Program Request for Proposals; and

WHEREAS, the Town of Truckee, Placer County, and Truckee Tahoe Airport District have partnered to provide transit service on a year-round basis on Highway 267 increasing service from 115 days to 365 days per year; and

WHEREAS, the Town of Truckee and Placer County entered into an agreement on August 11, 2015 whereby Placer County would operate the year-round service on Highway 267 and the Town of Truckee would contribute an estimated \$62,500 annually for a three-year project pilot period; and

WHEREAS, the Town of Truckee desires to submit a proposal requesting \$195,932 for operations and marketing to fund year-round service on Hwy 267 over a three-year period in partnership with Placer County and the Truckee Tahoe Airport District.

* * * * *

NOW, THEREFORE, THE TOWN COUNCIL OF THE TOWN OF TRUCKEE DOES RESOLVE, DETERMINE, AND ORDER AS FOLLOWS:

1. That the Town Manager is authorized to execute and file applications and proposals on behalf of the Town of Truckee to aid in the funding of year-round service on Highway 267

through the Northern Sierra Air Quality Management District 2016-2017 AB 2766 Request for Proposals.

2. That the Town Manager is authorized to execute and file all certification of assurances, contracts, agreements or any other document required by the Northern Sierra Air Quality Management District.
3. That the Town Manager is authorized to provide additional information as the Northern Sierra Air Quality Management District may require in connection with the application for AB 2766 projects.
4. That the Town Manager is authorized to execute agreements on behalf of the Town of Truckee with the Northern Sierra Air Quality Management District in connection with the application for AB 2766 projects.
5. That the Town Manager is authorized to approve and submit request for reimbursement of funds to the Northern Sierra Air Quality Management District for AB 2766 projects.
6. That the proposing entity is the Town of Truckee located at 10183 Truckee Airport Road, Truckee, California 96161; phone number 530-582-7700; contact person Kelly Beede.

The foregoing Resolution was introduced by _____, seconded by _____, at a Regular Meeting of the Truckee Town Council, held on the 13th day September 2016, and adopted by the following vote:

AYES:

NOES:

ABSENT:

ATTEST:

Joan deRyk Jones, Mayor

Judy Price, MMC, Town Clerk

EXHIBIT 2 – TECHNICAL APPENDIX
Emissions Benefits/Cost Effectiveness Supporting Documentation

Where:

- D = Days of operation per year
- R = Average Daily Ridership Increase
- A = Adjustment factor to account for transit dependency
- L = Length (miles) of average auto trip reduced
- AA = Adjustment factor to account for auto trips used to access transit services
- LL = Length (miles) of average trip

Documentation of Factors Utilized

- For the days of operation (D), 250 days of service were utilized.
- For the average daily ridership increase (R), it was assumed that it would increase by 144 per day.
- For the adjustment factor to account for transit dependency (A), the default factor of 0.83 for the project was utilized.
- The length (miles) of average auto trip reduced (L) was determined by calculating the project route miles on Hwy 267 between Kings Beach and Truckee; 20 miles one-way.
- For the adjustment factor to account for auto trips used to access transit service (AA), the factor of 0.1 was utilized.
- For the length (miles) of average trip for auto access to transit (LL), for auto trip access to and from transit 5 miles away a factor of 2 was utilized.

The following emissions factors were utilized from the *Methods to Find the Cost-Effectiveness of Funding Air Quality Projects, May 2005, Tables 2 and 3*; source: California Air Resources Board.

1-5 yrs	Auto VMT	Commute Trip Ends	Avg Trip Ends	Bus VMT
ROG	0.392	1.481	1.054	0.120
Nox	0.491	0.645	0.577	0.200
PM10	0.218	0.015	0.008	0.060

CRF Factor = .3535

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EXHIBIT 3

CONTRACT #: 12778

12778 A

**AGREEMENT REGARDING
TRANSIT SERVICE TO THE TOWN OF TRUCKEE
BY THE TAHOE AREA REGIONAL TRANSIT SYSTEM
HIGHWAY 89 & HIGHWAY 267 ROUTES
Amendment #1**

THIS Agreement, hereinafter referred to as "AGREEMENT", is made and entered into this 11th day of August, 2015, by and between the County of Placer, hereinafter referred to as "COUNTY," and the Town of Truckee, hereinafter referred to as "TRUCKEE."

RECITALS:

WHEREAS, COUNTY operates a public transit system known as Tahoe Area Regional Transit (TART) that benefits both residents and visitors within the Town of Truckee and Placer County;

WHEREAS, TRUCKEE and COUNTY have a need for transporting people to and from the North Shore area of Lake Tahoe and along the Highway 89 and 267 corridors;

WHEREAS, it would be redundant, non-economical, and not in the public interest, at this time, for TRUCKEE to duplicate said service;

WHEREAS, an agreement between COUNTY and TRUCKEE, to have COUNTY provide such service would be the most economical and in the public interest;

WHEREAS, COUNTY has sufficient funding sources from parties other than TRUCKEE to support operation of TART service in the Highway 89 and Highway 267 corridors as provided for in this agreement;

NOW, THEREFORE, in consideration of the mutual promises and agreements herein contained, it is agreed by and between the parties hereto as follows:

I. GENERAL PROVISIONS. This AGREEMENT is for public transportation and transportation services of TART rendered by COUNTY.

A. COUNTY agrees to operate regularly scheduled fixed route service between Truckee and Tahoe City on Highway 89, and Truckee and Crystal Bay on Highway 267 as provided in the attached Exhibit A.

B. COUNTY agrees to add year-round regularly scheduled fixed route service between Truckee and Crystal Bay on Highway 267 as provided in the attached Exhibit A, with the approval of Amendment #1 of this agreement, for a three year pilot period beginning during the 2015-16 Fiscal Year. Implementation will occur on a schedule mutually agreed upon by representatives of COUNTY and TRUCKEE. This added service is contingent upon approval of operating budgets by both COUNTY and TRUCKEE.

C. COUNTY reserves the right to contract out either part or all of the service to a qualified transit operations contractor.

II. PAYMENT.

A. Operating Costs. In exchange for services identified in Section I above, TRUCKEE agrees to pay COUNTY according to the amounts detailed in the attached Exhibit B.

B. TRUCKEE is a funding agent only, and is not responsible for operations, maintenance, or any costs in excess of the amount set forth above for the proposed service.

C. Notice of Annualized Costs. At least One Hundred and Twenty (120) days prior to the beginning of each fiscal year, COUNTY shall provide TRUCKEE with revised Exhibits A through B for the subsequent fiscal year. Charges will be adjusted based on the most recent available Data of Table 1. Consumer Price Index for All Urban Consumers, Transportation, as published by the United States Department of Labor, Bureau of Labor Statistics. If COUNTY requests charges in excess of the CPI adjustment must be mutually agreed upon by COUNTY and TOWN and COUNTY must provide adequate documentation of such charges. Charges for expanded services will be based upon a formula provided by COUNTY and detailed in Exhibit B.

D. Billing to TRUCKEE. COUNTY will submit an invoice or invoices to TRUCKEE prior to March 1 each year for the current fiscal year. TRUCKEE will pay COUNTY within 30 days of receipt of an invoice. COUNTY will quarterly provide TRUCKEE with data regarding ridership, fare box revenue and route information.

E. Changes in Service Levels. Either party may request modifications in the service levels at any time. If the parties agree to implement the suggested modifications, the implementation date shall be no later than 90 days after such agreement. COUNTY shall provide an amended Exhibit B to show agreed upon service modifications.

F. COUNTY agrees that service fares and fees shall be the same for TRUCKEE residents as for residents of Placer County. Passengers from Truckee will be able to transfer free of charge to other TART route buses.

G. COUNTY shall be solely credited with fares collected.

III. HOLD HARMLESS.

A. Neither TRUCKEE nor any officer, employee or volunteer thereof is responsible for any damage or liability occurring by reason of anything done or omitted to be done by COUNTY under or in connection with any work, authority or jurisdiction delegated to COUNTY under this MOU. It is understood and agreed that, pursuant to Government Code Section 895.4, COUNTY shall fully defend, indemnify and save harmless TRUCKEE, its officers, employees and volunteers from all claims, suits, or actions of every nature, kind and description brought for or on account of injury (as defined in Government Code Section 810.8) occurring by reason of anything done or omitted to be done by COUNTY under or in connection with any work, activity or jurisdiction delegated to COUNTY under this MOU.

B. Neither COUNTY nor any officer, employee or volunteer thereof is responsible for any damage or liability occurring by reason of anything done or omitted to be done by TRUCKEE under or in connection with any work, activity or jurisdiction delegated to TRUCKEE under this MOU. It is understood and agreed that, pursuant to Government Code Section 895.4, TRUCKEE shall fully defend, indemnify and save harmless COUNTY, its officers, employees and volunteers from all claims, suits, or actions of every nature, kind and description brought for or on account of injury (as defined in Government Code Section 810.8) occurring by reason of anything done or omitted to be done by TRUCKEE under or in connection with any work, authority or jurisdiction delegated to TRUCKEE under this MOU.

IV. TERMINATION.

A. This AGREEMENT becomes effective May 28, 2009, and Amendment #1 becomes effective July 1, 2015 after its approval by both parties. This AGREEMENT shall be automatically renewed each July 1, unless either of the parties to the AGREEMENT serves in writing, the other party a notice of termination. COUNTY shall have up to 180 days from notice of termination to discontinue service. Upon termination, TRUCKEE shall pay COUNTY for any and all services already rendered under this AGREEMENT within 10 working days.

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B. Written notice shall be served by US Mail or in person to the following:

PLACER COUNTY:

Will Garner
Department of Public Works
Transportation Division
3091 County Center Drive, Suite 220
Auburn, CA 95603

TOWN OF TRUCKEE:

Alex Terrazas
Assistant to the Town Manager
10183 Truckee Airport Road
Truckee, CA 96161-3306

IN WITNESS THEREOF, the parties hereto have executed this agreement the day and year first above written.

TOWN OF TRUCKEE

By: *Al P*
Mayor, Town of Truckee

Date: 8/11/15

ATTEST:

By: *Judy P*
Town Clerk

Date: 8-14-15

RECOMMENDED FOR APPROVAL

By: *Tony Lashbrook*
Truckee Town Manager

Date: 8/3/15

APPROVED AS TO FORM

By: *Andrew Morris*
Town Attorney

Date: 8/3/15

**"COUNTY"
STATE OF CALIFORNIA
COUNTY OF PLACER**

By: *[Signature]*
Chair, Board of Supervisors

Date: 8/2/15

ATTEST:

By: *Ann Holman*
Clerk of the Board

Date: 6-2-2015

RECOMMENDED FOR APPROVAL

By: *Ken Grehm*
Ken Grehm, Placer County
Public Works Director

Date: 7/8/15

APPROVED AS TO FORM

By: *Burt D. Hall*
County Counsel

Date: 5/26/2015

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Exhibit A

Hwy. 89 Tahoe City to Truckee Route

	AM										
Biltmore (Crystal Bay)	6:00	7:00									
Kings Beach ⁽¹⁾	6:03	7:03									
Tahoe City "Y"	6:30	7:30	8:30	9:30	10:30	11:30	12:30	1:30	2:30	3:50	4:50
Alpine Transport Center	6:36	7:36	8:36	9:36	10:36	11:36	12:36	1:36	2:36	3:56	4:56
Squaw Valley Rd/Hwy 89	6:39	7:39	8:39	9:39	10:39	11:39	12:39	1:39	2:39	3:59	4:59
Squaw Valley Clock Tower	6:44	7:44	8:44	9:44	10:44	11:44	12:44	1:44	2:44	4:04	5:04
Village at Squaw Valley - East	6:46	7:46	8:46	9:46	10:46	11:46	12:46	1:46	2:46	4:06	5:06
Resort at Squaw Creek	6:50	7:50	8:50	9:50	10:50	11:50	12:50	1:50	2:50	4:10	5:10
Squaw Valley Rd/Hwy 89	6:52	7:52	8:52	9:52	10:52	11:52	12:52	1:52	2:52	4:12	5:12
West River St/Hwy 89	7:00	8:00	9:00	10:00	11:00	12:00	1:00	2:00	3:00	4:20	5:20
Bank of America -Truckee	7:02	8:02	9:02	10:02	11:02	12:02	1:02	2:02	3:02	4:22	5:22
Tahoe Forest Hospital	7:03	8:03	9:03	10:03	11:03	12:03	1:03	2:03	3:03	4:23	5:23
Truckee Depot**	7:10	8:10	9:10	10:10	11:10	12:10	1:10	2:10	3:10	4:30	5:30
	AM										
Truckee Depot**	7:30	8:30	9:30	10:30	11:30	12:30	1:30	2:30	3:30	4:30	5:30
Tahoe Forest Hospital	7:32	8:32	9:32	10:32	11:32	12:32	1:32	2:32	3:32	4:32	5:32
Gateway Center	7:33	8:33	9:33	10:33	11:33	12:33	1:33	2:33	3:33	4:33	5:33
Hwy 89/Crossroads Center	7:34	8:34	9:34	10:34	11:34	12:34	1:34	2:34	3:34	4:34	5:34
West River St/Hwy 89	7:35	8:35	9:35	10:35	11:35	12:35	1:35	2:35	3:35	4:35	5:35
Squaw Valley Rd/Hwy 89	7:47	8:47	9:47	10:47	11:47	12:47	1:47	2:47	3:47	4:47	5:47
Squaw Valley Clock Tower	7:52	8:52	9:52	10:52	11:52	12:52	1:52	2:52	4:05	5:05	6:05
Village at Squaw Valley - East	7:54	8:54	9:54	10:54	11:54	12:54	1:54	2:54	4:07	5:07	6:07
Resort at Squaw Creek	7:57	8:57	9:57	10:57	11:57	12:57	1:57	2:57	4:10	5:10	6:10
Squaw Valley Rd/Hwy 89	7:59	8:59	9:59	10:59	11:59	12:59	1:59	2:59	4:12	5:12	6:12
Alpine Transport Center	8:03	9:03	10:03	11:03	12:03	1:03	2:03	3:03	4:16	5:16	6:16
River Ranch	8:05	9:05	10:05	11:05	12:05	1:05	2:05	3:05	4:18	5:18	6:18
Tahoe City "Y"	8:15	9:15	10:15	11:15	12:15	1:15	2:15	3:15	4:28	5:28	{6:28}

⁽¹⁾ All TART bus stops served between Kings Beach and Tahoe City. *Connect to TART Mainline.
 ** Connect to Truckee Transit and Amtrak. {6:28PM bus continues to the Hyatt in Incline Village 7:12 PM}

**Connect to Hwy 267 bus during winter season only.

Exhibit B

2015/16 Transit Services Charges

Service Charges to the Town of Truckee are based on the revenue vehicle service hours and revenue vehicle service miles between the first/last major bus stop in Placer County south of Truckee and the Town of Truckee. The first/last major bus stop on the Highway 89 route is Squaw Valley. The first/last major bus stop on the Highway 267 route is Northstar. The premise is that Placer County operates that portion of each route solely to reach the Town of Truckee. Furthermore, the benefit of that portion of the route is split evenly between Placer County and the Town of Truckee.

TART Highway 89 Between Truckee and Tahoe City

TART Cost Model	FY 15/16
Incremental cost per Revenue Vehicle Service Hour	\$ 66.94
Incremental cost per Revenue Vehicle Service Mile	\$ 1.08
Cost per Bus	\$ -
Fixed/Overhead Costs Per Revenue Vehicle Service Hour	\$ 27.49

		FY 15/16
Highway 89 Route Statistics & Cost	Year 'Round	
Buses in Service	2	
Service Days	365	
Revenue Vehicle Service Miles per Day	429	
Revenue Vehicle Service Hours per Day	22	
Total Revenue Vehicle Service Miles	156,585	
Total Revenue Vehicle Service Hours	8,030	
Miles Per Hour	19.5	
Cost per Day	\$ 2,541	
Total Cost	\$ 927,385	

Offsetting Revenues	
Fares	\$ 99,672
FTA 5311 From February 2015 POP	\$ 290,000
	\$ -
Remaining Balance	\$ 537,713

Allocation of Costs To Town of Truckee	
Revenue Vehicle Service Miles Per Day - Squaw to Truckee	299.25
Revenue Vehicle Service Hours Per Day - Squaw to Truckee	14.70
Total Revenue Vehicle Service Miles - Squaw to Truckee	109,226.3
Total Revenue Vehicle Service Hours - Squaw to Truckee	5,365.5
Cost per Day	\$ 1,577
Total Cost	\$ 575,686
Offsetting Revenue Allocated to Route Segment	\$ 241,894
Remaining Balance	\$ 333,792
50% to Town of Truckee	\$ 166,896
Actual Charge to the Town of Truckee for FY 15/16	\$ 65,570

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Exhibit B, Continued

TART Highway 267 Between Truckee and Crystal Bay - Winter

TART Cost Model	FY 15/16
Incremental cost per Revenue Vehicle Service Hour	\$ 66.94
Incremental cost per Revenue Vehicle Service Mile	\$ 1.08
Cost per Bus	\$ -
Fixed/Overhead Costs Per Revenue Vehicle Service Hour	\$ 27.49

Highway 267 Route Statistics & Cost	FY 15/16
	Winter Only
Buses in Service	2
Service Days	115
Revenue Vehicle Service Miles per Day	408.10
Revenue Vehicle Service Hours per Day	21.67
Total Revenue Vehicle Service Miles	46,931.50
Total Revenue Vehicle Service Hours	2,491.67
Miles Per Hour	18.84
Cost per Day	\$ 2,487
Total Cost	\$ 285,974.10

Offsetting Revenues

Fares	\$ 33,915.00
FTA 5311 From February 2014 POP	\$ -
FTA JARC Grant	\$ -
Remaining Balance	\$ 252,059.10

Allocation of Costs To Town of Truckee

Revenue Vehicle Service Miles Per Day - Northstar to Truckee	234.30
Revenue Vehicle Service Hours Per Day - Northstar to Truckee	10.63
Total Revenue Vehicle Service Miles - Northstar to Truckee	26,944.50
Total Revenue Vehicle Service Hours - Northstar to Truckee	1,222.83
Cost per Day	\$ 1,108
Total Cost	\$ 127,454
Offsetting Revenue Allocated to Route Segment	\$ 15,115
Remaining Balance	\$ 112,339
	\$ -
50% to Town of Truckee	\$ 56,169
Actual Charge to the Town of Truckee for FY 15/16	\$ 35,990

Exhibit B, Continued

TART Highway 267 Between Truckee and Crystal Bay - Summer, Fall & Spring

	FY 15/16
+Year Round	
Highway 267 Route Statistics & Cost	
Buses in Service	2.00
Service Days	250.00
Revenue Vehicle Service Miles per Day	408.10
Revenue Vehicle Service Hours per Day	21.67
Total Revenue Vehicle Service Miles	102,025
Total Revenue Vehicle Service Hours	5,417
Miles Per Hour	18.84
Cost per Day	\$ 2,487
Total Cost	\$ 621,683

Offsetting Revenues	
Fares	\$ 62,000
FTA 5311	\$ -
TOT Funding for Summer Service	\$ 45,000
Remaining Balance	\$ 514,683

Allocation of Costs To Town of Truckee	
Revenue Vehicle Service Miles Per Day - Northstar to Truckee	234.30
Revenue Vehicle Service Hours Per Day - Northstar to Truckee	10.63
Total Revenue Vehicle Service Miles - Northstar to Truckee	58,575
Total Revenue Vehicle Service Hours - Northstar to Truckee	2,658
Cost per Day	\$ 1,108
Total Cost	\$ 277,074
Offsetting Revenue Allocated to Route Segment	\$ 27,632
Remaining Balance	\$ 249,442
50% to Town of Truckee	\$ 124,721
Subtotal Charged to Town of Truckee	\$ 62,360
Subtotal Charged to Truckee Tahoe Airport District	\$ 62,360
Subtotal Charged to the Town of Truckee for Summer, 2015 Only	\$ 17,000
Subtotal Charged to the TTAD for Summer, 2015 Only	\$ 17,000

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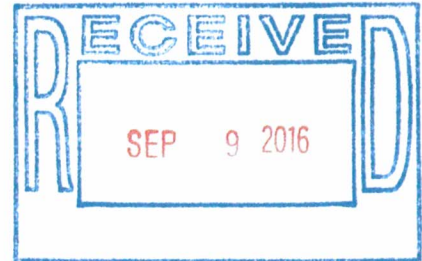
AGREEMENT TOTALS	
<u>GRAND TOTAL CHARGES</u>	
Highway 89 Route:	\$ 65,570
Highway 267 Winter Route:	\$ 35,990
Highway 267 Summer, Fall & Spring Route:	<u>\$ 62,360</u>
Grand Total:	\$163,290



Incorporated Senior Citizens of Sierra County
P. O. Box 675, 308 First Street
Loyalton, CA 96118

September 9, 2016

Northern Sierra Air Quality Management District
Northern Field Office
P. O. Box 2509
Grass Valley, CA 95945



Attention: Joe Fish

Re: AB2766 DMV Surcharge Fund

Dear Joe:

On behalf of the Incorporated Senior Citizens of Sierra County, I am enclosing a grant packet for application and consideration to the AB2766 DMV Surcharge Fund.

We are requesting the sum of \$5,670 to support the operations of the Senior Vanpool Services Program in Sierra County.

Please let me know if you need anything further. Thanks so much!

Sincerely,

Cathy Rahmeyer

Cathy Rahmeyer
Fund Development Consultant

Enclosures

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EXHIBIT SUMMARY SHEET

Proposing Entity (include other participating entities):

Incorporated Senior Citizens of Sierra County

Contact Person: Lori Wright, Transportation Director

Address: 302 First Street, Loyalton, CA 96118

Phone #: (530) 993-4770 **FAX #:** (530) 993-0742 **EMAIL:** transdir@att.net

Total Project Budget:

	AB 2766 Funds	Co-Funding	Total Project Costs
Capital Costs	\$ _____	\$ _____	\$ _____
Operating Costs	\$ <u>5,670</u>	\$ <u>48,000</u>	\$ <u>53,670</u>
TOTAL	\$ <u>5,670</u>	\$ <u>48,000</u>	\$ <u>53,670</u>

Type of Project: (check one)

- Quantifiable Project
- Reduced Emission Vehicles Project

Implementation Area for Project: Check if District-wide x

Describe the Implementation Area for the Project (e.g. city, county, region):
Sierra County

Estimated Emission Reductions:

- A. Emission Reductions (lbs/yr)
- Reactive Organic Gases 70 Nitrogen Oxides 78 PM₁₀ 29
- B. Vehicle Miles Traveled (VMT) Reduced 117,000
- Single Occupancy Vehicle Trips Reduced 2,800
- C. Number of people reached per day through public education 12

Cost-effectiveness: \$ 30.93 per pound (AB 2766 Funds Only)

Brief Project Description:

To support the operations of the Senior Vanpool Services Program which provides group transit services for disabled and/or senior residents in Sierra County.

REQUEST FOR PROPOSAL CONTENTS CHECKLIST

Applicant: Incorporated Senior Citizens of Sierra County

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 & 3A

Project Description - page 4

Project Organization/Background - page 5

Emissions Benefits/Cost-Effectiveness - page 6

Work Statement - page 7

Funding Request/Breakdown of Cost - page 7

Schedule of Deliverables/Monitoring - page 8

All Pages Numbered

3 Copies of Proposal, One Original

(CHECK ONE ONLY)
Quantifiable Project

- OR -

Reduced Emission Vehicles Project

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Authorization Letter

Section C



Incorporated Senior Citizens of Sierra County
P. O. Box 675, 308 First Street
Loyalton, CA 96118

September 6, 2016

Northern Sierra Air Quality Management District
Northern Field Office
P. O. Box 2509
Grass Valley, CA 95945

Attention: Joe Fish

Re: AB2766 DMV Surcharge Fund 2016-17

Dear Mr. Fish:

On behalf of Incorporated Senior Citizens of Sierra County, I am authorized to submit our application for funding through the AB2766 DMV Surcharge Fund. We are requesting the sum of \$5,670 to support the operations of the Senior Vanpool Services Program which provides group transit services for disabled and/or senior residents in Sierra County.

The contact person with respect to questions for this project is Lori Wright, Transportation Director. She may be contacted directly at (530) 993-4770. Her e-mail address is transdir@att.net. Please let me know if there is anything further information I can provide you. Thank you for your consideration and review of this request.

Sincerely,


Don Yegge, Vice Chair
Board of Directors

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Section D. - Project Description

This request to the Northern Sierra Air Quality Management District under the AB2766 DMV Surcharge Fund will provide Inc. Senior Citizens of Sierra County with the funding needed to help sustain vanpool services 270 days per year providing approximately 12 trips per day, both in and out of Sierra County. The program will serve approximately 280 unduplicated riders annually with estimated one-way vehicle trip reductions totaling 2,800 or 117,000 miles. Funding provided herein will assist in covering the costs of vehicle operations and maintenance for three existing vehicles annually. This program funding will help to sustain the transportation operations of the ISCSC which are currently at-risk. Cal Trans grants and Area 4 on Aging funding continues to decline and was reduced nearly 10% again this year. This request to the Northern Sierra Air Quality District is also reduced from the amounts available over the last four years. Without the grant support provided herein, ISCSC will be forced to cut and/or significantly reduce vanpool services for the coming year. This reduction combined with the continued challenges of the economic downturn in California, and particularly in rural communities, would further isolate rural seniors and disabled participants in seeking and securing transportation services needed to access health, wellness, food supplies, and medicine and social service programs within the region. The program also provides vanpool services to community members at large as needed.

ISCSC with this funding, will continue to provide outreach services to new unserved and underserved riders to assist with increasing rider membership by 5% in the coming year. The program will provide riders with educational information on vanpooling and its related emissions reductions to encourage additional use of vanpool services in Sierra County. The program currently maintains daily statistics on the number of people served, trips provided and miles driven for all transportation services. Five years ago, ISCSC designed a new data collection Excel Spreadsheet specific to Northern Sierra Air Quality Management District reporting so drivers may track and monitor the number of trips reduced from participants who would otherwise have driven their own cars or had someone drive for them had vanpool services been nonexistent. A confidential numbered tracking system is utilized to protect the confidentiality of riders.

The Transportation Program Director is responsible for the record keeping and progress reports associated with all transportation funding sources. ISCSC will utilize all appropriate data collection

tools and reporting forms required by the Northern Sierra Air Quality Management District. ISCSC has experience in the management and tracking of grant funding from multiple sources, supervising budgets and completing required reporting timely. The Scope of Work for this project is outlined as follows:

December 2016	Sign Contract on grant award
January 2017	Commencement of Funding
January - Dec 2017	Conduct Monthly/Quarterly Financial Reports/Monitoring Reports
January - Dec 2017	Provide vanpool services to existing riders
January - Dec 2017	Conduct outreach to increase ridership by 10% to underserved residents
January - Dec 2017	Log Fuel Miles / Perform required maintenance
January - Dec 2017	Conduct data gathering / monitoring
December 2017	Submit final report

Section E. – Project Organization/Background

Sierra County is a mountainous rural region covering an area of approximately 985 square miles. The population of Sierra County includes 2,967 people (and continues to decline – 10% since last year), designating it as the second smallest county in the state, and a frontier community. Between 2009 and 2013, the number of residents living below poverty level rose to 19.4% (from 11.3% in prior years). Residents over the age of 65 represent 25.1% (21.9% in 2012 and 18.7% in 2011) of the population in Sierra County, versus 12.5% of the senior population in California. Additionally, persons with disabilities aged 18-64 represent 19.2% of the population and persons with disabilities over the age of 65 represent 38.5% of the senior population. Veterans represent 15% of the population. There are a number of health status indicators that support the rate of poverty figures in Sierra County. Cancer (Breast Cancer and Lung Cancer), Coronary Heart Disease, Diabetes, and Cerebrovascular Disease are the major causes of death.

Incorporated Senior Citizens of Sierra County (ISCSC) is a grassroots non-profit corporation developed in 1978 that strives to serve the unmet needs of a growing and vulnerable number of rural seniors. The mission of the agency is to present an environment that encourages and accepts the uniqueness of each individual; provides social supports; offers nutritious well-balanced noontime meals; provides safety information and assessments, access to adequate transportation; and delivers necessary health and resource and referral information for seniors aged 60 and over, their spouses and the disabled. In addition, ISCSC provides access to early and regular health screening, outreach prevention and

intervention activities, education and presentation of home and medication safety and nutritional information, and opportunities to participate in regularly structured nutrition and physical activities that serve to reduce chronic diseases and their associated health care costs while improving the quality of life for many senior citizens.

Emission reductions for this project will result from the decrease in emissions associated with auto trips replaced by senior vanpool services after adjusting for the increase emissions associated with the shuttle vehicle itself and auto access trips. IS CSC provides vanpool services to residents for the following purposes: medical appointments, nutrition site services, socialization activities, shopping trips, personal errands and recreation. The program also transports seniors placed in long-term care at Eastern Plumas Healthcare facility to medical and social activities. On occasion, vehicles are utilized to transport home-delivered meals in partnership with the agency’s nutrition program. Seniors are picked up and delivered to their homes, including nursing home residents as part of the service delivery of this program, providing further reduced emissions as residents do not have to drive vehicles to a vanpool lot or shuttle parking site.

IS CSC has experience and been a recipient of transportation dollars to operate Sierra County vanpool services for seniors and disabled residents for many years.

Section F. – Emission Benefits/Cost Effectiveness

The costs and emission benefits are calculated in the following chart:

IS CSC	Total Program Costs	Weighted CE/\$ per Ton	CE Per lb	AB2766 Cost
Senior Vanpool Services Program	\$53,670	\$54,817	\$30.93	\$5,670
Totals	\$53,670	\$54,817	\$30.93	\$5,670

The annual emissions reduction is calculated at 70 lbs/year or 0.04 tons/year. The cost effectiveness of this project is \$30.93 per pound and \$61,854 per ton. IS CSC will provide a cash match from Cal Trans in the estimated sum of \$48,000 to complete the costs for this sustainability project. A detailed emission benefits/cost effectiveness sheet is attached.

Section G. – Work Statement

The Work Statement will follow the Scope of Work as outlined in Section D of this proposal. Direct program activities will begin on January 1st, 2017 and end with the Final Report on December 31st, 2017. The Transportation Director will be responsible for assuring that each sequence of work activities is completed and documented appropriately and all data collection, maintenance and reporting requirements are met timely. Project technical assistance will be utilized from the Northern Sierra Air Quality Management District as needed. Public acknowledgement for funding provided by the Northern Sierra AQMD will include a press release in the local newspaper and a placard placed on-site at the ISCSC offices based at the Loyaltan Senior Center.

Section H. – Funding Request/Breakdown of Cost

The following chart reflects a breakdown of the costs associated with this project and their respective funding sources:

Project Tasks	Cost	AB2766 Funding	ISCSC Cal Trans Match	ISCSC In-Kind Match 5/ys
Sustain Existing Vanpool Services	44,000	5,000	49,000	
Expand Outreach to New Riders	4,000	670	4,670	
Conduct Annual Maintenance				✓
Conduct data collection				✓
Prepare monthly/quarterly/year-end reports – Collaborate with partners				✓
Total Costs	\$48,000	5,670	\$53,670	0

No equipment will be purchased in association with this project. Should the Northern Sierra AQMD be unable to fund this project at the amount requested, ISCSC will be happy to accept any amount determined by the board to assist in the ongoing delivery and sustainability of vanpool services for Sierra County. Any reductions in service will be determined according to the amount of the award.

Section I. – Schedule of Deliverables/Monitoring Program
Logic Model of ISCSC – AB2766 DMV Surcharge Fund Project – Senior Vanpool Services Program

Inputs	Activities	Outputs	Participation	Short Term	Medium Term	Long Term
<ul style="list-style-type: none"> Staff Time – In-Kind Match AB2766 Funding 	<ul style="list-style-type: none"> Contract – Supervise Monitor – Data Collection – Report Cash Grant 	<ul style="list-style-type: none"> Transportation Director / Drivers Northern Sierra Air Quality Mgmt. 		<ul style="list-style-type: none"> Sustain existing vanpool services Delivery of vanpool services – sustainability of program Access to Funding 	<ul style="list-style-type: none"> Expand outreach to unserved residents Reduced emissions of 177 lbs. per year Reduced health risks and cancer rates to children – Improved Air Quality Improved Air Quality 	<ul style="list-style-type: none"> Provide access to transportation services for seniors & disabled residents Reduced emissions of 885 lbs/over five-year life of grant Reduced health risks and cancer rates to children – Improved Air Quality Improved Air Quality
<ul style="list-style-type: none"> Cash Match 	<ul style="list-style-type: none"> Cash Grant 	<ul style="list-style-type: none"> Cal Trans 		<ul style="list-style-type: none"> Access to Funding 	<ul style="list-style-type: none"> Reduced health risks and cancer rates to children – Improved Air Quality Improved Air Quality 	<ul style="list-style-type: none"> Reduced health risks and cancer rates to children – Improved Air Quality Improved Air Quality

Timelines outlined in Section D – Scope of Work Project Objectives will be reported monthly, quarterly and annually to Northern Sierra AQMD

VANPOOLS AND SHUTTLES

Subcategory:

Air District Name: Northern Sierra AQMD

Local Government Name: Not Applicable

Project Name: Incorporated Senior Citizens of Sierra County

Description:
(Issues/Comments)

Implementing Agency:

Private Agency:

FUNDING:

MVFees Funding:	\$5.300	MSRC Funding:	\$0
Moyer Funding:	\$0	CMAQ Funding:	\$0
Other CoFunding:	\$0		

Capital Recovery Factor:	1.03	Annual Auto Trips Reduced:	3.003
Project Analysis Period:	1 years	Annual Auto VMT Reduced:	105.105

Annual Operating Days (D):	273	days
Daily Ridership (R):	11	trips (riders)/day
Annual Van VMT:	44.000	annual miles traveled
Adjustment (A):	1.00	<i>This factor equals the portion of riders who are NOT vanpool-dependent.</i>
Replaced Auto Trip Length (L):	35.00	miles in one direction of trip
Adjustment (AA):	0.00	<i>This factor equals the portion of riders who drive to the vanpool service.</i>
Auto Access Trip Length (LL):	0.00	miles in one direction of trip

EMISSION FACTORS:	Auto Trip End Factors	Auto VMT Factors	VanVMT Factors
ROG :	1.189 <i>grams per trip</i>	0.332 <i>grams per mile</i>	0.15 <i>grams per mile</i>
NOx :	0.535 <i>per trip</i>	0.391 <i>per mile</i>	0.17 <i>per mile</i>
PM10 :	0.015 <i>per trip</i>	0.220 <i>per mile</i>	0.23 <i>per mile</i>

EMISSION REDUCTIONS:	Pounds per Year	Tons per Year
ROG:	70	0.04
NOx:	78	0.04
PM10:	29	0.01
Total:	177	0.09

COST-EFFECTIVENESS OF:

Motor Vehicle Fees and/or Moyer Funds:	\$30.93 per pound	\$61.854 per ton
CMAQ Funds:	\$0.00 per pound	\$0 per ton
All Funding Sources:	\$30.93 per pound	\$61.854 per ton

Nevada County Facilities Management AB 2766 DMV Surcharge Fund Program Application 2016 -2017

EXHIBIT SUMMARY SHEET

Proposing Entity: County of Nevada

Contact Person: Tom Coburn

Address: 10014 N. Bloomfield, Nevada City, CA 95959

Phone #:530-470-2637

FAX #:530-265-7087

EMAIL: tom.coburn@co.nevada.ca.us

Total Project Budget:

	AB 2766 Funds	Co-Funding	Total Project Costs
Capital Costs	\$ <u>125,000</u>	\$ <u>112,500</u>	\$ <u>237,500</u>
Operating Costs	\$ <u>0</u>	\$ <u>5,000</u>	\$ <u>5,000</u>
TOTAL	\$ <u>125,000</u>	\$ <u>117,500</u>	\$ <u>242,500</u>

Type of Project: (check one)

Quantifiable Project

Reduced Emission Vehicles Project

Implementation Area for Project: Check if District-wide

Describe the Implementation Area for the Project (e.g. city, county, region): Nevada City and Nevada County

Estimated Emission Reductions:

- A. Emission Reductions 878 lbs. per year
Reactive Organic Gases – 16.7 Nitrogen Oxides – 799.9 PM₁₀ – 61.5
- B. Vehicle Miles Traveled (VMT) Reduced 2288 Miles per Year
- C. Number of people reached per day through public education N/A

Cost-effectiveness: \$17.08 per pound (AB 2766 Funds Only)

Brief Project Description: This project will remove two diesel fired generators, transfer switches, and a 600 gallon diesel fuel tank and replace them with one new natural gas generator. These generators serve the Eric Rood Administration Building main computer room, Emergency Operation Center, Sheriff Office and other departments within the Building.

REQUEST FOR PROPOSAL CONTENTS CHECKLIST

Applicant: Nevada County Facilities Management

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 4-5

Project Organization/Background - page 5

Emissions Benefits/Cost-Effectiveness - page 5-6

Work Statement - page 7

Funding Request/Breakdown of Cost – page 7

Schedule of Deliverables/Monitoring - page 8

All Pages Numbered

Three Copies Of Proposal Plus One Original

(CHECK ONE ONLY)

Quantifiable Project

- OR -

Reduced Emission Vehicles Project



Information and General Services Department

Facilities Management

10014 N. Bloomfield Road
Nevada City, CA 95959
Phone: 530-470-2635
Fax: 530-265-7087

Information Systems
Geographic Information Systems
Facilities Management

Emergency Services
Central Services
Cable Television

Purchasing
Airport
Library

August 18, 2016

Joe Fish
Northern Sierra Air Quality Management District
PO Box 2509
Grass Valley, CA 95945

SUBJECT: Authorization for Nevada County Facilities Management to submit a formal grant proposal for the use of AB 2766 DMV Surcharge funds for the 2016-2017 grant period on behalf of the County of Nevada.

BACKGROUND: Nevada County Facilities Management is submitting a formal grant proposal to replace two diesel generators, transfer switch and fuel tanks with one natural gas generator. This generator services the Eric Rood Administrative Center fire pump system, Sheriff Department, Emergency Operation Center, County Computer Center, and various essential operations in other departments.

AUTHORIZATION: I hereby authorize the submittal of the Nevada County Facilities Management formal grant proposal to the NSAQMD for the use of AB 2766 DMV Surcharge Funds for the 2016-2017 grant period.

Stephen T. Monaghan
Chief Information Officer
County of Nevada

Date

Project Description

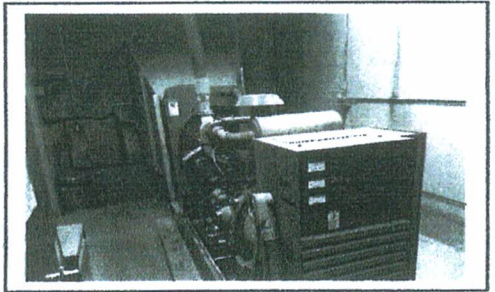
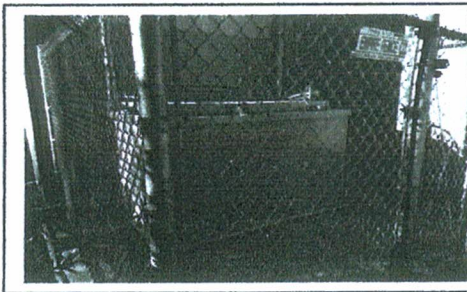
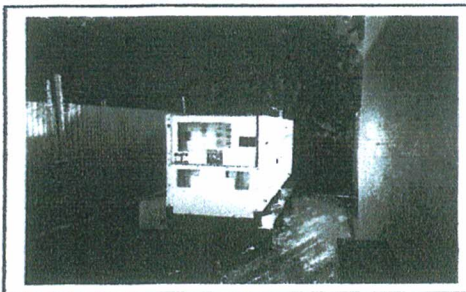
The County of Nevada owns and operates the Eric Rood Administrative Center (ERAC) located at 950 Maidu Ave, Nevada City, CA. This building houses all the main administrative offices for the County including the Chief Executive Office, the Auditor/Controller, Elections/Recorder, Human Resources, Sheriff Office, Treasurer/ Tax Collector, Assessors office, Information Services, Emergency Operation Center, and the Health and Human Services Agency. Also housed in this facility is the main computer room for all County operations including 911 Dispatch.

Certain operations within the facility require emergency power such as the fire system pumps, domestic water pumps to the ERAC, the Wayne Brown Correctional Facility, the County main computer room, the Emergency Operation Center, Sheriff Office, Elections, and the Auditor/Controller's office. Currently the emergency power for the building is backed up by a 125KW and a 150KW diesel generator. To fuel the generators there is a total of 600 gallons of diesel fuel contained in steel tanks located on the outside of the pump house. The 150KW generator is about 30 years old and the 125 KW generator is about 20 years old.

This project would replace the two existing diesel generators, fuel tanks, and transfer switch with one large natural gas generator and transfer switch. The existing fuel tanks and system will be removed and not reused in any manner. The new generator would be of the latest technology and would have the lowest emissions.

Benefits

The current old generators are 32 and 15 years old and have no emission controls. They both require annual NSAQMD operating permits. This project would replace both diesel generators and replace them with one natural gas generator which will greatly reduce emissions by 878 lbs. per year. The diesel fuel tanks are both a hazard to off gassing with the potential for spillage into the local waterway which will be removed. The frequency of repair would be much less with the newer unit and the number of trips from the Stockton area that the service technicians have to make will be reduced. Additionally, electronic controls allow the technicians to remotely observe the generators to ensure proper operation.



Operations

The generators run a self-test every week for approximately 45 minutes. This test is not under any load and there is a large buildup of emissions from this testing. There is so much buildup of unburned fuel that load tests are performed every year to apply extra load to burn off the excess fuel and soot.

Approximately 4-6 times a year the units are run for servicing and repairs adding an additional 4-6 hours of run time per unit. It is hard to estimate the actual hours a unit runs during a power outage because they are never planned. Each time it starts it will run a minimum of 30 minutes after the PG&E power returns. It's estimated that there are 6-10 events per year and the outage runs from 30 minutes to 4 hours. The total estimated run time per unit is 75 Hours per year.

Project Organization / Back Ground

The County of Nevada was established in 1849 and serves as the local arm of County government. Nevada County includes Nevada City, the City of Grass Valley, and the Town of Truckee. Nevada County Facilities Management is a division of the Information and General Services Agency. The County, Information and General Services Agency and Facilities Management have all been recipients of this grant in the past. In 2008 Facilities Management used this grant to help purchase an electric truck that is still in use today.

The County did a similar generator project in Truckee a few years ago. Two diesel generators that served the Joseph building and the Sheriff Substation were converted to one natural gas generator. This project was very successful in reducing the operating hours of the equipment, fuel, and maintenance procedures. No grants were associated with the Truckee Project.

Emission Benefit/Cost Effectiveness

Below are the calculations for this project. Since we are removing two diesel engine generators and replacing them with one natural gas engine generator, the diesel generators are shown separately and then the emissions are combined to show total emission savings. Both engines run approximately the same amount of time. Over a ten year period this project is estimated to save 8,780 lbs. of emission. In relation to this grant application for \$125,000, the AB2766 dollars Cost Effectiveness is \$17.08 per lb. Overall the project cost is \$237,500 and the Project Cost Effectiveness is \$32.46 per lb.

Savings not listed in these calculations are the miles saved by switching to natural gas and having newer equipment. Fuel is purchased locally but is transported to local dealers from the Bay Area. Depending on the amount of run time the generator systems are fueled 2-4 times per year.

Service providers come from the Stockton area and service is required approximately 8 times per year. Additionally, whenever units are operated during a power outage, Facilities staff responds to ensure the units are operating properly. The new equipment will allow for remote monitoring which will not require

staff response. Although some servicing and staff response will be necessary it is estimated the total number of miles saved after installation of the natural gas generator will be 2,288 miles per year.

Input to Calculations

Funding Dollars	125,000
Life	10
Operating Hours	150
Road Horse Power	270
Sheriff Horse Power	150
Load Factor	0.5

Inputs	Default	Units	Comments
Funding Dollars		125,000	
Effectiveness Period	20 Years		New Generator is operational for 25-30 years
Annual OP Hours	75 hours		This number varies due to the number of Power outages
Road Generator HP	270HP		
Sheriff Generator HP	150 HP		
Load		0.43-0.78	

Air Pollution Permit #	HP	Annual Hours of Operation	*Diesel Emission factors (g/bhp)			Annual Emissions (lbs/year)			Total Annual Emissions (lbs/year)
			PM	NOx	ROG	PM	NOx	ROG	
SE-08-104	227	75	1.0	14.06	1.12	37.5	527.3	42.0	606.8
SE-08-107	150	75	1.0	14.06	1.12	24.8	348.4	27.8	400.9
Total:									1007.7

Air Pollution Permit #	HP	Annual Hours of Operation	**Natural Gas Emission factors			Annual Emissions (lbs/year)			Total Annual Emissions (lbs/year)	Difference between diesel and natural gas annual emissions (lbs/year)
			PM	NOx	ROG	PM	NOx	ROG		
New Engine	459	75	0.01	1	0.7	0.8	75.8	53.1	129.7	878.0

*Diesel Emission factors obtained from EPA document AP-42, Table 3.3-2 (<600 hp)

** Natural Gas Emission factors obtained from EPA Certificate Number GPSIB14.6NGP-018

Maximum project life is 10 years with a capital recovery factor of: **0.12**

Total project funding: \$ 125,000

Cost effectiveness = Annualized funding / total emission reductions

OR

Cost effectiveness = (\$125,000 * 0.12) / total emission reductions

OR

Cost effectiveness = \$ 17.08

Work Statement

1. Nevada County Facilities Management will solicit proposals from qualified electrical engineers to evaluate our current needs to ensure the correct size of the generator is specified. Plans and specifications will be developed of a quality to allow for the competitive bid process.
2. The County Board of Supervisors will approve the scope of the project and authorize the County Purchasing Agent to solicit bids from qualified electrical contractors. After the project is advertised and bidder’s conferences held the bid will be publicly opened and the low bidder identified. The contract will then be brought to the Board of Supervisors for approval and award.
3. The work will begin with the removal of the existing fuel tanks and generators. The gas line, new generator, transfer switch and associated wiring will be installed.
4. Tests will be conducted and then brought to the Board of Supervisors for final approval.

Public Acknowledgment: The County will post decals on the entrance to the generator building to identify that AB 2766 funds were used on this project. Additionally the Facilities Management web site will also highlight this project and that AB 2766 funds were allocated to the project.

Funding Request/Breakdown of Cost

This project would be funded through AB 2766 funding, Nevada County Facilities Management and the Wayne Brown Correctional Facility budgets. All administrative cost is borne by the County. Funds from AB 2766 will fully go toward the purchase of the new generator and associated generator installation (sample generator specification is attached). Funding for all transfer switches and associated wiring, gas lines, and incidentals will be paid by the County. All operating cost will be borne by the County.

To track the cost associated with this project the County will assign a specific number that all costs will be charged to. From this sheet each specific item and labor cost can be broken out and assigned to the payee. Invoices will be collected and attached to any reimbursement requests.

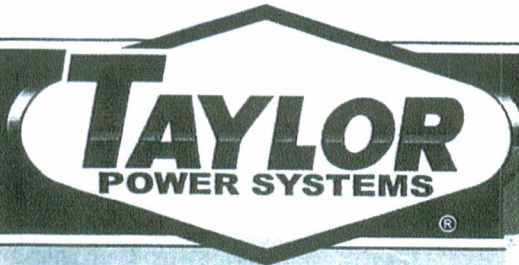
Project Cost Estimate		County		Type of Funds
		AB2766	Facilities		WBCF
Evaluation, Design and Engineering	20,000		10,000	10,000 Monetary
Bid and Award Process	2,500		2,500	In Kind
Generator Equipment	115,000	100,000	7,500	7,500 Monetary
Transfer Switch and Associated Wiring	15,000		15,000	
Construction and Installation	50,000	25,000	12,500	12,500 Monetary
Commissioning and Testing	5,000		2,500	2,500 Monetary
Project Management and Administration	30,000		20,000	10,000 In Kind
Total Project Cost \$ 237,500		\$ 125,000	\$ 70,000	\$ 42,500

Schedule of Deliverables/Monitoring

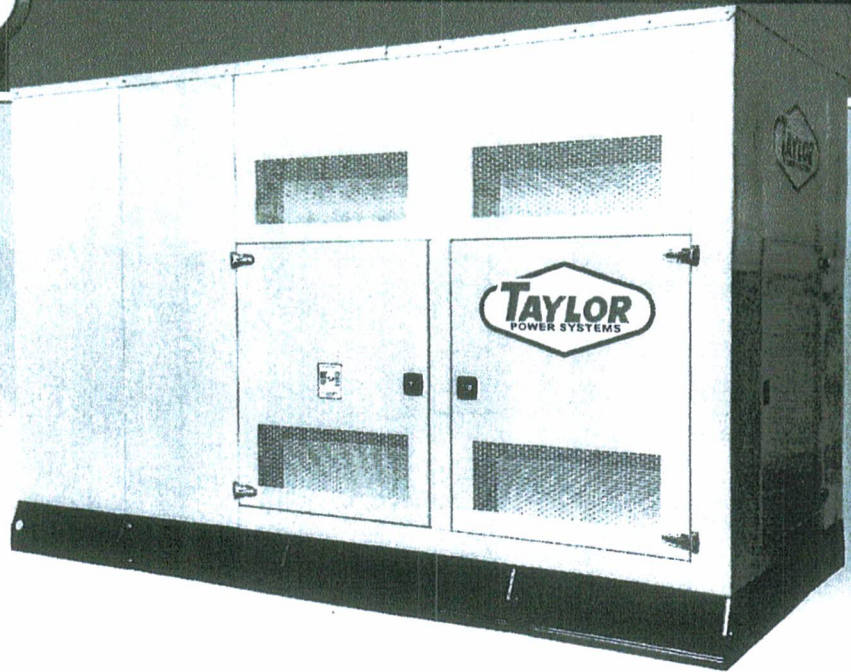
Below is the schedule of deliverables. The County must follow the procedures set by State and Local laws to complete this Public Works Project. All on site labor will comply with prevailing wage and DIR requirements.

The project will be managed by a Project Manager from Nevada County Facilities Management. All of our Project Managers have many years of experience which will contribute to making this a successful project. This project will be using programs such as AutoCAD, MS Project, and SDM for documentation.

Task	Start	Start
Solicit for Engineer	January 1, 2017	February 28, 2017
Evaluation and Design	March 1, 2017	April 30, 2017
Bid Process	May 1, 2017	July 30, 2017
Construction	August 1, 2017	October 31, 2017
Final Inspection and Testing	November 1, 2017	November 15, 2017



"Your Complete Generator Solution"



EPA Certified / Stationary Emergency

OUTPUT POWER OPTIONS				Natural Gas		LP Vapor		sKVA	
Make	Voltage	Alternator	Phase	Hertz	125° RISE RATING	125° RISE RATING	30% Voltage Dip		
Marathon	277/480	432CSL6212	3	60	300/375	452	160/200	241	943
	120/208	432CSL6212	3	60	280/350	973	160/200	556	708
	120/240	432CSL6212	3	60	300/375	903	160/200	482	708
	120/240	432CSL6212	1	60	201/201	838	160/160	667	250
Marathon	277/480	433CSL6216	3	60	300/375	452	160/200	241	1424
	120/208	433CSL6216	3	60	300/375	1042	160/200	556	1069
	120/240	433CSL6216	3	60	300/375	903	160/200	482	1069
	120/240	433CSL6216	1	60	241/241	1004	160/160	667	430
Stamford	277/480	HCI434E311	3	60	300/375	452	160/200	241	1030
	120/208	HCI434E311	3	60	300/375	1042	160/200	556	815
	120/240	HCI434E311	3	60	300/375	903	160/200	482	815
	120/240	HCI434E311	1	60	200/200	833	160/160	667	570

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Engine Data

Manufacturer	Doosan	
Model	14.6L HO	
Aspiration	Turbocharged, Air Cooled	
Arrangement	V-Type, 4-Cycle	
Firing Order	1-5-7-2-6-3-4-8-1	
Displacement: L (in. ³)	14.62 (892)	
Bore: mm (in.)	128 (5.04)	
Stroke: mm (in.)	142 (5.59)	
Compression Ratio	10.5:1	
BMEP: psi (kPa)	Natural Gas	226.2 (1559.6)
	LP Vapor	125 (861.8)
Gross Horsepower: Natural Gas	459	
	LP Vapor	253
Rated RPM	1800	
Governor	Isochronous	
Speed Regulation	±0.5%	

Engine Liquid Capacity

Oil system: qt. (L)	29.65 (28.04)
Cooling System Capacity: gal (L)	50 (227)

Engine Electrical

Electric Volts: DC	24
Cold Cracking Amps	2200
Battery(s) Required	2

Fuel System

Fuel Type	Natural Gas, LP Vapor or Dual Fuel	
Minimum Fuel Supply Size:		
Natural Gas	3" NPT	
LP Vapor	3" NPT	
Fuel Supply Pressure: in. H ₂ O (kPa)		
Natural Gas	7-11 (1.74-2.74)	
LP Vapor	7-11 (1.74-2.74)	

Filters and Quantity

Air Cleaner Quantity	1
Oil Filter(s) Quantity	1

Air Requirements

Air Filter(s) Type	Dry
Air Flow: CFM (m ³ /min)	30,000 (849)
Max Air Intake Restriction: in. H ₂ O (kPa)	
Clean	5.00 (1.24)
Dirty	15.00 (3.74)
Combustion Air: CFM (m ³ /min)	687 (19)

Exhaust System

Gas Flow: CFM (m ³ /min)	2521.0 (71.3)
Max Exhaust Back Pressure: in. H ₂ O (kPa)	40.9 (10.2)

Sound Level

Open Unit: dBA 3.2 ft (1M)	93
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Cooling System

Heat Rejection per CAC: kW (BTUM)	46.9 (2669.0)
Heat Rejection to Coolant: kW (BTUM)	325 (18,456)
Coolant Flow: gal/min (L/min)	180 (680)

Fuel Consumption Natural Gas - 130°C

At 100% of Power Rating: CFH (m ³ /hr)	3172.0 (72.0)
At 75% of Power Rating: CFH (m ³ /hr)	N/A
At 50% of Power Rating: CFH (m ³ /hr)	N/A
At 25% of Power Rating: CFH (m ³ /hr)	N/A

Fuel Consumption LP Vapor - 130°C

At 100% of Power Rating: CFH (m ³ /hr)	926.0 (49.0)
At 75% of Power Rating: CFH (m ³ /hr)	N/A
At 50% of Power Rating: CFH (m ³ /hr)	N/A
At 25% of Power Rating: CFH (m ³ /hr)	N/A

GENERAL GUIDELINES FOR DERATION: Altitude: Derate 0.5% per 100m (328 ft.) Elevation above 1000m (3279 ft.) Temperature: Derate 1.0% per 10°C (18°F) temperature above 25°C (77°F)

RATINGS: All three-phase units are rated at 0.8 power factor. All single-phase units are rated at 1.0 power factor.

125° RATINGS: 125° apply to installations served by a reliable utility source. The standby rating is applicable to varying loads for the duration of a power outage. There is no overload capability for this rating. Ratings are in accordance with ISO-3046/1, BS 5514, AS 2789, and DIN 6271.

105° RATINGS: 105° ratings apply to installations where utility power is unavailable or unreliable. At varying load the number of generator set operating hours is unlimited. A 10% overload capacity is available for one hour in twelve. Ratings are in accordance with ISO-8528/1, overload power in accordance with ISO-3046/1, BS5514, AS2789, and DIN 6271. For limited running time and base load ratings consult the factory. The generator set manufacturer reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever.



Alternator Data

Manufacturer	Marathon
Type	PMG
Insulation NEMA Rise/Temp	NEMA H/125°C
Hertz	60
Phase	3
RPM	1800
Leads	12
Amortisseur Windings	Full
CFM Cooling Required	1020
Voltage Regulator	PM500
Sensing	Three Phase
Voltage Regulation, No Load - Full Load	0.5%

Optional 0.25% Regulation DVR2000E+ Available

Features

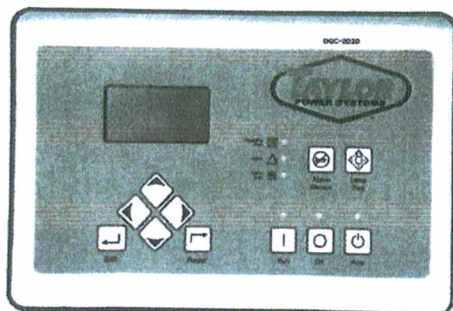
- NEMA MG1-32, BS5000, and IEC 34-1 compliant; CE & CSA Certified and UL Listed
- Self-ventilated and drip proof construction
- Two-thirds pitch stator and skewed rotor
- Wet wound, epoxied field windings
- Designed to withstand overspeeds of up to 125%
- Hybrid analog/digital voltage regulator
- Under frequency protection
- Under frequency indication light
- Less than one cycle response time
- Over excitation protection
- Over excitation indication light
- Easy access front-panel adjustments
- Over voltage protection shutdown
- Analog input for paralleling

Alternator Data

Manufacturer	Stamford
Type	PMG
Insulation NEMA Rise/Temp	NEMA H/125°C
Hertz	60
Phase	3
RPM	1800
Leads	12
Amortisseur Windings	Full
CFM Cooling Required	2100
Voltage Regulator	MX341
Sensing	Single Phase
Voltage Regulation, No Load - Full Load	1.0%

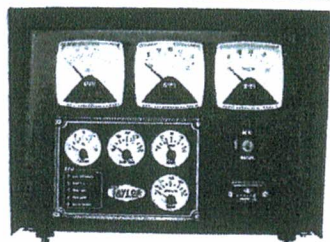
Features

- BS EN 60034, BS5000, VDE 0530, NEMA MG1-32, IEC34, CSA C22.2-100, and AS1359 complaint
- IP23 enclosure
- Dynamically balanced to exceed BS6861:Part 1 Grade 2.5 vibration standard
- Quality assurance to BS EN ISO 9001
- Self-ventilated and drip proof construction
- Two-thirds pitch stator and skewed rotor
- Heavy duty bearings
- Fully guarded
- Overexcitation protection
- Under frequency protection
- Analog input
- Overvoltage protection
- Paralleling compatible
- Single-phase sensing



DGC2020 Digital Controller

- Integrated engine-genset control, protection, and metering
- Microprocessor allows for exact measurement, setpoint adjustment, and timing functions
- Front panel 3 position controls and indicators enable quick and simple operation
- Emergency stop push button and an Alarm Horn with silence button
- A wide temperature-range liquid crystal display (LCD) with backlighting
- SAE J1939 Engine ECU communications
- Remote RS-485 communications for Optional RDP-110 Remote Annunciator
- 4 programmable contact inputs and 10 contact outputs (2 ADC rated)
- Modbus Communications with RS-485, Battery Backup for Real Time Clock, UL recognized, CSA certified, CE approved, HALT (Highly Accelerated Life Tests) tested
- IP 54 Front Panel rating with integrated gasket and NFPA 110 Level 1 Compatible.
- Manual Override Keyswitch



Analog Controller with Emergency Bypass Key Switch

- Automatic CANBUS Engine Control
- Oil Pressure, Water Temperature, Battery Voltage and RPM Gauges
- Automatic Gauge Zeroing on Shutdown
- AC Voltage, Frequency, Percent of Load, and Run-Time Metering
- 3-Position Auto-Off-Manual Control Switch
- LED Status Lights: Low Oil Pressure, High Temperature, Overcrank, Overspeed, & Engine Start

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Standard Features:

Warranty

2 Year Standard
5 Year Comprehensive

- Heavy Duty Steel Base
- Vibration Isolators
- Oil Drain Valve with Extension
- Battery Rack & Cables
- High Ambient Unit Mounted Radiator
- Battery Charging Alternator
- Factory Powder Coating
- Factory Test
- Owner's Manual

Controller Options

DGC-2020HD Controller for Paralleling
Fiber Optic Ethernet (DGC-2020HD)
Internal Modem & Generator Protection (DGC-2020)
Flush or Surface Mount Remote Annunciator
Remote Mount Break Glass E-Stop Switch

Miscellaneous Options:

- Battery Charger
- Coolant Drain Kit
- Block Heater
- Line Circuit Breaker
- Pad Type Battery Heater
- Battery Heater Blanket w/Thermostat
- Oil Pan Heater
- Generator Strip Heater

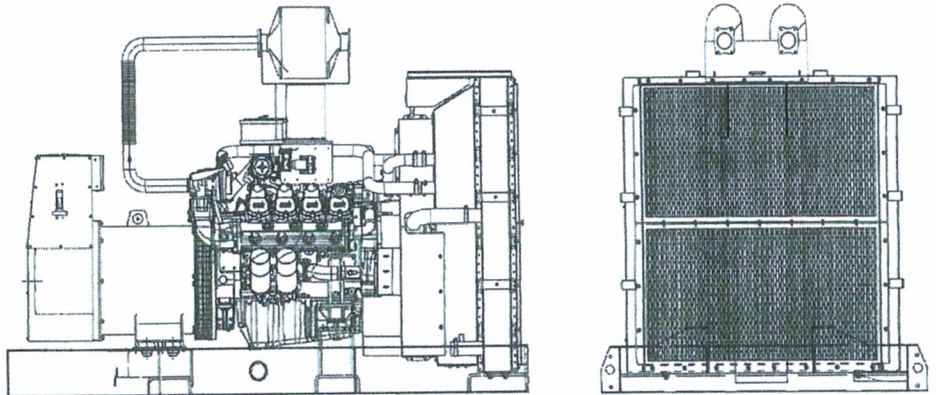
Narrow Skid Base Open Unit

Options:

- Radiator Duct Flange
- Flex Exhaust
- Critical Silencer
- Wide Skid Base

OVERALL SIZE: 120"L x 75"W x 75"H
 Approximate Weight: 8,900 lbs.

Note: Dimensions and weights reflect standard open unit with no options and are subject to change.



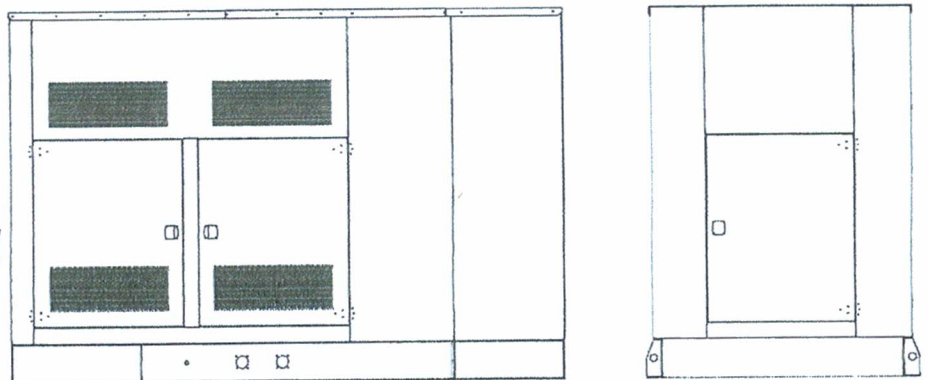
Standard Enclosed Unit

Options:

- Sound Attenuated Enclosure
- Load Center, Lights & GFI Receptacle

OVERALL SIZE: 150"L x 75"W x 94"H
 Approximate Weight: 11,000 lbs.

Note: Dimensions and weights reflect standard enclosed unit with no options and are subject to change.



Note: The above drawings are provided for reference only and should not be used for planning installation. Contact your local distributor for more information.

SUPERIOR COURT OF THE STATE OF CALIFORNIA
County of Nevada



B. SCOTT THOMSEN,
Presiding Judge

LINDA J. SLOVEN,
Assistant Presiding Judge

THOMAS M. ANDERSON, *Judge*

ROBERT L. TAMIETTI, *Judge*

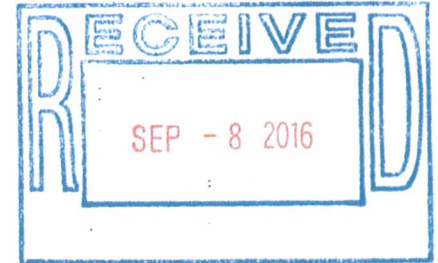
CANDACE S. HEIDELBERGER,
Judge

S. ROBERT TICE-RASKIN, *Judge*

YVETTE DURANT,
Commissioner

201 Church Street
Nevada City, CA 95959
(530) 265-1311

G. SEAN METROKA,
Court Executive Officer



AB 2766 DMV Surcharge Fund
Program

PROPOSAL

2016-2017

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A. EXHIBIT SUMMARY SHEET

Proposing Entity (include other participating entities): Superior Court of California, County of Nevada

Contact Person: David Schlothauer

Address: 201 Church St, Nevada City CA 95959

Phone #: 530 265-1311

FAX #: 530 478-1938

EMAIL: dschlothauer@nevadacountycourts.com

Total Project Budget:

	AB 2766 Funds	Co-Funding	Total Project Costs
Capital Costs	\$ 40,000	\$ 37,338.35	\$ 77,338.35
Operating Costs	\$	\$	\$
TOTAL	\$ 40,000	\$ 37,778.35	\$ 77,778.35

Type of Project: (check one)

Quantifiable Project

Reduced Emission Vehicles Project

Implementation Area for Project: Check if District-wide

Describe the Implementation Area for the Project (e.g. city, county, region): County (Nevada)

Estimated Emission Reductions:

A. Emission Reductions (lbs/yr)

Reactive Organic Gases 25.612 Nitrogen Oxides 22.496 PM₁₀ 21.522

B. Vehicle Miles Traveled (VMT) Reduced 44,200

Single Occupancy Vehicle Trips Reduced 1,767

C. Number of people reached per day through public education 50

Cost-effectiveness: \$ 574.45 per pound (AB 2766 Funds Only)

\$ 68.93 LB

Brief Project Description:

Reduce the overall number of vehicle miles traveled to/from the Courthouse for required appearances in court cases by implementing a Telephonic Appearance System

B. REQUEST FOR PROPOSAL CONTENTS CHECKLIST

Applicant: Superior Court of California, County of Nevada

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 4
 - Emissions Benefits/Cost-Effectiveness – page 5
 - Work Statement - page 5-6
 - Funding Request/Breakdown of Cost - page 7
 - Schedule of Deliverables/Monitoring - page 7
 - All Pages Numbered
 - Three Copies Of Proposal Plus One Original
- (CHECK ONE ONLY)
- Quantifiable Project
 - OR -
 - Reduced Emission Vehicles Project

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August 31, 2016

Northern Sierra Air Quality Management District
200 Litton Drive, Suite 320
Grass Valley, CA 95945

In Re: AB 2766 DMV Surcharge Fund Program (2016-2017)

To whom it may concern:

I hereby authorize David Schlothauer, Director of IT, Facilities and Security, to submit a proposal to the above mentioned Request for Proposal on behalf of the Superior Court of California, County of Nevada,

Entity Information

Superior Court of California,
County of Nevada
201 Church St
Nevada City, CA 95949

Applicant / Contact

David Schlothauer
Director of IT, Facilities and Security
Superior Court of California,
County of Nevada

530 265-7286


David Schlothauer

Authorized By:

G. Sean Metroka
Court Executive Officer
Superior Court of California,
County of Nevada

530 265-1313


G. Sean Metroka

D. Project Description: Telephonic Appearance System

Objectives: Reduce the overall number of vehicle miles traveled to/from the Courthouse for required appearances in court cases by implementing the vCourt© Telephonic Appearance system.

The basic function of vCourt is to allow case litigants and/or lawyers to use their telephones to call directly into the courtroom, thus avoiding the need to make a personal appearance. The real power of vCourt however is its' ability to interface with the Court's Case Management System so it can provide case litigants and attorneys a self-service portal for scheduling and maintaining their appearances. This feature alone will reduce the number of failed appearances, cancellations and trips made to the courthouse on the wrong day or at the wrong time. Overall, the system will greatly increase access to justice for everyone, especially the mobility challenged. It should also prove to reduce roadway traffic and parking lot congestion in and around the courthouses.

E. Project Organization / Background

Organizational Overview and Previous Experience: The Nevada County Superior Court is the primary trial court in the Nevada County area authorized to hear and adjudicate all civil and criminal matters. The agency is comprised of two courthouses, the main courthouse in Nevada City serving western Nevada County and the Truckee Branch courthouse serving the needs of citizens in eastern Nevada County.

The project will be a joint effort between the vendor - American Telesource Inc (ATI) and the Nevada County Superior Court IT Department. The project lead in Nevada County will be IT Director David Schlothauer who has over 30 years' experience working in the IT and telecommunications field. David will also manage/monitor all project tasks, funding sources and cost allocations using a combination of Microsoft Project and Microsoft Excel.

The vendor, American Telesource Inc - is a recognized leader in the telephony industry for both public sector and private companies alike. ATI engineers have several years' experience working with Nevada County Superior Court amongst other courts throughout the state on off-the-shelf and custom computer telephony integration (CTI) projects, many of them leading to widely adopted court technologies such as Jury and Traffic interactive voice (IVR) and interactive web (IWR) systems.

As a fairly new offering, vCourt has the interest of several trial courts throughout the state and has already been implemented in Placer and El Dorado County courts as a means to better service the public and reduce traffic in and around the courthouse.

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F. Emission Benefits / Cost Effectiveness

Calculations: The calculations below are from estimates of number of telephonic appearances and the weighted average mileage of 12.5 miles to/from each zone to/from the nearest courthouse.

Estimated one-way vehicle trip reductions:	1,767	One way trips
Estimated reductions in vehicle miles traveled:	44,200	Miles
Estimated emission reductions and cost-effectiveness: *		
Nitrogen oxides (NOx):	10204.4	grams/year (@.231) <i>g/mile</i>
	22.496	lbs/year
Reactive organic gases (ROG):	11618.0	grams/year (@.263)
	25.612	lbs/year
Particulate Matter (PM10):	9762.7	grams/year (@.221)
	21.522	lbs/year
Cost Effectiveness:	\$1.27	cost/gram (31,585.1 gr)
	\$574.45	cost/lb (69.632 lb)

* Calculations use the 6-10 year lifespan model and reflect AB 2677 portion of funding only

G. Work Statement

Purchase and implement vCourt, a commercially available telephony system that integrates with the Court's Case Management system to manage and deliver virtual appearances to a courtroom conference phone. Once the system has been fully installed and tested, clerks and judges will be trained on how to use the system. Future communications with case litigants and attorneys will include instructions for using the vCourt system as well as being on the Court's website.

This project comprised of four primary components: ATI application and web development; integration with the Court CMS, the Sonexis Conference Manager (hardware) with vCourt licensing, and integration to the Court's 3Com phone system. ATI will develop a web interface that will allow parties and/ or attorneys to register online for telephonic appearance(s). ATI vCourt will connect to the Sonexis conference bridge via API so case and attendee information can be passed to operators (court clerks). The Sonexis Conference system will connect to 3Com NBX via T1/PRI interface and will receive calls passed from incoming trunks on the NBX system for outside callers to dial in, as well as callers in the Courtroom to dial into the bridge.

Task List:

Physical Installation

The technician will unpack the Sonexis Conference Manager and prepare it for rack mounting. The technician will install the ConferenceManager in the rack location selected by the customer using the included rail mount kit. The customer will provide all required tools, and rack screws and nuts appropriate to the rack. Customers may choose to rack mount the Sonexis ConferenceManager prior to the arrival of the Sonexis technician at their own discretion.

Cabling

Sonexis will provide the required power cables for the Sonexis ConferenceManager. The ConferenceManager should be connected to a suitable UPS/surge protection device. The customer will provide all network, telephony and KVM (video/keyboard/mouse) cabling required to connect the Sonexis ConferenceManager to the customer's infrastructure. Typical cabling required includes:

1- Cat 5 or 6 Ethernet cable for network connectivity. If the customer chooses to utilize both Network Interface Cards, 2 cables will be required.

1- Keyboard/Mouse/Monitor or suitable KVM connection

PBX Configuration

Court (or Court's Vendor) will configure the PBX as required for the SIP integration.

Sonexis Configuration

After completing the physical and connectivity portions of the installation the Sonexis technician will conduct the configuration of the Sonexis ConferenceManager as part of the administration training.

ATI Responsibilities:	Check
Full requirements gathering	<input checked="" type="checkbox"/>
Provide list of required data/tables	<input checked="" type="checkbox"/>
Project Management	<input checked="" type="checkbox"/>
Installation and configuration of software	<input checked="" type="checkbox"/>
QA testing the application	<input checked="" type="checkbox"/>
Cutting the system over	<input checked="" type="checkbox"/>
Application Development	<input checked="" type="checkbox"/>
Legend: <input checked="" type="checkbox"/> = ATI providing	

Court Responsibilities:	Check
Provide designated contact as project lead	<input checked="" type="checkbox"/>
Provide onsite contact for project rollout and network support	<input checked="" type="checkbox"/>
Preparing and testing access to the database	<input checked="" type="checkbox"/>
Support gathering requirements and database definitions	<input checked="" type="checkbox"/>
Domain account with local admin on ATI server(s)	<input checked="" type="checkbox"/>
Finalize and approve software	<input checked="" type="checkbox"/>
Gathering test data	<input checked="" type="checkbox"/>
User acceptance testing	<input checked="" type="checkbox"/>
Cutting the system over	<input checked="" type="checkbox"/>
Provide VPN access for installation and ongoing support	<input checked="" type="checkbox"/>
Order telco services	<input checked="" type="checkbox"/>
Provide Ethernet, UPS and Rackspace for Sonexis equipment	<input checked="" type="checkbox"/>
Provide T1/PRI Telephony interface on PBX	<input checked="" type="checkbox"/>
Provide a Windows web server to run the web interface	<input checked="" type="checkbox"/>
Provide a Windows environment to run the e-mail reminder application	<input checked="" type="checkbox"/>
Legend: <input checked="" type="checkbox"/> = Court providing	

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H. Cost Breakdown

Task	Cost	AB2766 Funded	Court Funded
vCourt Conferencing	21,880	10,940	10,940
vCourt – Port Licensing	18,000	9,000	9,000
vCourt – Professional Services	31,350	15,675	15,675
vCourt – Promotional Discount	-6,000	-3,000	-3,000
Annual HW SW Support (*)	10,440	7,385	3,055
Sales Tax	1,668.35		1,668.35
	\$77,338.35	\$40,000	\$37,338.35

* - this is an ongoing cost and will be entirely paid for by the courts in each future year.

Cost Monitoring

The court Project Lead will track, monitor and report to the AQMD using the supplied Monitoring Reports (monthly Financial and Project Monitoring). All assets received relative to this initiative will be input, tagged and tracked by the Courts SAP Accounting and Inventory systems and by project specific MS Excel spreadsheets.

I. Schedule of Deliverables / Monitoring

The court and vendor will need to jointly agree upon a time to commence the installation, configuration and eventual testing of the system. Prior to that, several physical preparations including the delivery and staging of the hardware must be in place.

Task Name	Duration	Start	Finish	February 2017							March 2017							April 2017							May 2017								
				31	3	6	9	12	15	18	21	24	27	2	5	8	11	14	17	20	23	26	29	1	4	7	10	13	16	19	22	25	28	1	4	7	11
Kick-off meeting	3 days?	Wed 2/1/17	Fri 2/3/17	█																													
Site Prep	15 days?	Mon 2/6/17	Fri 2/24/17	████████████████████																													
Order Equipment	5 days?	Mon 2/6/17	Fri 2/10/17	██████																													
Order Software	5 days?	Mon 2/6/17	Fri 2/10/17	██████																													
Equipment Delivery/Staging	20 days?	Mon 2/20/17	Fri 3/17/17	██																													
Software Delivery/Staging	10 days?	Mon 2/20/17	Fri 3/3/17	████████████████████																													
Install Hardware / Software	10 days	Mon 3/20/17	Fri 3/31/17	██																													
Customizations	14 days	Fri 3/31/17	Wed 4/19/17	██																													
Testing	5 days	Mon 4/17/17	Fri 4/21/17	████████████████																													
Training	6 days?	Fri 4/21/17	Fri 4/28/17	████████████████████																													
Go Live	5 days?	Mon 5/1/17	Fri 5/5/17	████████████████																													

Monitoring of Project Objectives and Cost Effectiveness

The court Project Lead and the Director of Operations will use the built in usage tracking and reporting capabilities provided with the system to derive data from the participants in the program (number of people reached) and the VMT offset based on home addresses or zip code.

Initial demand for a new system may be relatively low as the Court will not have had sufficient time to notify all case participants and we can foresee reluctance to using a new system in the middle of an open case. Usage projections will be made at the end of the fiscal year based on the number of actual participants using the system and fine-tuned each quarter. Cost effectiveness projections will also factor in average VMTs NOT traveled over the initial phase of the project.

EXHIBIT SUMMARY SHEET

Proposing Entity (include other participating entities): **Hansen Bros. Enterprises**

Contact Person: **Lerry Peterson**

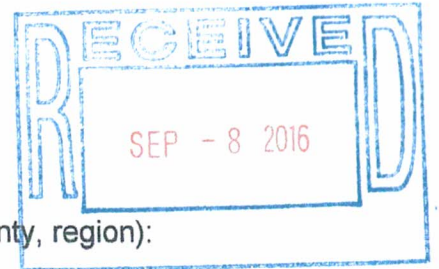
Address: **P.O. Box 1599 (11727 La Barr Meadows Rd.) Grass Valley, CA 95945**

Phone #: **(530) 273-3381** FAX #: **(530) 273-4396** EMAIL: **lpeterson@gohbe.com**

Total Project Budget:	AB 2766 Funds	Co-Funding	Total Project Costs
Capital Costs	<u>\$35,700.00</u>	<u>\$ 14,000.00</u>	<u>\$ 49,700.00</u>
Operating Costs	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>
TOTAL	<u>\$ 35,700.00</u>	<u>\$ 14,000.00</u>	<u>\$ 49,700.00</u>

Type of Project: (check one)

- Quantifiable Project
- Reduced Emission Vehicles Project



Implementation Area for Project: Check if District-wide

Describe the Implementation Area for the Project (e.g. city, county, region):

Estimated Emission Reductions:

- A. Emission Reductions (lbs/yr) 70
 Reactive Organic Gases ___ Nitrogen Oxides ___ PM₁₀ 70
- B. Vehicle Miles Traveled (VMT) Reduced _____
 Single Occupancy Vehicle Trips Reduced _____
- C. Number of people reached per day through public education ___

Cost-effectiveness: ~~\$ 9.50~~ \$ 61.20 per pound (AB 2766 Funds Only)

Brief Project Description: To improve air quality by replacing seven recalled Cleaire Longmile Diesel Particulate Filters, of which 3 ea. had been purchased in 2011 by Hansen Bros. Ent. and 4 ea. had been purchased in 2012 by Hansen Bros Ent. including funds from NSAQMD w/AB2766.

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REQUEST FOR PROPOSAL CONTENTS CHECKLIST

Applicant: **Hansen Bros. Enterprises**

Please complete and attach this checklist with your application.

Exhibit Summary Sheet - page 1-1

Request for Proposal Contents Checklist - page 2-1

Authorization Letter/Resolution - page 3

Project Description - page 4

Project Organization/Background - page 5

Emissions Benefits/Cost-Effectiveness - page 6

Work Statement – page 7

Funding Request/Breakdown of Cost - page 8

Schedule of Deliverables/Monitoring - page 9

All Pages Numbered

3 Copies of Proposal, One Original

(CHECK ONE ONLY)
Quantifiable Project

- OR -

Reduced Emission Vehicles Project

GENERAL ENGINEERING CONTRACTOR
CSL# 207705
Residential & Commercial Site Development
Quality Aggregates & Ready Mixed Concrete
HBE Equipment Rentals • Sales • Service
Landscape & Masonry Products
U-Cart Concrete



Grass Valley: (530) 273-3381 – All Services
(530) 273-3100 - Rental Yard
(530) 272-5401 - Main Office Fax
Colfax: (530) 346-2432 – Ready Mix Concrete
(530) 346-8174 - Landscape/Masonry Yard
(530) 346-8798 - Main Office Fax
www.gohbe.com

December 28, 2015

To Whom It May Concern:

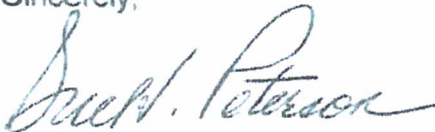
At a regularly scheduled Board of Directors meeting, December 28, 2015, the board restated the resolution of the board authorizing any and all of the corporate officers of Hansen Bros. Enterprises to conduct all normal business of the corporation, including, but not limited to, banking and financial transactions, securing of operating capital, equipment purchases, equipment loans, line(s) of credit, real estate transactions, insurance, bonding and other business of the corporation.

Duly elected officers of the corporation are:

Jeffery I. Hansen	President and General Manager
Sue H. Peterson	Vice President and Corporate Secretary
Frank P. Bennalack	Vice President and Corporate Treasurer
Lerry D. Peterson	Vice President, Special Projects
Craig I. Arthur	Vice President, Rental Mgr. and IT coordinator
Helen Hansen	Vice President and Cash Manager

These officers, any and all, are hereby directed to conduct the business of the corporation of Hansen Bros. Enterprises for 2016 or until further notice.

Sincerely,



Sue H. Peterson
Corporate Secretary
Hansen Bros. Enterprises
speterson@gohbe.com

page 3

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Project Description

Applicant: Hansen Bros. Enterprises

Objectives:

- To improve air quality by replacing seven recalled Cleaire Longmile Diesel Particulate filters (DPF). 3 ea. were outright purchased by Hansen Bros. Enterprises (HBE) in 2011, for a cost of \$43,151, and 4 ea. were purchased in 2012 with the help of a NSAQMD AB 2766 DMV Grant of \$30,088 and a HBE cost of \$31,312. Cleaire recalled and removed these DPFs 11/2012 and then ceased operations. CARB issued Temporary Compliance Permits good until 8/16/2017 to give time for CARB to create funding to replace the Cleaire products since CARB had approved and verified the Cleaire DPF. CARB has not come up with a funding program to replace our DPFs and sent a letter stating we are responsible to replace these DPFs before 8/16/2017.

Note: Because of the unusual circumstances of the recall and the deadline for replacement to stay in compliance, as outlined above, the contract period for this grant must end by August 1, 2017 and these filters/funds will not be considered as needed for compliance since the original DPF's were bought and complied as noted above.

Scope:

1. Request bids for the replacement of seven recalled Cleaire Longmile Diesel Particulate Filters.
2. Order the above mentioned Diesel Particulate Filters that are again verified by CARB.
3. Schedule installation of the new Diesel Particulate Filters.
4. Report to CARB that the recalled Filters have been replaced with new verified Filters.
5. Log the odometer readings on the trucks that have the replacement filters, so the annual mileage can be reported using the company's computerized program to calculate cost effectiveness of AB2766 DMV surcharge program.

Project Organization/Background

Applicant: Hansen Bros. Enterprises

Organization: Hansen Bros. Enterprises started business in 1953 and is a General Engineering Contractor, CSL 207705, producer of aggregate materials, ready mix concrete, a landscape and masonry materials supplier and operates 2 equipment rental yards.

At present time Hansen Bros. has approximately 99 employees, operate 40 Heavy Duty Diesel trucks and 88 Diesel Off-Road pieces of heavy equipment. Operations are seasonal.

Background (Air Quality Improvements):

AB 2766 and AB 923 with PCAPCD, 2011: Repower with a tier 3 engine in a 1999 John Deere 544H loader. Provider and installing subcontractor: Pape Equipment, the Sacramento John Deere dealer. PCAPCD contact: Heather Kuklo at 530-745-2339.

AB 2766 DMV Surcharge Fund Program with NSAQMD, 2012: Cleaire Longmile Diesel Particulate Filters installed on 4 more trucks. Provider and installer: A-Z Bus Sales Emissions Solutions Group of Sacramento, California.

AB 2766 DMV Surcharge Fund Program with NSAQMD, 2013,2014 and 2015: Purchase of new Class 8 Diesel Trucks. Provider: Nor-Cal Kenworth, Sacramento, California.

Hansen Bros. Enterprises funded, 2011: Installations of Cleaire Longmile, Diesel Particulate Filters on 4 class 8 trucks. Provider and installer: Cummins West of Sacramento and A-Z Bus Sales Emissions Solutions Group, installed 2 units each.

Carl Moyer funded programs with NSAQMD, 2008, 2012 and 2014: Repowers of new tier 3 engines on 1976, 1978 and 1979 Caterpillar 633D scrapers. Provider and installing subcontractor: Holt of California, the Sacramento Caterpillar dealer.

Hansen Bros. Enterprises tracks all costs and progress on a daily basis with Viewpoint Construction Software, Equipment Management module. Work Orders are assigned for maintenance, repairs and subcontract work. Mileage and hours of trucks and equipment are logged and entered into the computer on a reoccurring basis so we can track both cost efficiency and emissions reductions.

Preparation and management of this project will be handled by Lerry Peterson, Vice President, Special Projects.

The worksheet calculator used in preparing estimates of emissions reductions for the proposal and reporting is provided by NSAQMD, entitled "Emissions Reduction and Cost Effectiveness Spreadsheet Calculator", and may be found on page T2 of the Technical Appendix.

Emission Benefits/Cost Effectiveness

Applicant: Hansen Bros. Enterprises

Emission Benefits:

Project life:	5 years
Annual PM10 reductions:	70 lbs/year

Annual Vehicle Miles Traveled (VMT) 2015: 112,874 miles/year.

Total project cost:	\$49,700.00
AB 2766 cost: 70%	\$35,700.00

Total project cost-effectiveness:	\$9.50 \$/lb.
AB 2766 cost-effectiveness:	\$6.65 \$/lb.

The above information is based on the attached page T2 work sheet Emission Reduction and Cost Effectiveness Spreadsheet Calculators provided by NSAQMD in 2012.

Please see the work sheet in the technical appendix entitled Total 2015 miles for each of the seven trucks page T1,

Work Statement

Applicant: Hansen Bros. Enterprises

January 3, 2017: Request final quotes and Purchase Orders from dealer for 7 new ESW Longmile "S" Diesel Particulate Filters (DPF).

January 16, 2017: After comparing the quotes, sign and return the Purchase Orders with delivery instructions.

+ April 14, 2017: Take trucks to the dealer for installation of the 7 new DPF's.

+ April 28, 2017: Take delivery of the trucks with the 7 new DPF's installed and operating.

+ May 3, 2017: Log the beginning odometer readings on work orders so the tracking of miles driven, can be recorded in our computer Equipment Management module for Emission Cost-Effectiveness Calculations.

May 4, 2017: Receive invoice from truck dealer.

May 10, 2017: Install decals stating: **"The Diesel Exhaust Filter on this truck was partially funded by NSAQMD utilizing DMV Surcharge Funds to improve local air quality"**.

May 15, 2017: Send Final Report and Claim for Payment along with a copy of the truck dealer's invoice to NSAQMD.

Funding Request/Breakdown of Cost

Applicant: Hansen Bros. Enterprises

Task	AB 2766 Cost	HBE Cost	Total Cost
Truck # TD448 new DPF	\$6,257.00	\$2,496.00	\$8,753.00
Truck # TD470 new DPF	\$6,257.00	\$2,496.00	\$8,753.00
Truck # TD493 new DPF	\$6,257.00	\$2,496.00	\$8,753.00
Truck # TR218 new DPF	\$4,232.00	\$1,628.00	\$5,860.00
Truck # TR225 new DPF	\$4,232.00	\$1,628.00	\$5,860.00
Truck # TR226 new DPF	\$4,232.00	\$1,628.00	\$5,860.00
Truck # TR227 new DPF	\$4,233.00	\$1,628.00	\$5,861.00
Grand Total Direct Cost*:	\$35,700.00	\$14,000.00	\$49,700.00

*Planning, monitoring, management, miscellaneous, operating and administrative costs will be paid separately by Hansen Bros. Enterprises and are not included in the "Grand Total Direct Cost."

This project will be monitored using our computer Equipment Management module for tracking annual mileage on each truck and using the Emission Reduction and Cost Effectiveness, located in the Technical Appendix, page T1, provided by NSAQMD, and the ARB methods to find the cost effectiveness of funding this air quality project.

Schedule of Deliverables/Monitoring Program

Applicant: Hansen Bros. Enterprises

Since this is a unique project, because of the Cleaire recall and CARB not stepping up to the plate as promised, we must fast track the schedule of deliveries and monitoring program as outlined on page 4, Project Description, and must have this project completed and closed out by August 1, 2017.

We will be collecting data (mileage) for all of the trucks that receive the new Diesel Particulate Filters, partially funded by AB2766 funds, beginning mileage upon delivery and throughout the year. Again, as soon as the DPF's are installed and operating, we will send a Final Report and Claim for Payment. Miles, hours and fuel usage are tracked and entered into our computer Equipment Management Module every time a truck fuels or has service. This data is always available and can be plugged into the Emission Reduction and Cost Effectiveness Spreadsheet Calculator, by NSAQMD, to determine the cost-effectiveness of funding this air quality project.

Schedule:

January 16, 2017: Order the replacement Diesel Particulate Filters.

+/- April 28, 2017: Take delivery and log beginning odometer readings into our computer Equipment Management Module.

+/- May 15, 2017: Send Final Report and Claim for Payment, continue monitoring mileage so cost-effectiveness can be reviewed anytime.

Hansen Bros. Enterprises 2015 Truck Mileage

Truck #	Description	OD reading 12/31/2014	OD reading 12/31/2015	Total miles 2015
TD448	Truck, KW Transfer Truck T800	675547	702684	27137
TD470	Truck, KW Transfer Truck	609219	635648	26429
TD493	Truck, KW, 3 Axle Flatbed	530453	536590	6137
TR218	Truck, KW, 10CY Mixer	119074	136811	17737
TR225	Truck, KW 8 CY Mixer	156189	166723	10534
TR226	Truck, KW 8 CY Mixer	173707	187233	13526
TR227	Truck, KW 8 CY Mixer	136078	147452	11374

Emission Reduction and Cost Effectiveness Spreadsheet Calculator

Onroad: Repower and New Equipment Purchase

Onroad: Repower and New Equipment Purchase

Onroad: Repower and New Equipment Purchase

Record Number	Baseline Engine/Equipment					Replacement Engine/Equipment					Results										
	Baseline Emission Rate (g/mile or g/hp-hr)	Baseline Fuel Use (gallons)	Conv Factor (g/hp-hr)	Annual VMT	Conv Factor (g/hp-hr -> g/mi)	Percent Operation in California	New Emission Rate (g/mile or g/hp-hr)	Replacement Engine/Vehicle Cost	Conv Factor (g/hp-hr)	Conv Factor (g/hp-hr -> g/mi)	Rebate Cost	% Reduction from Retrofit	Project (lb./yr)	Weighted C/E (\$/ton)	Based on Fuel	Based on Mileage	Based on Fuel	Maximum Grant Amount	Based on Fuel	Contract Amount	C/E (\$/bu.)
HBE TR2448	0.400			27,137		100%	0.340	\$8,753		\$8,753	80%	5	9,689	---	0.010	---	---	\$8,753	---	---	\$4.71
HBE TR2470	0.400			26,429		100%	0.340	\$8,753		\$8,753	80%	5	41,840	---	0.002	---	---	\$3,006	---	---	\$20.82
HBE TR2493	0.400			5,137		100%	0.210	\$3,860		\$3,860	80%	5	18,267	---	0.004	---	---	\$9,489	---	---	\$7.69
HBE TR2218	0.252			17,737		100%	0.210	\$3,860		\$3,860	85%	5	28,708	---	0.003	---	---	\$3,260	---	---	---
HBE TR2225	0.252			10,534		100%	0.210	\$3,860		\$3,860	95%	5	20,020	---	0.003	---	---	\$4,186	---	---	---
HBE TR2226	0.252			13,526		100%	0.210	\$3,860		\$3,860	85%	5	23,807	---	0.003	---	---	\$3,320	---	---	---
HBE TR2227	0.252			11,374		100%	0.210	\$3,860		\$3,860	85%	5	---	---	---	---	---	---	---	---	---

Notes:
Refer to Appendix D in CDP Guidelines for calculation methodology.

Column

- A Tracking number
- B-D Baseline Engine Inputs
 - B-D From Tables B-2 through B-7 (see page D-3)
 - E Cost to rebuild existing engine or for new vehicle certified to current standard. (May include labor, parts and tax)
 - F Average annual fuel consumption for specific vehicle. (Optional: may use Annual VMT instead)
 - G From Table B-8. Use when emission factors are available and using 'fuel' method
 - H Average annual mileage for specific vehicle. (Optional: may use Annual Fuel Use instead)
 - I From Table B-8. Use when emission factors are available and using 'mileage' method.
 - J Percent of annual mileage (column H) or annual fuel consumption (column F) realized in California or within a specific air district (must specify).

Replacement Engine Inputs

- M-O From Tables B-2 through B-7 (see page D-3)
- P May include labor, parts and tax
- Q May include labor, parts, vehicle costs and tax
- R From Table B-8. Use when emission factors are available and using 'fuel' method
- S From Table B-8. Use when emission factors are available and using 'mileage' method
- T Cost of emission control retrofit device. May include labor, tax and maintenance costs
- U-Y Retrofit device effectiveness from verification Executive Order
- Z Life of retrofit device as a percentage of engine/vehicle life

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TAHOE TRUCKEE
UNIFIED SCHOOL DISTRICT

Pathways to Possibilities and Student Success

Robert J. Leri, Ed.D., Superintendent Chief Learning Officer

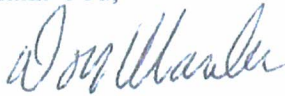
9/8/2016

Northern Sierra Air Quality Management District
Attention: Joe Fish
PO Box 2509
Grass Valley, CA 95945

Dear Mr. Fish

Attached you will find our completed grant RFP. There were some aspects of the RFP that were somewhat vague and if anything was left out, please call me and I will attempt to clarify any questions.

Thank You,



Don Harder
Fleet Manager
Tahoe Truckee Unified School District
530 550-0776



District Office

11603 Donner Pass Rd.
Truckee, CA 96161-4953
(530) 582-2500
Fax: (530) 582-7606

Elementary Schools

Donner Trail Elementary
52755 Donner Pass Rd.
Kingvale, CA 95728
426-3639

Glenshin Elementary
10990 Donhesco Drive
Truckee, CA 96161
582-7675

Kings Beach Elementary
8125 Steelhead Ave.
Kings Beach, CA 96143
516-2605

Tahoe Lake Elementary
375 Grove St.
Tahoe City, CA
583-3010

Truckee Elementary
11911 Donner Pass Rd.
Truckee, CA 96161
582-2650

Intermediate Schools

Alder Creek Middle
10931 Alder Drive
Truckee, CA 96161
582-2750

North Tahoe 5-8
2945 Polaris Rd.
Tahoe City, CA 96145
581-7050

High Schools

Cold Stream Alternative
11661 Donner Pass Rd.
Truckee, CA 96161
582-0157

North Tahoe High
2945 Polaris Rd.
Tahoe City, CA 96145
581-7000

Sierra High
11661 Donner Pass Rd.
Truckee, CA 96161
582-2640

Tahoe Truckee High
11725 Donner Pass Rd.
Truckee, CA 96161
582-2600

Board Of Trustees

Dianna Driller
Randy Hill
Gaylan Larson
Kirsten Livak
Kim Szczarek

*An Equal Opportunity
Employer*

EXHIBIT SUMMARY SHEET

Proposing Entity (include other participating entities): Tahoe Truckee Unified School District

Contact Person: Don Harder

Address: 12485 Joerger Drive Truckee, CA 96161

Phone #: 530 550-0776

FAX #: 530 550-0739

EMAIL: dharder@ttusd.org

Total Project Budget:	AB 2766 Funds	Co-Funding	Total Project Costs
Capital Costs	\$ 129,480.80	\$ 32,370.20	\$ 161,851.00
Operating Costs	\$ _____	\$ _____	\$ _____
TOTAL	\$ 129,480.80	\$ 32,370.20	\$ 161,851.00

Type of Project: (check one)

Quantifiable Project

Reduced Emission Vehicles Project

Implementation Area for Project: Check if District-wide

Describe the Implementation Area for the Project (e.g. city, county, region):

Estimated Emission Reductions:

A. Emission Reductions (lbs/yr)

Reactive Organic Gases n/a Nitrogen Oxides n/a PM₁₀ 231

B. Vehicle Miles Traveled (VMT) Reduced n/a

Single Occupancy Vehicle Trips Reduced n/a

C. Number of people reached per day through public education entire community

Cost-effectiveness: \$ ~~71.30~~ per pound (AB 2766 Funds Only)

\$ 67.26

Brief Project Description: Install ten CARB verified diesel emissions reductions systems on ten buses.

REQUEST FOR PROPOSAL CONTENTS CHECKLIST

Applicant: Tahoe Truckee Unified School District

Please complete and attach this checklist with your application.

Exhibit Summary Sheet - page 2

Request for Proposal Contents Checklist - page 3

Authorization Letter/Resolution - page 4

Project Description - page 5

Project Organization/Background - page 6

Emissions Benefits/Cost-Effectiveness - page 7-9

Work Statement - page 10

Funding Request/Breakdown of Cost - page 11

Schedule of Deliverables/Monitoring - page 12

All Pages Numbered

3 Copies of Proposal, One Original

(CHECK ONE ONLY)
Quantifiable Project

- OR -

Reduced Emission Vehicles Project



TAHOE TRUCKEE
UNIFIED SCHOOL DISTRICT

Pathways to Possibilities and Student Success

Robert J. Leri, Ed.D., Superintendent Chief Learning Officer

September 7, 2016

Northern Sierra Air Quality Management District
PO Box 2509
Grass Valley, CA 95945

Dear Northern Sierra Air Quality Management District:

The following individual(s) are authorized to submit a proposal on Behalf of the Tahoe Truckee Unified School District:

Project Managers for Proposal

Nanette Rondeau
Director of Transportation
12485 Joerger Drive
Truckee, CA 96161
(530) 550-0745 nrondeau@ttusd.org

Don Harder
Fleet Supervisor
12485 Joerger Drive
Truckee, CA 96161
(530) 550-0763 or (530) 550-0745

Authorized Signees of Proposal:

Todd Rivera
Executive Director of Business Services
11603 Donner Pass Road
Truckee, CA 96161
(530) 582-2541 trivera@ttusd.org

Fal Asrani
Deputy Chief Learning Officer, Educational Services (Deputy Superintendent)
11603 Donner Pass Road
Truckee, CA 96161
(530) 582-2538 fasrani@ttusd.org

Robert J. Leri, Ed.D.
Superintendent Chief Learning Officer
11603 Donner Pass Road
Truckee, CA 96161
(530) 582-2550 rleri@ttusd.org

Signature: 
Robert J. Leri, Ed.D.
Superintendent Chief Learning Officer

Date: September 7, 2016

District Office
11603 Donner Pass Rd.
Truckee, CA 96161-4953
(530) 582-2500
Fax: (530) 582-7606

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546-2605

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Tahoe City, CA 96145
581-7000

Sierra High
11661 Donner Pass Rd.
Truckee, CA 96161
582-2640

Tahoe Truckee High
11725 Donner Pass Rd.
Truckee, CA 96161
582-2600

Board Of Trustees

Dianna Driller,
Randy Hill,
Gaylan Larson,
Kirsten Livak,
Kim Szcurek

*An Equal Opportunity
Employer*

(D) Project Description

Under this proposal ten (10) Tahoe Truckee USD school buses will receive catalyzed DPF systems that are Verified Level 3+ emissions reductions devices by the California Air Resources Board. These systems will provide a verified 85 percent reduction in Particulate Matter. The calculations for these reductions are listed below. In addition to the Level 3 PM reduction, the catalyst will reduce Carbon Monoxide by 90 percent. This is critical to the drivers, students, and communities in which the buses operate because the current, failing, systems installed on the buses have no CO reduction and the original equipment CO reduction devices were removed to install them. This means the engines are emitting CO levels far beyond the original engine configuration.

E) Project Organization/Background

The Tahoe Truckee Unified School District transportation department provides transportation to 3,000 students covering over 500,000 miles a year. The department operates 35 diesel vehicles which consume 77,700 gallons of diesel fuel each year. The fleet operates these diesel vehicles from Kingvale on the East side of Donner Summit to Floriston on highway 80 towards Reno, from Tahoma on the Westshore of Lake Tahoe to Prosser on the North end of highway 89.

The District has actively been moving toward reducing the impact diesel emissions within the Tahoe Truckee School District community. Buses are replaced with the newest, cleanest, diesel technology when district funds are adequate and apply for grants when they are not. In the past The District has been awarded funding for the replacement of three old buses with new buses. For the buses that did not qualify for replacement The District has been awarded funding for diesel emissions reduction technology that is retrofitted onto the existing engines. This technology drastically reduces the impact of diesel emissions on the community, students, and operators. Twenty three buses from our fleet have been retrofitted in the past with the help of various state grant programs. However, the retrofit emissions systems have exceeded their usable life and need to be replaced.

The proposal is to install CARB Verified diesel emissions reductions systems on ten (10) school buses in the Tahoe Truckee Unified School District fleet. The District would hire an outside company to complete the evaluations and installations of these systems. Below is information on Diesel Emissions Service, the company we have selected:

DIESEL EMISSIONS SERVICE:

Started in 1978 by the Hoke family under the name North State Truck Equipment as a diesel truck parts and repair location. The Northern California Company has grown and changed from diesel engine rebuilders and specialists into a premier diesel emission reduction company in the country. They are dealers for all of the CARB-verified on-road DPF systems available today. They have completed over 10,000 retrofits of which over 1,000 of them have been school buses. Diesel Emissions Service is listed as a current installer of these Verified devices by the California Air Resources Board (CARB). They have six locations from the Los Angeles area up to Vancouver BC Canada. Their Sacramento location will be completing this project.

ACCOUNTING:

The tracking of the project costs will be completed individually for each bus. Diesel Emissions Service will provide a single, complete, invoice for the parts, labor, taxes, and any other fees for each bus. The invoice will be recorded through the normal Tahoe Truckee Unified School District accounting management system, as required and routinely checked by State standards.

(F) Emissions Benefits/Cost Effectiveness

Under this proposal ten (10) Tahoe Truckee USD school buses will receive catalyzed DPF systems that are Verified Level 3+ emissions reductions devices by the California Air Resources Board. These systems will provide a verified 85 percent reduction in Particulate Matter. The calculations for these reductions are listed below. In addition to the Level 3 PM reduction, the catalyst will reduce Carbon Monoxide by 90 percent. This is critical to the drivers, students, and communities in which the buses operate because the current, failing, systems installed on the buses have no CO reduction and the original equipment CO reduction devices were removed to install them. This means the engines are emitting CO levels far beyond the original engine configuration.

Methods to Find the Cost-Effectiveness of Funding Air Quality Projects -- 2005 Edition table 1: Diesel Bus Emissions Factors:

Results for a 2005 Caterpillar powered bus:

ROG VMT Factor in g/mile: For Model Year 2003+ emission factors, Use actual engine certification factors. Page 48

CO VMT Factor in g/mile: For Model Year 2003+ emission factors, Use actual engine certification factors. Page 48

NOx VMT Factor in g/mile: For Model Year 2003+ emission factors, Use actual engine certification factors. Page 48

PM10- Exhaust VMT Factor in g/mile: For Model Year 2003+ emission factors, Use actual engine certification factors. Page 48

Vehicle Miles Traveled (VMT): 45 mph used in the Emissions Factor. Table 1, Page 48.

As per above, we have used the California Air Resources Board engine Executive Order A-013-0176 (attached). Below are the engine emissions performance data from the EO:

2005 Caterpillar, inc

EPA Engine Family: **5CPXH0442HBK**

Horsepower: **275 bhp**

CO: **5.2 g/bhp-hr**

PM: **0.10 g/bhp-hr**

NMHC+NOx: **2.4 g/bhp-hr**

Annual Vehicle Miles Traveled (VMT): as per the records, available upon request, from Tahoe Truckee USD Fleet department, are 202,725.0 total miles for all ten buses.

(F) Emissions Benefits/Cost Effectiveness (continued)

BEFORE: PM VMT @45mph: $0.10\text{g/bhp-hr} \times 275\text{bhp} = 27.50\text{ g/hr}$.

$27.50\text{g/hr} / 45\text{mph} = 0.61\text{ g/mi}$.

AFTER 85% REDUCTION: CO VMT @45mph: $0.015\text{g/bhp-hr} \times 275\text{bhp} = 4.125\text{ g/hr}$.

$4.125\text{g/hr} / 45\text{mph} = 0.092\text{ g/mi}$.

PM VMT EMISSIONS calculations: $202725.0\text{ miles} * ((0.61-0.092)/454) = \underline{231.30\text{ lbs/year}}$

BEFORE: CO VMT @45mph: $5.2\text{g/bhp-hr} \times 275\text{bhp} = 1430\text{ g/hr}$.

$1430\text{g/hr} / 45\text{mph} = 31.8\text{ g/mi}$.

AFTER 90% REDUCTION: CO VMT @45mph: $0.52\text{g/bhp-hr} \times 275\text{bhp} = 143\text{ g/hr}$.

$1430\text{g/hr} / 45\text{mph} = 3.18\text{ g/mi}$.

CO VMT EMISSIONS calculations: $202725.0\text{ miles} * ((31.8-3.18)/454) = \underline{12,777.9\text{ lbs/year}}$

Project Cost Calculations:

Total project cost: \$161,851.

Tahoe Truckee USD contribution: \$32,370.20

Total Project funding requested: \$129,480.80

Project Capital Recovery Calculations:

Project Life of 14 years: Capital Recovery Rate of 0.089

Capital Recovery Rate $= ((1+0.03)^{14} * (0.03)) / ((1+0.03)^{14} - 1)$

Amortization Formula used:

$A = P \left(i + \frac{i}{(1+i)^n - 1} \right)$

A= annual Capitol Recovery

P=Funding Requested

i= Capitol Recovery rate (discount)

n=total years for Recovery.

14 years= \$16,492 = $\$129,480.80 * ((0.089 + ((0.089 / ((1+0.089)^{14} - 1))))$

Review of Calculations:

Annual PM VMT reduction: **231.30 lbs/ yr**

Annual CO VMT reduction: **12,777.9 lbs/yr**

Annual ROG VMT reduction: **0 lbs/yr**

Annual NOx VMT reduction: **0 lbs/yr**

(F) Emissions Benefits/Cost Effectiveness (continued)

"Cost-effectiveness is determined by dividing annualized funds by annual emission reductions"

14 year calculations:

\$71.30 dollars per lbs per year: PM only

\$16,492 / 231.30 lbs/yr

\$1.92 dollars per lbs per year: CO only

\$16,492 / 12,777.9 lbs/yr

\$1.27 dollars per lbs per year Total emissions reductions.

\$16,492 / 13009.2 lbs/yr

(G) Projected Work Statement

- 1) June 26, 2017-move ten buses to Diesel Emissions Service in Sacramento for level III HUD DPF system installation.
- 2) July 31, 2017-pick up completed buses.
- 3) July 31, 2017-Install placard indicating funding from NSAQMD DMV surcharge funds.
- 4) Involved parties: Diesel Emissions Service- Started in 1978 by the Hoke family under the name North State Truck Equipment as a diesel truck parts and repair location. The Northern California Company has grown and changed from diesel engine rebuilders and specialists into a premier diesel emission reduction company in the country. They are dealers for all of the CARB-verified on-road DPF systems available today. They have completed over 10,000 retrofits of which over 1,000 of them have been school buses. Diesel Emissions Service is listed as a current installer of these Verified devices by the California Air Resources Board (CARB). They have six locations from the Los Angeles area up to Vancouver BC Canada. Their Sacramento location will be completing this project.
- 5) Technology: CARB verified level III+ passive regeneration diesel particulate filter

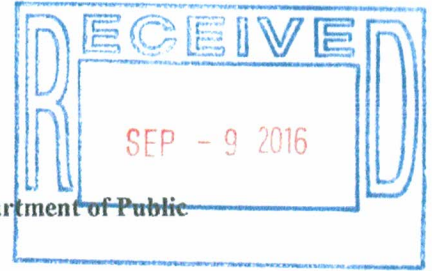
(H) Funding Request/Breakdown of Cost

AB 2766 DMV funding	\$129,480.80
Co Funding TTUSD	32,370.20
Total	\$161,851.00

(I) Schedule of Deliverables/Monitoring Program

- 1) All ten completed bus projects will be picked up by July 31, 2017.
- 2) Each bus will have HUG system installed individually and work will be documented and followed by installer work orders.
- 3) The number of people reached by this project will include the entire school district area which includes areas in three counties.

EXHIBIT SUMMARY SHEET



Proposing Entity (include other participating entities): Nevada County Department of Public Works

Contact Person: Joshua Pack, Principal Civil Engineer

Address: 950 Maidu Avenue, Nevada City, CA

Phone #: 530-265-7059 FAX #: 530-265-9849 EMAIL: Joshua.pack@co.nevada.ca.us

Total Project Budget:

Table with 4 columns: Category, AB 2766 Funds, Co-Funding, Total Project Costs. Rows include Capital Costs, Operating Costs, and TOTAL.

Type of Project: (check one)

- ___ Quantifiable Project
x Reduced Emission Vehicles Project

Implementation Area for Project: Check if District-wide Nevada County

Describe the Implementation Area for the Project (e.g. city, county, region): Countywide

Estimated Emission Reductions:

- A. Emission Reductions (lbs/yr)
Reactive Organic Gases 0 Nitrogen Oxides 125.76 PM10 14.70
B. Vehicle Miles Traveled (VMT) Reduced n/a
Single Occupancy Vehicle Trips Reduced n/a
C. Number of people reached per day through public education n/a

Cost-effectiveness: \$ 76.89 per pound (AB 2766 Funds Only)

Handwritten: \$ 85.43

Brief Project Description:

The project would retrofit 4 vehicles in order to significantly reduce vehicle emissions. This action would also bring them into compliance with California Air Resources Board (CARB) emission standards.

Handwritten: 57

REQUEST FOR PROPOSAL CONTENTS CHECKLIST

Applicant: Nevada County Department of Public Works

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 Appendix B - Pg 10

Project Description - page 3

Project Organization/Background - page 3

Emissions Benefits/Cost-Effectiveness - page 4

Work Statement - page 4

Funding Request/Breakdown of Cost - page 4

Schedule of Deliverables/Monitoring - page 6

All Pages Numbered

Three Copies Of Proposal Plus One Original

(CHECK ONE ONLY)

Quantifiable Project

- OR -

Reduced Emission Vehicles Project

D. PROJECT DESCRIPTION

The Nevada County Department of Public Works proposes to use AB 2766 grant funds to reduce pollution and vehicle emissions by retrofitting 4 heavy duty equipment vehicles. This action will also bring them into compliance with California Air Resources Board (CARB) emission standards.

The retrofit will include installation of a diesel particulate filter onto the vehicles exhaust systems to capture black soot that used to be common in large diesel trucks. For the two snow plow trucks, the retrofit will also include the installation of an auxiliary cab & engine heater, which allows for the driver to turn off the engine and still keep the truck warm rather than having to keep the trucks at idle during breaks in snowplow operations. This will result in a reduction of non-productive idle time by as much as 40%.

Three of these vehicles are currently out of compliance with CARB emissions, with another dump truck that will be out of compliance on January 1, 2017. This proposed retrofit project 4 vehicles will bring them into compliance with CARB emission standards.

Nevada County will be using the California Air Resources Board's *Methods to Find the Cost-Effectiveness of Funding Air Quality Projects, May 2005 "Off-Road Cleaner Vehicle Purchases and Repowering"* to determine the amount of emissions that will be reduced by the vehicle retrofit.

E. PROJECT ORGANIZATION/BACKGROUND

This project will be managed by the Nevada County Department of Public Works through coordinated efforts between the Engineering, Maintenance and Fleet divisions, who will solicit services from qualified vendors to supply and install the diesel particulate filters and heaters.

In recent years the Department of Public Works has successfully applied for two AB 2766 projects. In 2014, the Department delivered an AB 2766 project to install a pedestrian crosswalk on Magnolia Road. That project was successfully completed, with the final report submitted in May 2014. In 2015, the Department was awarded an AB 2766 project for an Electric Vehicle Charging Station. This project is currently scheduled for construction in late 2016.

The County has delivered numerous emissions reduction improvement projects over the past 10 years related to improved bicycle, pedestrian and transit mobility. In addition, our fleet division has performed or contracted out a number of retrofit contracts in efforts to reduce vehicle emissions from county vehicles.

Our fiscal staff is experienced with state and federal grant administration and utilizes FHWA/Caltrans approved accounting methods and Cost Accounting Management

System software (Cascade Software Systems, Inc.) to track costs by project tasks and funding source. We track expenditures of both the grant and the in-kind funds using unique project and cost code numbers.

A vendor has not been identified at this time; however, our staff is experienced in administering various federal, state and local contracts. Additionally, all contracts and procurements done by Nevada County are done in conformance with the California Public Contract Code and the most recent version of the County of Nevada's Purchasing Guide.

Emission reduction calculations are made using the guidelines outlined in the California Air Resources Board's *Methods to Find the Cost-Effectiveness of Funding Air Quality Projects, May 2005 "Off-Road Cleaner Vehicle Purchases and Repowering"* to determine the amount of emissions that will be reduced by the vehicle retrofit.

F. EMISSION BENEFITS/COST EFFECTIVENESS

This project seeks to reduce emissions by retrofitting existing high polluting vehicles. The retrofit will include installation of a diesel particulate filter onto the vehicles exhaust systems to capture black soot that used to be common in large diesel trucks. For the two snow plow trucks, the retrofit will also include the installation of an auxiliary cab & engine heater, which allows for the driver to turn off the engine and still keep the truck warm rather than having to keep the trucks at idle during breaks in snowplow operations. This will result in a reduction of non-productive idle time by as much as 40%

Vehicle miles assumptions come from a recent evaluation of annual usage on each vehicle and assumes a remaining useful life on these vehicles of 10 years or more.

Formulas used to calculate the estimated emission reductions from the project are taken from the California Air Resources Board (ARB), *"Methods to Find the Cost-Effectiveness of Funding Air Quality Projects" (May 2005)*, and the related Emission Factor Tables (March 2010), for Ridesharing and Pedestrian Facilities. We also utilized the Northern Sierra Air Quality Management District (NSAQMD), Access Database program for calculating emission reductions and cost effectiveness. (See Appendix A)

Nitrogen oxides (NOx): 125.76 pounds/year
 Reactive organic gases (ROG): _____ pounds/year
 Particulate Matter (PM10): 14.70 pounds/year

$$\text{Cost-Effectiveness of Funding Dollars} = (\text{CRF} * \text{Funding}) / (\text{ROG} + \text{NOx} + \text{PM10}),$$

$$(0.12 * \$90,000) / (0 + 125.76 + 14.7)$$

$$10,800 / 140.46 = \$76,890$$

(*Methods to Find the Cost-Effectiveness of Funding Air Quality Projects, May 2005.*)

Cost-Effectiveness: \$76.89 Cost/pound

G. WORK STATEMENT

The following assumes contract execution and a formal notice to proceed with the project by January 1, 2017.

Task 1 – Bidding Process: (January 1 – April 30, 2017)

Staff will prepare bid documents for the purchase and installation of diesel particulate filter onto the vehicles exhaust systems and the retrofit of two auxiliary cab & engine heaters. The bid documents will be released to potential bidders to initiate the competitive bid process. This process includes drafting a tentative personal services contract, review of bids and selection of a vendor based on cost of services. Once a vendor has been selected staff will obtain all necessary contract information and documents, and prepare a Board of Supervisors report requesting approval and execution of the personal services contract between Nevada County and the vendor. This process will be in accordance with the California Public Contract Code and the most recent version of the County's Purchasing Guide.

Task 2 - Project Construction and Construction Management: (May 1 – July 31, 2017)

Once the vendor is on board staff will initiate the purchase and installation of the proposed equipment. This task will be paid for with AB 2766 DMV Surcharge funds and county matching funds.

Task 3 - Monitoring and evaluating the Project: (Ongoing)

Monitoring will be done by recording the annual usage of these vehicles.

H. FUNDING REQUEST/BREAKDOWN OF COST

Task 1 - RFQ/RFP Process: AB 2766 DMV Surcharge Funds / County Funds - \$3,000

Task 2 - Project Construction and Construction Management: AB 2766 DMV Surcharge Funds / County Funds - \$ 115,619

Task 3 - Monitoring and evaluating the Project: AB 2766 DMV Surcharge Funds / County Funds - \$1,381

The Nevada County Community Development Agency will track the expenditure of grant funds and in kind funds utilizing FHWA/Caltrans approved accounting methods and Cost Accounting Management System software (Cascade Software Systems, Inc.).

I. SCHEDULE OF DELIVERABLES/MONITORING PROGRAMS

2013	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct
Bidding Process										
Prepare Bid Documents	X	X								
Advertise for bids		X	X							
Open Bids			X							
BOS Contract Approval				X						
Project Construction					X	X	X			
Monitoring and Evaluation								X	X	X

Appendix A

Appendix B

DIESEL EMISSIONS SERVICE

QUALITY DRIVES US

4522 PARKER AVE #200 P. 916.473.7393
 MCCLELLAN CA, 95652 F. 866.334.7701

DATE	DATE OPEN	INVOICE NUMBER
/ /	09/08/2016	E 3-3903

ESTIMATE ONLY - INVOICE TO FOLLOW

Sold To : 265-1238 530

COUNTY OF NEVADA
 PURCHASING AGENT
 950 MAIDU AVE
 NEVADA CITY CA 95959 USA

Ship To : 2 -

DES SACRAMENTO
 4522 PARKER AVE #200
 MCCLELLAN CA 95652

Written By	Terms	Time	Customer Po #	Promised	Home Phone	Ship Via
PETERT	CHGFLT	08:55:20				None
Unit #	Plate #	Year	Make	Model	Mileage	VIN
					0/0.0	Engine

PARTS	DESCRIPTION	QTY	BO	PRICE	TOTAL
REG4005	REGENERATION STATION, SCP-6 THRU SCP-35, SMART C	1.000	0.0	7290.00	7290.00
REG4000-480	CART, 480V REGEN PANEL	1.000	0.0	850.00	850.00
REGXFORM	240 TO 480 VOLT TRANSFORMER FOR DPF REGENERATION SYSTEM	1.000	0.0	1691.72	1691.73
FRTINCOMING	FREIGHT INCOMING	1.000	0.0	900.00	900.00
SCP-17 KIT	TRUCKS 218 & 219, DPF KIT PARTS KIT INCLUDES ALL MOUNTING BRACKETS, EXHAUST PARTS & GUARDS, WEBASTO CAB HEATER	2.000	0.0	16384.49	32768.98
SCP-35 KIT	TRUCKS 234 & 236: DPF KIT PARTS KIT INCLUDES ALL MOUNTING BRACKETS, DIAMOND PLATE STEP KIT, EXHAUST PARTS & GUARDS	2.000	0.0	26196.45	52392.90
	LABOR FOR TRUCKS 218 & 219 (\$3400 EACH) REMOVE EXISTING EXHAUST SYSTEM AND INSTALL DPF ASSY. INCL DATA LOGGING AN OPACITY TESTING. ECS PURIFILTER EGR EO# DE-13-001 CA/ECS/2013/PM3+/N00/ON/DPF01		0.0		6800.00
				Parts.....	94993.61
				Labor.....	12000.00
				Sublet.....	0.00
				Supplies....	50.00
				Freight In...	900.00
				Sales Tax	7675.49
				Sub Total	107943.61
				TOTAL	Continued

Authorized By: _____

It is understood and I agree to pay carrying charges of 1 1/2% per month (18% per annum) on any balance unpaid after the 30th day following the purchase. We also reserve the right to collect reasonable attorneys' fees if suit is brought to collect same. Returned goods are accepted on normal stocking items returned within 30 days, in original salable condition, with prior return authorization. All returns are subject to a restocking charge up to 25%, and must be accompanied with proof of purchase. Electrical parts cannot be accepted for return.

Any warranties on products or parts sold are those made by the manufacturer. The seller expressly disclaims all warranties, other expressed or implied, including any implied warranty of merchantability or fitness for a particular purpose. The seller neither assumes, nor authorizes any other person to assume it for any liability in connection with this sale. Buyer shall not be entitled to recover from the seller any consequential damages, damages to property, damages for loss of use, loss of time, loss of profits, loss of income, or any other incidental damages. Customer acknowledges that s/he has inspected the parts sold as detailed herein, accepts the same, and agrees to pay the amount due.

62

Continued on page 2

DIESEL EMISSIONS SERVICE

QUALITY DRIVES US

4522 PARKER AVE #200 P. 916.473.7393
 MCCLELLAN CA, 95652 F. 866.334.7701

DATE	DATE OPEN	INVOICE NUMBER
//	09/08/2016	E 3-3903

ESTIMATE ONLY - INVOICE TO FOLLOW

Sold To: 265-1238 530

COUNTY OF NEVADA
 PURCHASING AGENT
 950 MAIDU AVE
 NEVADA CITY CA 95959 USA

Ship To: 2 -

DES SACRAMENTO
 4522 PARKER AVE #200
 MCCLELLAN CA 95652

Written By: PETERT Terms: CHGFLT Time: 08:55:20 Customer Po # Promised Home Phone Ship Via: None
 Unit # Plate # Year Make Model Mileage: 0/0.0 VIN Engine

PARTS DESCRIPTION QTY BO PRICE TOTAL

LABOR FOR TRUCKS 234 AND 236 (\$2600 EACH)
 REMOVE EXISTING EXHAUST SYSTEM AND INSTALL DPF ASSY
 INCL DATA LOGGING AND OPACITY TESTING.
 ECS PURIFILTER PLUS
 EO# DE- 08-010-04
 CA/ECS/2008/PM3+/N00/ON/DPF01

0.0 5200.00

Parts..... 94993.61
 Labor..... 12000.00
 Sublet..... 0.00
 Supplies.... 50.00
 Freight In... 900.00
 Sales Tax 7675.49
 Sub Total 107943.61
TOTAL 115619.10

Authorized By: _____

It is understood and I agree to pay carrying charges of 1 1/2% per month (18% per annum) on any balance unpaid after the 30th day following the purchase. We also reserve the right to collect reasonable attorneys' fees if suit is brought to collect same. Returned goods are accepted on normal stocking items returned within 30 days, in original salable condition, with prior return authorization. All returns are subject to a restocking charge up to 25%, and must be accompanied with proof of purchase. Electrical parts cannot be accepted for return.

Any warranties on products or parts sold are those made by the manufacturer. The seller expressly disclaims all warranties, either expressed or implied, including any implied warranty of merchantability or fitness for a particular purpose. The seller neither assumes, nor authorizes any other person to assume it for any liability in connection with this sale. Buyer shall not be entitled to recover from the seller any consequential damages, damages to property, damages for loss of use, loss of time, loss of profits, loss of income, or any other incidental damages. Customer acknowledges that s(he) has inspected the parts sold as detailed herein, accepts the same, and agrees to pay the amount due.



COUNTY OF NEVADA
COMMUNITY DEVELOPMENT AGENCY
DEPARTMENT OF PUBLIC WORKS
950 MAIDU AVENUE, NEVADA CITY, CA 95959-8617
(530) 265-1411 FAX (530) 265-9849 www.nevadacounty.com

Sean Powers
Community Development Agency Director

Steve Castleberry
Director of Public Works

August 25, 2016

File:

Northern Sierra Air Quality Management District
Attn: Joseph Fish
200 Litton Drive, Suite 320
Grass Valley, CA 95945

AUG 30 2016

SUBJECT: Authorization for the Nevada County Department of Public to submit a formal grant proposal for the use of AB 2766 DMV Surcharge funds for the 2017 grant project cycle on behalf of the County of Nevada

Dear Joe:

Enclosed are three copies and one original of our formal grant proposal for the use of AB 2766 DMV Surcharge funds for the 2017 grant project cycle on behalf of the County of Nevada. Included in this submittal package is the Request for Proposal Content Checklist per direction from the NSAQMD.

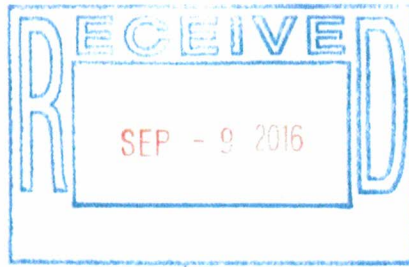
If you have any questions or need additional information, please contact me at (530) 265-7059 or joshua.pack@co.nevada.ca.us. Thank you for the opportunity to apply for this funding and thank you for your consideration.

Sincerely,

STEVE CASTLEBERRY, DIRECTOR

Joshua H. Pack, P.E.
Principal Civil Engineer

Enclosures



Vehicle Number	Year	Make	Model	Dumpster	Vehicle Category	Total Overhaul & Maintenance	Total Fuel	Current Meter	Annual Miles	Idle Time (hr)	On Road?	Horsepower	CO gph/hr	HC+NOx gph/hr	PM gph/hr	Green PM gph/hr	Green CO gph/hr	Green HC+NOx gph/hr	Green PM gph/hr saved	Total pounds saved	Renewable Cost	Cost per pound saved		
36	2003	PETERBUILT	378	3	Axle Heavy Truck	84,428	153,459	69,031	120,516	9,270	Y	625	1,206	5,051	2,379	308,745	57,092	5,673	452.67	\$ 43,985.20	2	\$ 21,782.80	\$ 8,984.32	
34	1998	PETERBUILT	378	3	Axle Heavy Truck	127,083	188,562	61,469	155,959	9,174	Y	375	2,110	5,051	2,379	308,745	57,092	5,673	452.67	\$ 43,985.20	4	\$ 21,782.80	\$ 5,613.88	
19	2004	INTERNATIONAL	7400	H	2 Axle Heavy Truck	106,293	150,176	43,593	72,169	5,014	52.7 Y	260	842	1,309	212,180	32,854	2,085	544	\$ 25,000.00	\$ 45.93	544	\$ 25,000.00	\$ 45.93	
18	2004	INTERNATIONAL	7400	H	2 Axle Heavy Truck	122,000	164,306	42,225	69,701	5,725	38.9 Y	260	802	1,010	158,896	24,242	1,601	402	\$ 25,000.00	\$ 62.19	402	\$ 25,000.00	\$ 62.19	
													Total Grams:	308,745	57,096	5,051	2,379	308,745	57,092	5,673	452.67	\$ 43,985.20		
													Total pounds:	912.21	125.76	11.13	5.24	912.21	125.76	14.70	952.67			
<p>*** Units are in grams per mph.</p> <p>Emfacts obtained at: https://www.dfscahnet.com/dan/danr/volr/rlr.php</p> <p>HC+NOx</p>																								
<p>Here is what I need to make this spreadsheet look more legit: I need something that details how the reduced emissions are calculated. To say, "We're putting on a DPF and it is going to reduce emissions by "X" number of pounds" is a bit ambiguous. Better to say something like, "Our calculations are based on the installation of the Model 2025 SuperClean DPF, and according to the manufacturer's website, this DPF will reduce PM emissions by 95%. It should be noted that because of our purchasing process we may end up purchasing a similar device from a different vendor." Supporting documentation or a link to their website would be useful.</p> <p>As far as the reduction of idling time in the snow plows, just calculate current idling time and those emissions, using an emission factor with grams per bhp units, then calculate the reduction in idling time and the resulting reduction in emissions. Add it all up. I believe the 2 page proposal indicated a 40% reduction in idling time. Try to give an estimate of the cost of each DPF and each auxiliary cab and engine heater.</p> <p>I will do the cost effectiveness calculation. We will include the new spreadsheet in the currently submitted RFP.</p>																								

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To: Northern Sierra Air Quality Management District Board of Directors
From: Gretchen Bennett, Air Pollution Control Officer
Date: October 24, 2016

Agenda Item: IV.B

Agenda Description: Budget 2015/2016 - End of Year Report

Issues:

Revenue:

Overall, revenues were \$143,832 less than predicted.

This was primarily because the District estimated that \$58,000 would be received in revenue for administrative funds for running the EPA target grant. EPA did not approve the final workplan until April 2016, and would not receive the first disbursement until after June 2016. No administrative funding for the EPA target grant was received during FY 2015/2016.

420-100-04 - The District receives \$52,000 annually from the EPA for monitoring purposes. This was received during the end of FY14/15 in June 2015, which left a zero revenue for FY 16/17.

420-100-06 EPA Special 103 Grant - the \$20,500 expected for a special EPA 103 grant was also received during FY 14/15 in June 2015. These EPA funds total to \$72,500.

Other revenues that were notably less than expected (more than \$1,000) were:

401-100-02 Authority to Construct Fees: Although the District estimated \$4,000 in fees collected during FY 15/16, none was collected. This is more than offset by the Permit to Operate Account 401-100-02 which was estimated at \$25,000, but \$53,555 was received.

405-100-01 Penalties, permitted sources and 405-100-02 Penalties, Open Burning: Although the District estimated \$37,000 no penalties were assessed.

421-100-16 Other Income, Sale of Asset: The District estimated \$10,000 in revenue from selling assets. The District intended to sell both the old Toyota Truck and the Toyota Yaris and purchase one new truck. The Yaris was sold during FY 15/16 for \$5,000 and the Truck was recently sold during FY 16/17 for \$3,000.

401-100-07 Prescribed burning fees was approximately \$10,000 more than expected. This was primarily due to fees being received from burning occurring in FY 14/15.

Expenditures:

Overall, Expenditures were \$69,521 less than expected.

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Expenditures that were notably less than expected were:

541-100-01 H&S Mitigation Administrative: Although the District estimated \$40,000, none was expended. This was not administered until after the end of FY 15/16.

560-100-04 Vehicle: The vehicle was not purchased in FY 15/16. Instead it was purchased during FY 16/17.

520-100-05 Monitoring: \$10,000 was expected to be expended from this account. The expenses from this account were incorporated into Account # 520-100-04 Monitoring Equipment for purposes of simplifying the budget. \$10,000 was also expected to be expended from the Monitoring Equipment account. The total expended for both of these accounts was \$19,277. FY 16/17 budget no longer has Account # 520-100-05 Monitoring.

540-100-03 Portola PM2.5 Nonattainment Area Mitigation Fund: Although \$10,000 was expected to be spent from the District's operating account, only \$1,236 was spent. This is because the District was successful in obtaining federal funds for a wood stove changeout program and did not need to utilize operating funds in the future.

Expenditures that were notably higher than expected were:

501-100-00 Permanent Salaries - \$17,054 was spent more than predicted. This was primarily due to a Board approved 2% COLA for the staff and Executive Officer. Additionally, Julie Ruiz was promoted from APCS I to APCS II (a 10% increase in salary).

520-100-01 Communications - Although the District estimated \$25,000, \$30,751 was expended. This was in large part due to the expenditure of \$9,886 for unplanned, extensive website improvement.

525-100-03 Prof Services: ADP, Internal Audit - was approximately \$6,000 more than expected. This was because the District paid for two separate mid-year reviews (one for FY 14/15 audit and one for FY 15/16 audit) to the internal auditor at \$2,500 each. Additionally, the District paid an unexpected \$1,000 to internal auditor for assistance with restricted accruals.

522-100-05 Rent and Utilities – approximately \$2,000 higher than expected due to extra payment at the end of the year.

560-100-01 Office Equipment – approximately \$5,500 more was expended than expected. This is due to the unexpected need to purchase a new server, of approximately \$6,500.

RESTRICTED BUDGET

The Air District administers quite a few grant programs. During FY 15/16, a total of \$446,586 was disbursed through the following grant programs;

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1. AB2766 DMV Surcharge (\$258,978 disbursed)
2. Carl Moyer Heavy Duty Diesel (\$175,007 disbursed)
3. H&S Mitigation (Portola wood stove changeout) (\$12,600 disbursed)

Requested Action: Discuss and Approve Year-End Report for FY15/16.

Attachments:

1. Operating Budget – End of Year Report, FY 2015-2016
2. Restricted Budget – End of Year Report, FY 2015-2016
3. Balance Sheet by class for June 30, 2016

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NORTHERN SIERRA AIR QUALITY MANAGEMENT DISTRICT
Operating Budget
FY15/16 - Qtr 4, 6/30/16

Resource Report		
	Operating (6774) End Balance, Qtr 4	594,007
	Operating (Payroll) End Balance, Qtr 4	39,171
	Operating (Gov Pay) End Balance, Qtr 4	3,113
	All Operating Accounts Total	636,291

Revenue			
Account #	Description	Budgeted FY 15/16	Actual to Date
401-100-01	Fees, Authority to Construct	4,000	-
401-100-02	Fees, Permit to Operate	25,000	53,555
401-100-04	Fees, Vapor Recovery	19,000	18,744
401-100-05	Fees, Variance Application	1,500	-
401-100-06	Fees, Source Test	2,500	1,793
401-100-07	Fees, Prescribed Burning	13,000	23,703
401-100-08	Fees, Woodstove Inspections	-	862
401-100-10	Fees, Title V	65,000	61,445
401-100-13	Fees, Fire Dept Response	1,500	200
405-100-01	Penalties, Permitted Source	35,000	-
405-100-02	Penalties, Open Burning	2,500	-
420-100-01	Gov't Funding, State Subvention	137,600	137,600
420-100-02	Gov't Funding, Subvention Supplemental	3,500	2,943
420-100-03	Gov't Funding, County Contrib	58,565	58,565
420-100-06	Gov Funding EPA Special 103 Grant	20,500	-
420-100-07	Gov't Funding, PERP Pass Thru	20,000	21,230
420-100-04	Gov't Funding, EPA	52,000	-
420-100-10	Gov't Funding, EPA Special CAPCOA 103 grant	28,000	28,079
420-100-88	Gov't Funding, AB 923 Operating	2,500	2,616
420-100-99	Govt. Funding, AB 2766 DMV Fees	320,000	320,469
420-100-05	Carl Moyer, Admin Fee	20,000	20,000
420-100-09	TIMBER, Admin Fee	15,000	8,124
420-100-11	EPA Target	58,000	-
421-100-12	H&S Mitigation Admin Fee	40,000	40,000
421-100-16	Other Income, Sale of Asset	10,000	5,000
421-100-17	Other Income, Rules, Copies, Subscr.	100	-
421-100-18	Other Income, Refunds	-	3,759
421-100-21	PERS Employee Paid Contribution	1,000	590
421-100-50	Other Income, Interest	1,500	4,158
Revenue Total:		\$ 957,265	813,433

Expenditures		Salaries and Benefits (Object Level)	
Account #	Description	Budgeted FY 15/16	Actual to Date
501-100-00	Permanent Salaries	360,589	382,579
502-100-00	Overtime	1,000	-
504-100-01	Part-Time Office Temp	7,500	7,800
510-100-02	Medicare/FICA	5,500	5,325
510-100-03	EDD Unemp/Training Tax	2,000	-
510-100-04	Workers' Comp Insurance	6,000	3,406
510-100-05	PERS Retirement	58,942	61,219
510-100-12	PERS Unfunded Accrued Liability	48,202	48,204
510-100-10	PERS Employee Paid Contribution	(2,000)	(1,846)
510-100-08	PERS Health Employee Portion	(15,400)	(15,526)
510-100-06	PERS Health Insurance Active Employees	50,000	48,910
510-100-13	PERS Health Insurance Retired Employees	21,000	20,796
510-100-07	Dental/Vision Care	6,250	5,771
Salaries and Benefits Total:		\$ 549,583	566,637

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NORTHERN SIERRA AIR QUALITY MANAGEMENT DISTRICT
Operating Budget
FY15/16 - Qtr 4, 6/30/16

Expenditures		Services and Supplies (Object Level)	
Account #	Description	Budgeted FY 15/16	Actual to Date
520-100-01	Communications	25,000	30,751
520-100-05	Monitoring (Rent and Utilities)	10,000	
521-100-03	Maintenance: Office Equipment	500	-
521-100-02	Maintenance: Vehicles	3,000	1,647
522-100-01	Rent, Structures	32,040	34,710
522-100-02	Utilities, District Offices	2,000	3,783
523-100-01	Office Supplies	5,000	5,839
523-100-02	References, Subscriptions	450	503
523-100-03	Postage, Shipping	1,200	1,593
524-100-00	Memberships	3,000	2,373
525-100-01	Prof Services: Legal	6,000	3,392
525-100-03	Prof Services: Bookkeeping (ADP, Internal Audit, County Auditor)	15,000	21,071
525-100-04	Prof Services: GASB 45/GASB 68	2,080	3,850
525-100-05	Prof Services: Board	5,000	5,444
528-100-00	Liability Insurance	10,000	8,013
529-100-00	Legal Notices, Public	500	784
535-100-01	Training, Tuition	500	1,370
535-100-02	Travel	3,000	2,597
535-100-03	Gasoline	7,000	3,095
535-100-04	Private car mileage	500	660
555-100-97	Misc, Refunds	-	267
Services and Supplies Total:		\$ 131,770	131,740

Expenditures		Pass-thru Funds / Internal Programs / Contributions to Other Agencies (Object Level)	
Account #	Description	Budgeted FY 15/16	Actual to Date
540-100-03	Portola PM2.5 Nonattainment Area Mitigation Fund	10,000	1,236
540-100-02	Alternate Commute Program	750	450
540-100-05	Public Education Program	2,000	120
541-100-01	H&S Mitigation Admin	40,000	-
545-100-01	ARB: AB 2588 Fees	770	595
545-100-06	Fire Dept Response Reimbursement	1,500	200
Contribution to Other Agencies / Internal Grants Total:		\$ 55,020	2,601

Expenditures		Fixed Asset Purchases (Object Level)	
Account #	Description	Budgeted FY 15/16	Actual to Date
560-100-01	Office Equipment (new copier and computers and server)	11,500	8,456
520-100-04	Monitoring Equipment - PM 2.5 (includes rent and utilities)	10,000	19,277
540-100-01	Air Monitoring	-	-
560-100-05	EPA 103 Fixed Assets	20,500	16,928
560-100-06	EPA Special CAPCOA 103 Grant - 1 FRM and 2 Flow Monitors	28,000	28,079
560-100-04	Vehicle	10,000	-
560-100-02	Field Equipment	1,000	-
Fixed Asset Purchases Total:		\$ 81,000	72,740

Budget Summary		Revenue & Expenditures	
		Budgeted FY 15/16	Actual to Date
Revenue			
Revenue Total:		\$ 957,265	813,433
Expenditures			
Salaries and Benefits (Object Level)		549,583	568,637
Services and Supplies (Object Level)		131,770	131,740
Pass-thru Funds / Internal Programs / Contributions to Other Agencies (Object Level)		55,020	2,601
Fixed Asset Purchases (Object Level)		81,000	72,740
Expenditure Total:		\$ 817,373	773,719

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Northern Sierra AQMD Restricted Fund Report

\$\$ Already Disbursed by Grantee

\$\$ Already Disbursed by Fund Source

Participant's Name and Agreement Number	Amount Disbursed	Date of Disbursement	Account	AB2766	Carl Mayer	WCO	AB 923	TIMBER	H&S Mitigation
Portola PM Nonattainment Mitigation Fund (AB 2015-08, \$33,211)	\$ 37.59	April 25, 2016	580-200-93	\$ 37.59					
Portola PM Nonattainment Mitigation Fund (AB 2015-08, \$33,211)	\$ 617.50	April 25, 2016	580-200-93	\$ 617.50					
Portola PM Nonattainment Mitigation Fund (AB 2015-08, \$33,211)	\$ 1,193.07	April 26, 2016	580-200-93	\$ 1,193.07					
Chuck Avery (CM 2016-03, \$99,764.52)	\$ 99,764.52	April 28, 2016	580-200-96		\$ 99,764.52				
Dennis Marsh (CM 2016-01, \$22,121.60)	\$ 22,121.60	May 4, 2016	580-200-94		\$ 22,121.60				
John Burns (CM 2016-02, \$53,121.60)	\$ 53,121.60	May 4, 2016	580-200-95		\$ 53,121.60				
NSAQMD Video Conferencing (AB 2015-01, \$7,000)	\$ 359.00	May 9, 2016	580-200-65	\$ 359.00					
Portola PM Nonattainment Mitigation Fund (AB 2015-08, \$33,211)	\$ 871.80	May 12, 2016	580-200-93	\$ 871.80					
Quincy Hot Spot	\$ 3,181.53	May 18, 2016	2016-006	\$ 2,281.53					\$ 900.00
Wolf Creek Woodstoves	\$ 3,289.46	May 23, 2016	2016-028	\$ 2,389.46					\$ 900.00
Portola PM Nonattainment Mitigation Fund (AB 2015-08, \$33,211)	\$ 38.23	May 23, 2016	580-200-93	\$ 38.23					
Portola PM Nonattainment Mitigation Fund (AB 2015-08, \$33,211)	\$ 1,336.97	May 25, 2016	580-200-93	\$ 1,336.97					
Portola PM Nonattainment Mitigation Fund (AB 2015-08, \$33,211)	\$ 38.25	June 3, 2016	580-200-93	\$ 38.25					
Wolf Creek Woodstoves	\$ 3,451.68	June 3, 2016	2016-015	\$ 2,551.68					\$ 900.00
Wolf Creek Woodstoves	\$ 3,884.20	June 3, 2016	2016-021	\$ 2,984.20					\$ 900.00
Quincy Hot Spot	\$ 3,288.75	June 3, 2016	2016-009	\$ 2,388.75					\$ 900.00
Quincy Hot Spot	\$ 3,500.00	June 3, 2016	2016-005	\$ 2,600.00					\$ 900.00
NSAQMD Video Conferencing (AB 2015-01, \$7,000)	\$ 359.00	June 9, 2016	580-200-65	\$ 359.00					
Nevada City Police Dept (AB 2015-03, \$38,980)	\$ 38,980.00	June 13, 2016	580-200-68	\$ 38,980.00					
Quincy Hot Spot	\$ 3,500.00	June 9, 2016	2016-004	\$ 2,600.00					\$ 900.00
Wolf Creek Woodstoves	\$ 3,028.89	June 9, 2016	2016-011	\$ 2,128.89					\$ 900.00
Wolf Creek Woodstoves	\$ 3,466.49	June 9, 2016	2016-024	\$ 2,566.49					\$ 900.00
Wolf Creek Woodstoves	\$ 3,382.72	June 20, 2016	2016-019	\$ 2,482.72					\$ 900.00
Nevada County Library (AB 2015-06, \$13,500)	\$ 3,933.60	June 20, 2016	580-200-71	\$ 3,933.60					
Portola PM Nonattainment Mitigation Fund (AB 2015-08, \$33,211)	\$ 38.03	June 20, 2016	580-200-93	\$ 38.03					
Quincy Hot Spot	\$ 3,500.00	June 28, 2016	2016-014	\$ 2,600.00					\$ 900.00
Quincy Hot Spot	\$ 4,500.00	June 30, 2016	2016-013	\$ 3,600.00					\$ 900.00
Quincy Hot Spot	\$ 3,500.00	June 30, 2016	2016-012	\$ 2,600.00					\$ 900.00
Wolf Creek Woodstoves	\$ 3,391.80	June 30, 2016	2016-042	\$ 2,491.80					\$ 900.00
Total amount that has already been disbursed:				\$ 446,586.08	\$ 238,978.36	\$ 175,007.72	\$ -	\$ -	\$ 12,600.00

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Northern Sierra AQMD Restricted Fund Report

\$\$ Already Disbursed by Grantee

\$\$ Already Disbursed by Fund Source

Participant's Name and Agreement Number	Amount Disbursed	Date of Disbursement	Account	AB2766	Carl Meyer	WCO	AB 923	TIMBER	H&S Mitigation
Fire Safe Council of Nevada County (AB 2014-08, \$30,000)	\$ 5,196.40	Jul 16, 2015	\$ 580-200-65	\$ 5,196.40					
NSAQMD Video Conferencing (AB 2015-01, \$7,000)	\$ 379.00	Jul 24, 2015	\$ 580-200-65	\$ 379.00					
Incorporated Senior Citizens of Sierra County (AB 2014-04, \$5,227)	\$ 1,306.00	Jul 24, 2015	\$ 580-200-20	\$ 1,306.00					
Nevada County Library (AB 2013-04, \$50,500)	\$ 4,044.88	Aug 04, 2015	\$ 580-200-07	\$ 4,044.88					
NevCo Library System, Internet Books (AB 2014-05, \$15,500)	\$ 3,555.08	Aug 03, 2015	\$ 580-200-09	\$ 3,555.08					
NSAQMD Video Conferencing (AB 2015-01, \$7,000)	\$ 359.00	Aug 13, 2015	\$ 580-200-65	\$ 359.00					
NevCo CDA & IGS (AB 2014-06, \$17,741)	\$ 16,853.95	Aug 20, 2015	\$ 580-200-11	\$ 16,853.95					
NSAQMD Video Conferencing (AB 2015-01, \$7,000)	\$ 359.00	September 21, 2015	\$ 580-200-65	\$ 359.00					
NSAQMD Video Conferencing (AB 2015-01, \$7,000)	\$ 359.00	October 15, 2015	\$ 580-200-65	\$ 359.00					
Fire Safe Council of Nevada County (AB 2014-08, \$30,000)	\$ 6,616.50	October 26, 2015	\$ 580-200-20	\$ 6,616.50					
Incorporated Senior Citizens of Sierra County (AB 2014-04, \$5,227)	\$ 1,306.00	November 2, 2015	\$ 580-200-20	\$ 1,306.00					
NSAQMD Video Conferencing (AB 2015-01, \$7,000)	\$ 359.00	November 13, 2015	\$ 580-200-65	\$ 359.00					
NevCo Library System, Internet Books (AB 2014-05, \$15,500)	\$ 4,206.88	November 19, 2015	\$ 580-200-09	\$ 4,206.88					
Fire Safe Council of Nevada County (AB 2014-08, \$30,000)	\$ 1,310.24	December 14, 2015	\$ 580-200-65	\$ 1,310.24					
NSAQMD Video Conferencing (AB 2015-01, \$7,000)	\$ 37.58	December 21, 2015	\$ 580-200-65	\$ 37.58					
Hansen Bros. Enterprises (AB 2014-10, \$58,330)	\$ 58,330.00	January 6, 2016	\$ 580-200-08	\$ 58,330.00					
NevCo Library System, Chicago Park Kiosk (AB 2014-09, \$33,455)	\$ 12,248.00	February 8, 2016	\$ 580-200-10	\$ 12,248.00					
Incorporated Senior Citizens of Sierra County (AB 2014-04, \$5,227)	\$ 1,309.00	February 11, 2016	\$ 580-200-20	\$ 1,309.00					
NevCo Library System, Internet Books (AB 2014-05, \$15,500)	\$ 4,162.19	February 25, 2016	\$ 580-200-09	\$ 4,162.19					
NSAQMD Video Conferencing (AB 2015-01, \$7,000)	\$ 359.00	February 25, 2016	\$ 580-200-65	\$ 359.00					
Portola P/M Nonattainment Mitigation Fund (AB 2105-08, \$33,211)	\$ 300.00	March 3, 2016	\$ 580-200-93	\$ 300.00					
Portola P/M Nonattainment Mitigation Fund (AB 2105-08, \$33,211)	\$ 2,443.33	March 10, 2016	\$ 580-200-93	\$ 2,443.33					
Portola P/M Nonattainment Mitigation Fund (AB 2105-08, \$33,211)	\$ 22.50	March 16, 2016	\$ 580-200-93	\$ 22.50					
NevCo CDA & IGS (AB 2014-06, \$17,741)	\$ 887.05	March 24, 2016	\$ 580-200-11	\$ 887.05					
NSAQMD Video Conferencing (AB 2015-01, \$7,000)	\$ 359.00	March 25, 2016	\$ 580-200-65	\$ 359.00					
Portola P/M Nonattainment Mitigation Fund (AB 2105-08, \$33,211)	\$ 252.53	March 25, 2016	\$ 580-200-93	\$ 252.53					
Portola P/M Nonattainment Mitigation Fund (AB 2105-08, \$33,211)	\$ 433.05	April 4, 2016	\$ 580-200-93	\$ 433.05					
Portola P/M Nonattainment Mitigation Fund (AB 2105-08, \$33,211)	\$ 358.00	April 11, 2016	\$ 580-200-93	\$ 358.00					
Portola P/M Nonattainment Mitigation Fund (AB 2105-08, \$33,211)	\$ 380.00	April 11, 2016	\$ 580-200-93	\$ 380.00					
Portola P/M Nonattainment Mitigation Fund (AB 2105-08, \$33,211)	\$ 1,329.97	April 11, 2016	\$ 580-200-93	\$ 1,329.97					
Portola P/M Nonattainment Mitigation Fund (AB 2105-08, \$33,211)	\$ 105.96	April 19, 2016	\$ 580-200-93	\$ 105.96					
Portola P/M Nonattainment Mitigation Fund (AB 2105-08, \$33,211)	\$ 389.00	April 21, 2016	\$ 580-200-93	\$ 389.00					
Portola P/M Nonattainment Mitigation Fund (AB 2105-08, \$33,211)	\$ 23.75	April 21, 2016	\$ 580-200-93	\$ 23.75					
Portola P/M Nonattainment Mitigation Fund (AB 2105-08, \$33,211)	\$ 37.96	April 21, 2016	\$ 580-200-93	\$ 37.96					
NevCo CDA & IGS (AB 2015-02, \$45,000)	\$ 42,750.00	April 21, 2016	\$ 580-200-69	\$ 42,750.00					

DISBURSEMENT OF RESTRICTED FUNDS, FY 15-16

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Northern Sierra AQMD Restricted Fund Report

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Encumbered \$\$ Not Yet Disbursed by Grantee		Encumbered \$\$ Not Yet Disbursed by Fund Source							
Participant's Name and Agreement Number	Remaining Disbursement	Account	AB2766	Carl Meyer	WCO	AB 923	TIMBER	H&S Mitigation	
NewCo Library System, Chicago Park Kiosk (AB 2014-09, \$33,455)	\$ 21,207.00	580-200-10	\$ 21,207.00						
NSAQMD Video Conferencing (AB 2015-01, \$7,000)	\$ 2,275.42	580-200-65	\$ 2,275.42						
NewCo CDA & IGS (AB 2015-02, \$45,000)	\$ 2,250.00	580-200-69	\$ 2,250.00						
Nevada County Public Works (AB 2015-04, \$30,000)	\$ 30,000.00	580-200-67	\$ 30,000.00						
Nevada County Library (AB 2015-05, \$25,000)	\$ 25,000.00	580-200-70	\$ 25,000.00						
Nevada County Library (AB 2015-06, \$15,500)	\$ 11,566.40	580-200-71	\$ 11,566.40						
Ine Senior Citizens of Sierra County (AB 2015-07, \$5,240)	\$ 3,418.00	580-200-66	\$ 3,418.00						
Portola PMA Nonattainment Mitigation Fund (AB 2105-08, \$33,211)	\$ 22,963.51	580-200-93	\$ 22,963.51						
Portola MOU (AB 2016-08, \$35,378)	\$ 35,378.00	580-200-73	\$ 35,378.00						
Dave Roberti / Roberti Ranch, Inc. (CM 2016-05, \$45,300)	\$ 45,300.00	580-200-74	\$ 45,300.00						
Dave Skoverski / Skoverski Logging (CM 2016-06, \$140,000)	\$ 140,000.00	580-200-75	\$ 140,000.00						
City of Portola Woodstove Changeout Program	\$ 5,470.33	588-200-72	\$ 5,470.33						
Daniel Craven (TIMBER 201601, \$40,000)	\$ 40,000.00	580-200-97					\$ 40,000.00		
Mike Wood (TIMBER 201602, \$55,000)	\$ 55,000.00	580-200-98					\$ 55,000.00		
H & S Mitigation Fund	\$ 347,960.19	581-200-01						\$ 347,960.19	
<i>Total amount that is encumbered but not yet disbursed:</i>			\$ 787,788.85	\$ 154,058.33	\$ 185,300.00	\$ 5,470.33	\$ -	\$ 95,000.00	\$ 347,960.19

AB2766	Carl Meyer	WCO	AB 923	TIMBER	H&S Mitigation

Revenue to date Received during FY 15-16 for each fund: \$ 217,411.22 \$ 181,893.85 \$ 40.79 \$ 47,239.36 \$ 73,772.90 \$ 360,560.19

"Remaining Balance" aka Unencumbered Revenue to date during FY 15-16 for each fund: \$ 261,018.91 \$ 70,940.21 \$ 20.28 \$ 85,063.53 \$ 20,451.38 \$ 347,960.19

Northern Sierra Air Quality Management District Balance Sheet by Class

As of June 30, 2016

Accrual Basis

	Operating	AB 2011-02 Hansen Bros (Nevada County)	AB 2011-05 NC IGS (Nevada County)	AB 2013-02 Fire Safe Council (Nevada County)	AB 2013-03 Hansen Bros (Nevada County)
ASSETS					
Current Assets					
Checking/Savings	591,978.28	0.00	0.00	0.00	0.00
101-100-00 Cash, Gen Funds	0.00	4,118.06	4,440.32	0.00	0.00
101-200-00 Cash, Res Funds	39,170.82	0.00	0.00	0.00	0.00
103-100-00 Cash, Bank Payroll	3,113.06	0.00	0.00	0.00	0.00
104-100-00 Cash, Bank GovPay	634,262.16	4,118.06	4,440.32	0.00	0.00
Total Checking/Savings	634,262.16	4,118.06	4,440.32	0.00	0.00
Other Current Assets					
130-100-00 Receivable Gen	83,353.43	0.00	0.00	0.00	0.00
130-200-00 Receivable Res	0.00	0.00	0.00	0.00	0.00
150-100-00 Prepaid Expenses Gen	17,411.00	0.00	0.00	0.00	0.00
1499 - Undeposited Funds	591.94	0.00	0.00	0.00	0.00
Total Other Current Assets	101,356.37	0.00	0.00	0.00	0.00
Total Current Assets	735,618.53	4,118.06	4,440.32	0.00	0.00
Fixed Assets					
170-100-00 Fixed Asset	182,630.04	0.00	0.00	0.00	0.00
170-100-10 Equipment (GASB)	81,861.00	0.00	0.00	0.00	0.00
170-100-20 Vehicles (GASB)	106,173.19	0.00	0.00	0.00	0.00
170-100-30 Office Equip Furnitu	-147,558.00	0.00	0.00	0.00	0.00
170-100-40 Acc Depr Field Equip	-89,447.00	0.00	0.00	0.00	0.00
170-100-50 Acc Equip Vehicles (	-72,129.00	0.00	0.00	0.00	0.00
Total 170-100-00 Fixed Asset	61,530.23	0.00	0.00	0.00	0.00
Total Fixed Assets	61,530.23	0.00	0.00	0.00	0.00
TOTAL ASSETS	797,148.76	4,118.06	4,440.32	0.00	0.00
LIABILITIES & EQUITY					
Liabilities					
Current Liabilities					
Accounts Payable	1,702.05	0.00	0.00	0.00	0.00
2000 - Payables (Operating Only)	1,702.05	0.00	0.00	0.00	0.00
Total Accounts Payable	1,702.05	0.00	0.00	0.00	0.00
Other Current Liabilities					
201-100-00 Accounts Payable Gen	6,320.81	0.00	0.00	0.00	0.00
203-100-00 Compensated Absence	30,669.00	0.00	0.00	0.00	0.00
222-100-00 Deferred Compensatio	1,000.00	0.00	0.00	0.00	0.00
280-100-00 Other Post Emp. Ben.	223,007.00	0.00	0.00	0.00	0.00
Total Other Current Liabilities	260,996.81	0.00	0.00	0.00	0.00
Total Current Liabilities	262,698.86	0.00	0.00	0.00	0.00
Total Liabilities					
Total Liabilities	262,698.86	0.00	0.00	0.00	0.00
Equity					
308-100-00 Invested in Capital	61,530.23	0.00	0.00	0.00	0.00
3900 - Retained Earnings	430,700.48	4,118.06	4,440.32	0.00	-4,758.90
Net Income	42,219.19	0.00	0.00	0.00	0.00
Total Equity	534,449.90	4,118.06	4,440.32	0.00	0.00
TOTAL LIABILITIES & EQUITY	797,148.76	4,118.06	4,440.32	0.00	0.00

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Northern Sierra Air Quality Management District Balance Sheet by Class

As of June 30, 2016

	AB 2013-04 A NC Library (Nevada County)	AB 2013-04 B NC Library (Nevada County)	AB 2014-01 NSAQMD (Nevada County)	AB 2014-05 NC Library (Nevada County)	AB 2014-08 NC CDA & IGS (Nevada County)
ASSETS					
Current Assets					
Checking/Savings					
101-100-00 Cash, Gen Funds	0.00	0.00	0.00	0.00	0.00
101-200-00 Cash, Res Funds	2,800.00	14.86	0.00	0.98	0.00
103-100-00 Cash, Bank Payroll	0.00	0.00	0.00	0.00	0.00
104-100-00 Cash, Bank GovPay	0.00	0.00	0.00	0.00	0.00
Total Checking/Savings	2,800.00	14.86	0.00	0.98	0.00
Other Current Assets					
130-100-00 Receivable Gen	0.00	0.00	0.00	0.00	0.00
130-200-00 Receivable Res	0.00	0.00	0.00	0.00	0.00
150-100-00 Prepaid Expenses Gen	0.00	0.00	0.00	0.00	0.00
1499 - Undeposited Funds	0.00	0.00	0.00	0.00	0.00
Total Other Current Assets	0.00	0.00	0.00	0.00	0.00
Total Current Assets	2,800.00	14.86	0.00	0.98	0.00
Fixed Assets					
170-100-00 Fixed Asset	0.00	0.00	0.00	0.00	0.00
170-100-10 Equipment (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-20 Vehicles (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-30 Office Equip Furnitu	0.00	0.00	0.00	0.00	0.00
170-100-40 Acc Depr Field Equip	0.00	0.00	0.00	0.00	0.00
170-100-50 Acc Equip Vehicles (	0.00	0.00	0.00	0.00	0.00
170-100-60 Acc Dep Office Equip	0.00	0.00	0.00	0.00	0.00
Total 170-100-00 Fixed Asset	0.00	0.00	0.00	0.00	0.00
Total Fixed Assets	0.00	0.00	0.00	0.00	0.00
TOTAL ASSETS	2,800.00	14.86	0.00	0.98	0.00
LIABILITIES & EQUITY					
Liabilities					
Current Liabilities					
Accounts Payable	0.00	0.00	0.00	0.00	0.00
2000 - Payables (Operating Only)	0.00	0.00	0.00	0.00	0.00
Total Accounts Payable	0.00	0.00	0.00	0.00	0.00
Other Current Liabilities					
201-100-00 Accounts Payable Gen	0.00	0.00	0.00	0.00	0.00
203-100-00 Compensated Absence	0.00	0.00	0.00	0.00	0.00
222-100-00 Deferred Compensatio	0.00	0.00	0.00	0.00	0.00
280-100-00 Other Post Emp. Ben.	0.00	0.00	0.00	0.00	0.00
Total Other Current Liabilities	0.00	0.00	0.00	0.00	0.00
Total Current Liabilities	0.00	0.00	0.00	0.00	0.00
Total Liabilities					
Equity	0.00	0.00	0.00	0.00	0.00
309-100-00 Invested In Capital	2,800.00	4,059.74	0.00	11,925.13	17,741.00
390 - Retained Earnings	0.00	-4,044.88	0.00	-11,924.15	-17,741.00
Net Income	2,800.00	14.86	0.00	0.98	0.00
Total Equity	2,800.00	14.86	0.00	0.98	0.00
TOTAL LIABILITIES & EQUITY	2,800.00	14.86	0.00	0.98	0.00

Northern Sierra Air Quality Management District Balance Sheet by Class

As of June 30, 2016

Accrual Basis

	AB 2014-07 Nevada City Police (Nevada County)	AB 2014-08 Fire Safe Council (Nevada County)	AB 2014-09 Library (Nevada County)	AB 2014-10 Hanson Bros (Nevada County)	AB 2015-01 NSAQMD (Nevada County)
ASSETS					
Current Assets					
Checking/Savings	0.00	0.00	0.00	0.00	0.00
101-100-00 Cash, Gen Funds	0.00	0.00	21,207.00	0.00	1,886.42
101-200-00 Cash, Res Funds	0.00	0.00	0.00	0.00	0.00
103-100-00 Cash, Bank Payroll,	0.00	0.00	0.00	0.00	0.00
104-100-00 Cash, Bank GovPay	0.00	0.00	0.00	0.00	0.00
Total Checking/Savings	0.00	0.00	21,207.00	0.00	1,886.42
Other Current Assets					
130-100-00 Receivable Gen	0.00	0.00	0.00	0.00	0.00
130-200-00 Receivable Res	0.00	0.00	0.00	0.00	0.00
150-100-00 Prepaid Expenses Gen	0.00	0.00	0.00	0.00	0.00
1499 - Undeposited Funds	0.00	0.00	0.00	0.00	0.00
Total Other Current Assets	0.00	0.00	0.00	0.00	0.00
Total Current Assets	0.00	0.00	21,207.00	0.00	1,886.42
Fixed Assets					
170-100-00 Fixed Asset	0.00	0.00	0.00	0.00	0.00
170-100-10 Equipment (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-20 Vehicles (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-30 Office Equip Furnitu	0.00	0.00	0.00	0.00	0.00
170-100-40 Acc Dep'r Field Equip	0.00	0.00	0.00	0.00	0.00
170-100-50 Acc Equip Vehicles (	0.00	0.00	0.00	0.00	0.00
170-100-60 Acc Dep Office Equip	0.00	0.00	0.00	0.00	0.00
Total 170-100-00 Fixed Asset	0.00	0.00	0.00	0.00	0.00
Total Fixed Assets	0.00	0.00	0.00	0.00	0.00
TOTAL ASSETS	0.00	0.00	21,207.00	0.00	1,886.42
LIABILITIES & EQUITY					
Liabilities					
Current Liabilities					
Accounts Payable	0.00	0.00	0.00	0.00	718.00
2000 - Payables (Operating Only)	0.00	0.00	0.00	0.00	718.00
Total Accounts Payable	0.00	0.00	0.00	0.00	718.00
Other Current Liabilities					
201-100-00 Accounts Payable Gen	0.00	0.00	0.00	0.00	0.00
203-100-00 Compensated Absence	0.00	0.00	0.00	0.00	0.00
222-100-00 Deferred Compensatio	0.00	0.00	0.00	0.00	0.00
280-100-00 Other Post Emp. Ben.	0.00	0.00	0.00	0.00	0.00
Total Other Current Liabilities	0.00	0.00	0.00	0.00	0.00
Total Current Liabilities	0.00	0.00	0.00	0.00	718.00
Total Liabilities					
Total Liabilities	0.00	0.00	0.00	0.00	718.00
Equity					
309-100-00 Invested in Capital	0.00	0.00	0.00	0.00	0.00
3900 - Retained Earnings	0.00	13,123.14	33,455.00	58,330.00	6,282.00
Net Income	0.00	-13,123.14	-12,248.00	-58,330.00	-5,113.58
Total Equity	0.00	0.00	21,207.00	0.00	1,168.42
TOTAL LIABILITIES & EQUITY	0.00	0.00	21,207.00	0.00	1,886.42

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Northern Sierra Air Quality Management District Balance Sheet by Class

As of June 30, 2016

	AB 2015-02 NC CDA & IGS (Nevada County)	AB 2015-03 NC Police (Nevada County)	AB 2015-04 NC Public Works (Nevada County)	AB 2015-05 NC Library (Nevada County)	AB 2015-06 NC Library (Nevada County)
ASSETS					
Current Assets					
Checking/Savings					
101-100-00 Cash, Gen Funds	0.00	0.00	0.00	0.00	0.00
101-200-00 Cash, Res Funds	2,250.00	0.00	30,000.00	25,000.00	11,566.40
103-100-00 Cash, Bank Payroll,	0.00	0.00	0.00	0.00	0.00
104-100-00 Cash, Bank GovPay	0.00	0.00	0.00	0.00	0.00
Total Checking/Savings	2,250.00	0.00	30,000.00	25,000.00	11,566.40
Other Current Assets					
130-100-00 Receivable Gen	0.00	0.00	0.00	0.00	0.00
130-200-00 Receivable Res	0.00	0.00	0.00	0.00	0.00
150-100-00 Prepaid Expenses Gen	0.00	0.00	0.00	0.00	0.00
1499 - Undeposited Funds	0.00	0.00	0.00	0.00	0.00
Total Other Current Assets	0.00	0.00	0.00	0.00	0.00
Total Current Assets	2,250.00	0.00	30,000.00	25,000.00	11,566.40
Fixed Assets					
170-100-00 Fixed Asset	0.00	0.00	0.00	0.00	0.00
170-100-10 Equipment (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-20 Vehicles (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-30 Office Equip Furnitu	0.00	0.00	0.00	0.00	0.00
170-100-40 Acc Depr Field Equip	0.00	0.00	0.00	0.00	0.00
170-100-50 Acc Equip Vehicles (	0.00	0.00	0.00	0.00	0.00
170-100-60 Acc Dep Office Equip	0.00	0.00	0.00	0.00	0.00
Total 170-100-00 Fixed Asset	0.00	0.00	0.00	0.00	0.00
Total Fixed Assets	0.00	0.00	0.00	0.00	0.00
TOTAL ASSETS	2,250.00	0.00	30,000.00	25,000.00	11,566.40
LIABILITIES & EQUITY					
Liabilities					
Current Liabilities					
Accounts Payable	0.00	0.00	0.00	0.00	0.00
2000 - Payables (Operating Only)	0.00	0.00	0.00	0.00	0.00
Total Accounts Payable	0.00	0.00	0.00	0.00	0.00
Other Current Liabilities					
201-100-00 Accounts Payable Gen	0.00	0.00	0.00	0.00	0.00
203-100-00 Compensated Absence	0.00	0.00	0.00	0.00	0.00
222-100-00 Deferred Compensatio	0.00	0.00	0.00	0.00	0.00
280-100-00 Other Post Emp. Ben.	0.00	0.00	0.00	0.00	0.00
Total Other Current Liabilities	0.00	0.00	0.00	0.00	0.00
Total Current Liabilities	0.00	0.00	0.00	0.00	0.00
Total Liabilities					
Total Liabilities	0.00	0.00	0.00	0.00	0.00
Equity					
309-100-00 Invested in Capital	0.00	0.00	0.00	0.00	0.00
3900 - Retained Earnings	45,000.00	38,980.00	30,000.00	25,000.00	15,500.00
Net Income	-42,750.00	-38,980.00	0.00	0.00	-3,933.60
Total Equity	2,250.00	0.00	30,000.00	25,000.00	11,566.40
TOTAL LIABILITIES & EQUITY	2,250.00	0.00	30,000.00	25,000.00	11,566.40

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Northern Sierra Air Quality Management District Balance Sheet by Class

As of June 30, 2016

	Nevada County - Other (Nevada County)	Total Nevada County (AB-2756)	AB 2013-05 Public Works (Plumas County)	AB 2014-02 NSAQMD Cons DC (Plumas County)	AB 2014-03 NSAQMD Emp DC (Plumas County)
ASSETS					
Current Assets					
Checking/Savings					
101-100-00 Cash, Gen Funds	0.00	0.00	0.00	0.00	0.00
101-200-00 Cash, Res Funds	246,747.06	350,031.10	0.00	0.00	0.00
103-100-00 Cash, Bank Payroll,	0.00	0.00	0.00	0.00	0.00
104-100-00 Cash, Bank GovPay	0.00	0.00	0.00	0.00	0.00
Total Checking/Savings	246,747.06	350,031.10	0.00	0.00	0.00
Other Current Assets					
130-100-00 Receivable Gen	0.00	0.00	0.00	0.00	0.00
130-200-00 Receivable Res	0.00	0.00	0.00	0.00	0.00
150-100-00 Prepaid Expenses Gen	0.00	0.00	0.00	0.00	0.00
1499 - Undeposited Funds	0.00	0.00	0.00	0.00	0.00
Total Other Current Assets	0.00	0.00	0.00	0.00	0.00
Total Current Assets	246,747.06	350,031.10	0.00	0.00	0.00
Fixed Assets					
170-100-00 Fixed Asset					
170-100-10 Equipment (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-20 Vehicles (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-30 Office Equip Furnitu	0.00	0.00	0.00	0.00	0.00
170-100-40 Acc Depr Field Equip	0.00	0.00	0.00	0.00	0.00
170-100-50 Acc Equip Vehicles (	0.00	0.00	0.00	0.00	0.00
170-100-60 Acc Dep Office Equip	0.00	0.00	0.00	0.00	0.00
Total 170-100-00 Fixed Asset	0.00	0.00	0.00	0.00	0.00
Total Fixed Assets	0.00	0.00	0.00	0.00	0.00
TOTAL ASSETS	246,747.06	350,031.10	0.00	0.00	0.00
LIABILITIES & EQUITY					
Liabilities					
Current Liabilities					
Accounts Payable	0.00	718.00	0.00	0.00	0.00
2000 - Payables (Operating Only)	0.00	0.00	0.00	0.00	0.00
Total Accounts Payable	0.00	718.00	0.00	0.00	0.00
Other Current Liabilities					
201-100-00 Accounts Payable Gen	0.00	0.00	0.00	0.00	0.00
203-100-00 Compensated Absence	0.00	0.00	0.00	0.00	0.00
222-100-00 Deferred Compensatio	0.00	0.00	0.00	0.00	0.00
280-100-00 Other Post Emp. Ben.	0.00	0.00	0.00	0.00	0.00
Total Other Current Liabilities	0.00	0.00	0.00	0.00	0.00
Total Current Liabilities	0.00	718.00	0.00	0.00	0.00
Total Liabilities					
Total Liabilities	0.00	718.00	0.00	0.00	0.00
Equity					
309-100-00 Invested in Capital	0.00	0.00	0.00	0.00	0.00
3900 - Retained Earnings	114,107.63	429,620.92	0.00	0.00	0.00
Net Income	132,639.43	-90,307.82	0.00	0.00	0.00
Total Equity	246,747.06	349,313.10	0.00	0.00	0.00
TOTAL LIABILITIES & EQUITY	246,747.06	350,031.10	0.00	0.00	0.00

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Northern Sierra Air Quality Management District Balance Sheet by Class

As of June 30, 2016

Accrual Basis	AB 2015-08 Portola PM Nonattain (Plumas County)	AB 2016-08 Portola MOU (Plumas County)	Plumas County - Other (Plumas County)	Total Plumas County (AB-2766)	AB 2013-06 Inc. Sierra Citizens (Sierra County)
ASSETS					
Current Assets					
Checking/Savings					
101-100-00 Cash, Gen Funds	0.00	0.00	0.00	0.00	0.00
101-200-00 Cash, Res Funds	23,252.51	35,378.00	7,589.25	66,219.76	0.00
103-100-00 Cash, Bank Payroll,	0.00	0.00	0.00	0.00	0.00
104-100-00 Cash, Bank GovPay	0.00	0.00	0.00	0.00	0.00
Total Checking/Savings	23,252.51	35,378.00	7,589.25	66,219.76	0.00
Other Current Assets					
130-100-00 Receivable Gen	0.00	0.00	0.00	0.00	0.00
130-200-00 Receivable Res	0.00	0.00	0.00	0.00	0.00
150-100-00 Prepaid Expenses Gen	0.00	0.00	0.00	0.00	0.00
1499 - Undeposited Funds	0.00	0.00	0.00	0.00	0.00
Total Other Current Assets	0.00	0.00	0.00	0.00	0.00
Total Current Assets	23,252.51	35,378.00	7,589.25	66,219.76	0.00
Fixed Assets					
170-100-00 Fixed Asset	0.00	0.00	0.00	0.00	0.00
170-100-10 Equipment (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-20 Vehicles (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-30 Office Equip Furnitu	0.00	0.00	0.00	0.00	0.00
170-100-40 Acc Depr Field Equip	0.00	0.00	0.00	0.00	0.00
170-100-50 Acc Equip Vehicles (	0.00	0.00	0.00	0.00	0.00
170-100-60 Acc Dep Office Equip	0.00	0.00	0.00	0.00	0.00
Total 170-100-00 Fixed Asset	0.00	0.00	0.00	0.00	0.00
Total Fixed Assets	0.00	0.00	0.00	0.00	0.00
Total Assets	23,252.51	35,378.00	7,589.25	66,219.76	0.00
LIABILITIES & EQUITY					
Liabilities					
Current Liabilities					
Accounts Payable	0.00	0.00	0.00	0.00	0.00
2000 - Payables (Operating Only)	0.00	0.00	0.00	0.00	0.00
Total Accounts Payable	0.00	0.00	0.00	0.00	0.00
Other Current Liabilities					
201-100-00 Accounts Payable Gen	0.00	0.00	0.00	0.00	0.00
203-100-00 Compensated Absence	0.00	0.00	0.00	0.00	0.00
222-100-00 Deferred Compensatio	0.00	0.00	0.00	0.00	0.00
280-100-00 Other Post Emp. Ben.	0.00	0.00	0.00	0.00	0.00
Total Other Current Liabilities	0.00	0.00	0.00	0.00	0.00
Total Current Liabilities	0.00	0.00	0.00	0.00	0.00
Equity					
308-100-00 Invested in Capital	0.00	0.00	0.00	0.00	0.00
3900 - Retained Earnings	33,211.00	35,378.00	-35,768.30	32,820.70	0.00
Net Income	-9,958.49	0.00	43,357.55	33,399.06	0.00
Total Equity	23,252.51	35,378.00	7,589.25	66,219.76	0.00
Total Liabilities & Equity	23,252.51	35,378.00	7,589.25	66,219.76	0.00

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Northern Sierra Air Quality Management District Balance Sheet by Class

As of June 30, 2016

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	AB 2014-04 Inc. Senior Citizens (Sierra County)	AB 2015-07 Inc. Sierra Citizens (Sierra County)	Sierra County - Other (Sierra County)	Total Sierra County (AB-2766)	Total AB-2766 (Restricted)
ASSETS					
Current Assets					
Checking/Savings	0.00	0.00	883.63	0.00	0.00
101-100-00 Cash, Gen Funds	0.00	3,418.00	883.63	4,301.63	420,552.49
101-200-00 Cash, Res Funds	0.00	0.00	0.00	0.00	0.00
103-100-00 Cash, Bank Payroll,	0.00	0.00	0.00	0.00	0.00
104-100-00 Cash, Bank GovPay	0.00	0.00	0.00	0.00	0.00
Total Checking/Savings	0.00	3,418.00	883.63	4,301.63	420,552.49
Other Current Assets					
130-100-00 Receivable Gen	0.00	0.00	0.00	0.00	0.00
130-200-00 Receivable Res	0.00	0.00	0.00	0.00	0.00
150-100-00 Prepaid Expenses Gen	0.00	0.00	0.00	0.00	0.00
1499 - Undeposited Funds	0.00	0.00	0.00	0.00	0.00
Total Other Current Assets	0.00	0.00	0.00	0.00	0.00
Total Current Assets	0.00	3,418.00	883.63	4,301.63	420,552.49
Fixed Assets					
170-100-00 Fixed Asset	0.00	0.00	0.00	0.00	0.00
170-100-10 Equipment (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-20 Vehicles (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-30 Office Equip Furnitu	0.00	0.00	0.00	0.00	0.00
170-100-40 Acc Dep'r Field Equip	0.00	0.00	0.00	0.00	0.00
170-100-50 Acc Equip Vehicles I	0.00	0.00	0.00	0.00	0.00
170-100-60 Acc Dep Office Equip	0.00	0.00	0.00	0.00	0.00
Total 170-100-00 Fixed Asset	0.00	0.00	0.00	0.00	0.00
Total Fixed Assets	0.00	0.00	0.00	0.00	0.00
TOTAL ASSETS	0.00	3,418.00	883.63	4,301.63	420,552.49
LIABILITIES & EQUITY					
Liabilities					
Accounts Payable	0.00	0.00	0.00	0.00	0.00
2000 - Payables (Operating Only)	0.00	0.00	0.00	0.00	0.00
Total Accounts Payable	0.00	0.00	0.00	0.00	0.00
Other Current Liabilities					
201-100-00 Accounts Payable Gen	0.00	0.00	0.00	0.00	0.00
203-100-00 Compensated Absence	0.00	0.00	0.00	0.00	0.00
222-100-00 Deferred Compensatio	0.00	0.00	0.00	0.00	0.00
280-100-00 Other Post Emp. Ben.	0.00	0.00	0.00	0.00	0.00
Total Other Current Liabilities	0.00	0.00	0.00	0.00	0.00
Total Current Liabilities	0.00	0.00	0.00	0.00	0.00
Total Liabilities					
Equity	0.00	0.00	0.00	0.00	0.00
309-100-00 Invested in Capital	3,921.00	5,240.00	-2,586.50	6,572.50	469,014.12
3900 - Retained Earnings	-3,921.00	-1,822.00	3,472.13	-2,270.87	-49,179.63
Net Income	0.00	3,418.00	883.63	4,301.63	419,834.49
Total Equity	0.00	3,418.00	883.63	4,301.63	420,552.49
TOTAL LIABILITIES & EQUITY	0.00	3,418.00	883.63	4,301.63	420,552.49

Northern Sierra Air Quality Management District Balance Sheet by Class

As of June 30, 2016



	AB 923 2014-101 (AB 923)	AB 923 - Other (AB 923)	Total AB 923 (Restricted)	CM 2013-10 Hansen Bros (Carl Moyer)	CM 2014-01 Collins Pine (Carl Moyer)
ASSETS					
Current Assets					
Checking/Savings					
101-100-00 Cash, Gen Funds	0.00	0.00	0.00	0.00	0.00
101-200-00 Cash, Res Funds	80,235.22	80,235.22	80,235.22	0.00	0.00
103-100-00 Cash, Bank Payroll,	0.00	0.00	0.00	0.00	0.00
104-100-00 Cash, Bank Gov/Pay	0.00	0.00	0.00	0.00	0.00
Total Checking/Savings	80,235.22	80,235.22	80,235.22	0.00	0.00
Other Current Assets					
130-100-00 Receivable Gen	0.00	0.00	0.00	0.00	0.00
130-200-00 Receivable Res	0.00	0.00	0.00	0.00	0.00
150-100-00 Prepaid Expenses Gen	0.00	0.00	0.00	0.00	0.00
1499 - Undeposited Funds	0.00	0.00	0.00	0.00	0.00
Total Other Current Assets	0.00	0.00	0.00	0.00	0.00
Total Current Assets	80,235.22	80,235.22	80,235.22	0.00	0.00
Fixed Assets					
170-100-00 Fixed Asset	0.00	0.00	0.00	0.00	0.00
170-100-10 Equipment (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-20 Vehicles (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-30 Office Equip Furnitu	0.00	0.00	0.00	0.00	0.00
170-100-40 Acc Depr Field Equip	0.00	0.00	0.00	0.00	0.00
170-100-50 Acc Equip Vehicles (	0.00	0.00	0.00	0.00	0.00
170-100-60 Acc Dep Office Equip	0.00	0.00	0.00	0.00	0.00
Total 170-100-00 Fixed Asset	0.00	0.00	0.00	0.00	0.00
Total Fixed Assets	0.00	0.00	0.00	0.00	0.00
Total Current Assets	80,235.22	80,235.22	80,235.22	0.00	0.00
LIABILITIES & EQUITY					
Liabilities					
Current Liabilities					
Accounts Payable	0.00	0.00	0.00	0.00	0.00
2000 - Payables (Operating Only)	0.00	0.00	0.00	0.00	0.00
Total Accounts Payable	0.00	0.00	0.00	0.00	0.00
Other Current Liabilities					
201-100-00 Accounts Payable Gen	0.00	0.00	0.00	0.00	0.00
203-100-00 Compensated Absence	0.00	0.00	0.00	0.00	0.00
222-100-00 Deferred Compensatio	0.00	0.00	0.00	0.00	0.00
280-100-00 Other Post Emp. Ben.	0.00	0.00	0.00	0.00	0.00
Total Other Current Liabilities	0.00	0.00	0.00	0.00	0.00
Total Current Liabilities	0.00	0.00	0.00	0.00	0.00
Total Liabilities					
Total Liabilities	0.00	0.00	0.00	0.00	0.00
Equity					
309-100-00 Invested in Capital	0.00	0.00	0.00	0.00	0.00
3900 - Retained Earnings	38,627.89	41,607.33	38,627.89	0.00	0.00
Net Income	41,607.33	80,235.22	41,607.33	0.00	0.00
Total Equity	80,235.22	80,235.22	80,235.22	0.00	0.00
TOTAL LIABILITIES & EQUITY	80,235.22	80,235.22	80,235.22	0.00	0.00

Northern Sierra Air Quality Management District Balance Sheet by Class

As of June 30, 2016



	CM 2016-01 Marsh, Dennis (Carl Meyer)	CM 2016-02 Burns, J. (Carl Meyer)	CM 2016-03 Avery, Chuck (Carl Meyer)	CM 2016-04 Joy Engineering (Carl Meyer)	CM 2016-05 Roberti (Carl Meyer)
ASSETS					
Current Assets					
Checking/Savings	0.00	0.00	0.00	0.00	0.00
101-100-00 Cash, Gen Funds	0.00	0.00	0.00	67,150.62	45,300.00
101-200-00 Cash, Res Funds	0.00	0.00	0.00	0.00	0.00
103-100-00 Cash, Bank Payroll,	0.00	0.00	0.00	0.00	0.00
104-100-00 Cash, Bank GovPay	0.00	0.00	0.00	67,150.62	45,300.00
Total Checking/Savings	0.00	0.00	0.00	67,150.62	45,300.00
Other Current Assets					
130-100-00 Receivable Gen	0.00	0.00	0.00	0.00	0.00
130-200-00 Receivable Res	0.00	0.00	0.00	0.00	0.00
150-100-00 Prepaid Expenses Gen	0.00	0.00	0.00	0.00	0.00
1499 - Undeposited Funds	0.00	0.00	0.00	0.00	0.00
Total Other Current Assets	0.00	0.00	0.00	0.00	0.00
Total Current Assets	0.00	0.00	0.00	67,150.62	45,300.00
Fixed Assets					
170-100-00 Fixed Asset	0.00	0.00	0.00	0.00	0.00
170-100-10 Equipment (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-20 Vehicles (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-30 Office Equip Furnitu	0.00	0.00	0.00	0.00	0.00
170-100-40 Acc Depr Field Equip	0.00	0.00	0.00	0.00	0.00
170-100-50 Acc Equip Vehicles I	0.00	0.00	0.00	0.00	0.00
170-100-60 Acc Dep Office Equip	0.00	0.00	0.00	0.00	0.00
Total 170-100-00 Fixed Asset	0.00	0.00	0.00	0.00	0.00
Total Fixed Assets	0.00	0.00	0.00	0.00	0.00
TOTAL ASSETS	0.00	0.00	0.00	67,150.62	45,300.00
LIABILITIES & EQUITY					
Liabilities					
Current Liabilities					
Accounts Payable	0.00	0.00	0.00	0.00	0.00
2000 - Payables (Operating Only)	0.00	0.00	0.00	0.00	0.00
Total Accounts Payable	0.00	0.00	0.00	0.00	0.00
Other Current Liabilities					
201-100-00 Accounts Payable Gen	0.00	0.00	0.00	0.00	0.00
203-100-00 Compensated Absence	0.00	0.00	0.00	0.00	0.00
222-100-00 Deferred Compensatio	0.00	0.00	0.00	0.00	0.00
280-100-00 Other Post Emp. Ben.	0.00	0.00	0.00	0.00	0.00
Total Other Current Liabilities	0.00	0.00	0.00	0.00	0.00
Total Current Liabilities	0.00	0.00	0.00	0.00	0.00
Total Liabilities					
Total Liabilities	0.00	0.00	0.00	0.00	0.00
Equity					
300-100-00 Invested in Capital	22,521.60	53,121.60	99,764.52	67,150.62	45,300.00
3900 - Retained Earnings	-22,521.60	-53,121.60	-99,764.52	0.00	0.00
Net Income	0.00	0.00	0.00	67,150.62	45,300.00
Total Equity	0.00	0.00	0.00	67,150.62	45,300.00
TOTAL LIABILITIES & EQUITY	0.00	0.00	0.00	67,150.62	45,300.00

Northern Sierra Air Quality Management District
Balance Sheet by Class
As of June 30, 2016

	CM 2016-06 Skoverski (Carl Moyer)	Carl Moyer - Other (Carl Moyer)	Total Carl Moyer (Restricted)	H&S Mitigation (Restricted)	Interest (Restricted)
ASSETS					
Current Assets					
Checking/Savings					
101-100-00 Cash, Gen Funds	0.00	0.00	0.00	0.00	0.00
101-200-00 Cash, Res Funds	140,000.00	1,895.74	254,346.36	347,400.00	7,659.70
103-100-00 Cash, Bank Payroll,	0.00	0.00	0.00	0.00	0.00
104-100-00 Cash, Bank GovPay	0.00	0.00	0.00	0.00	0.00
Total Checking/Savings	140,000.00	1,895.74	254,346.36	347,400.00	7,659.70
Other Current Assets					
130-100-00 Receivable Gen	0.00	0.00	0.00	0.00	0.00
130-200-00 Receivable Res	0.00	0.00	0.00	0.00	0.00
150-100-00 Prepaid Expenses Gen	0.00	0.00	0.00	0.00	0.00
1499 - Undeposited Funds	0.00	0.00	0.00	0.00	0.00
Total Other Current Assets	0.00	0.00	0.00	0.00	0.00
Total Current Assets	140,000.00	1,895.74	254,346.36	347,400.00	7,659.70
Fixed Assets					
170-100-00 Fixed Asset	0.00	0.00	0.00	0.00	0.00
170-100-10 Equipment (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-20 Vehicles (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-30 Office Equip Furnitu	0.00	0.00	0.00	0.00	0.00
170-100-40 Acc Depr Field Equip	0.00	0.00	0.00	0.00	0.00
170-100-50 Acc Equip Vehicles (	0.00	0.00	0.00	0.00	0.00
170-100-60 Acc Dep Office Equip	0.00	0.00	0.00	0.00	0.00
Total 170-100-00 Fixed Asset	0.00	0.00	0.00	0.00	0.00
Total Fixed Assets	0.00	0.00	0.00	0.00	0.00
TOTAL ASSETS	140,000.00	1,895.74	254,346.36	347,400.00	7,659.70
LIABILITIES & EQUITY					
Liabilities					
Current Liabilities					
Accounts Payable	0.00	0.00	0.00	0.00	0.00
2000 - Payables (Operating Only)	0.00	0.00	0.00	0.00	0.00
Total Accounts Payable	0.00	0.00	0.00	0.00	0.00
Other Current Liabilities					
201-100-00 Accounts Payable Gen	0.00	0.00	0.00	0.00	0.00
203-100-00 Compensated Absence	0.00	0.00	0.00	0.00	0.00
222-100-00 Deferred Compensatio	0.00	0.00	0.00	0.00	0.00
280-100-00 Other Post Emp. Ben.	0.00	0.00	0.00	0.00	0.00
Total Other Current Liabilities	0.00	0.00	0.00	0.00	0.00
Total Current Liabilities	0.00	0.00	0.00	0.00	0.00
Total Liabilities					
Total Liabilities	0.00	0.00	0.00	0.00	0.00
Equity					
308-100-00 Invested in Capital	0.00	0.00	0.00	0.00	0.00
3900 - Retained Earnings	140,000.00	-178,006.13	249,852.21	0.00	0.00
Net Income	0.00	179,901.67	4,494.15	347,400.00	7,659.70
Total Equity	140,000.00	1,895.74	254,346.36	347,400.00	7,659.70
TOTAL LIABILITIES & EQUITY	140,000.00	1,895.74	254,346.36	347,400.00	7,659.70

Northern Sierra Air Quality Management District Balance Sheet by Class

As of June 30, 2016

	LESB (Restricted)	Craven, Daniel (Timber)	Wood, Mike (Timber)	Timber - Other (Timber)	Total Timber (Restricted)
ASSETS					
Current Assets					
Checking/Savings					
101-100-00 Cash, Gen Funds	0.00	0.00	0.00	0.00	0.00
101-200-00 Cash, Res Funds	40,000.00	55,000.00	19,794.48	114,794.48	114,794.48
103-100-00 Cash, Bank Payroll,	0.00	0.00	0.00	0.00	0.00
104-100-00 Cash, Bank GovPay	0.00	0.00	0.00	0.00	0.00
Total Checking/Savings	40,000.00	55,000.00	19,794.48	114,794.48	114,794.48
Other Current Assets					
130-100-00 Receivable Gen	0.00	0.00	0.00	0.00	0.00
130-200-00 Receivable Res	0.00	0.00	0.00	0.00	0.00
150-100-00 Prepaid Expenses Gen	0.00	0.00	0.00	0.00	0.00
1499 - Undeposited Funds	0.00	0.00	0.00	0.00	0.00
Total Other Current Assets	0.00	0.00	0.00	0.00	0.00
Total Current Assets	40,000.00	55,000.00	19,794.48	114,794.48	114,794.48
Fixed Assets					
170-100-00 Fixed Asset	0.00	0.00	0.00	0.00	0.00
170-100-10 Equipment (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-20 Vehicles (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-30 Office Equip Furnitu	0.00	0.00	0.00	0.00	0.00
170-100-40 Acc Depr Field Equip	0.00	0.00	0.00	0.00	0.00
170-100-50 Acc Equip Vehicles (	0.00	0.00	0.00	0.00	0.00
170-100-60 Acc Dep Office Equip	0.00	0.00	0.00	0.00	0.00
Total 170-100-00 Fixed Asset	0.00	0.00	0.00	0.00	0.00
Total Fixed Assets	0.00	0.00	0.00	0.00	0.00
TOTAL ASSETS	40,000.00	55,000.00	19,794.48	114,794.48	114,794.48
LIABILITIES & EQUITY					
Liabilities					
Current Liabilities					
Accounts Payable	0.00	0.00	0.00	0.00	0.00
2000 - Payables (Operating Only)	0.00	0.00	0.00	0.00	0.00
Total Accounts Payable	0.00	0.00	0.00	0.00	0.00
Other Current Liabilities					
201-100-00 Accounts Payable Gen	0.00	0.00	0.00	0.00	0.00
203-100-00 Compensated Absence	0.00	0.00	0.00	0.00	0.00
222-100-00 Deferred Compensatio	0.00	0.00	0.00	0.00	0.00
280-100-00 Other Post Emp. Ben.	0.00	0.00	0.00	0.00	0.00
Total Other Current Liabilities	0.00	0.00	0.00	0.00	0.00
Total Current Liabilities	0.00	0.00	0.00	0.00	0.00
Total Liabilities					
Equity	0.00	0.00	0.00	0.00	0.00
309-100-00 Invested in Capital	0.00	40,000.00	55,000.00	-53,244.08	41,755.92
3900 - Retained Earnings	0.00	0.00	0.00	73,038.56	73,038.56
Net Income	0.00	40,000.00	55,000.00	19,794.48	114,794.48
Total Equity	0.00	40,000.00	55,000.00	19,794.48	114,794.48
TOTAL LIABILITIES & EQUITY	0.00	40,000.00	55,000.00	19,794.48	114,794.48

Northern Sierra Air Quality Management District
Balance Sheet by Class
As of June 30, 2016

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	City of Portola Woodstove Repla (WCO BUG)	WCO BUG - Other (WCO BUG)	Total WCO BUG (Restricted)	Restricted - Other (Restricted)	Total Restricted
ASSETS					
Current Assets					
Checking/Savings					
101-100-00 Cash, Gen Funds	0.00	0.00	0.00	0.00	0.00
101-200-00 Cash, Res Funds	5,470.33	-20.51	5,449.82	0.00	1,230,448.07
103-100-00 Cash, Bank Payroll,	0.00	0.00	0.00	0.00	0.00
104-100-00 Cash, Bank GovPay	0.00	0.00	0.00	0.00	0.00
Total Checking/Savings	5,470.33	-20.51	5,449.82	0.00	1,230,448.07
Other Current Assets					
130-100-00 Receivable Gen	0.00	0.00	0.00	0.00	0.00
130-200-00 Receivable Res	0.00	0.00	0.00	0.00	45,128.65
150-100-00 Prepaid Expenses Gen	0.00	0.00	0.00	0.00	0.00
1499 - Undeposited Funds	0.00	0.00	0.00	0.00	0.00
Total Other Current Assets	0.00	0.00	0.00	0.00	45,128.65
Total Current Assets	5,470.33	-20.51	5,449.82	45,128.65	1,275,576.72
Fixed Assets					
170-100-00 Fixed Asset					
170-100-10 Equipment (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-20 Vehicles (GASB)	0.00	0.00	0.00	0.00	0.00
170-100-30 Office Equip Furnitu	0.00	0.00	0.00	0.00	0.00
170-100-40 Acc Depr Field Equip	0.00	0.00	0.00	0.00	0.00
170-100-50 Acc Equip Vehicles (	0.00	0.00	0.00	0.00	0.00
170-100-60 Acc Dep Office Equip	0.00	0.00	0.00	0.00	0.00
Total 170-100-00 Fixed Asset	0.00	0.00	0.00	0.00	0.00
Total Fixed Assets	0.00	0.00	0.00	0.00	0.00
TOTAL ASSETS	5,470.33	-20.51	5,449.82	45,128.65	1,275,576.72
LIABILITIES & EQUITY					
Liabilities					
Current Liabilities					
Accounts Payable	0.00	0.00	0.00	0.00	718.00
2000 - Payables (Operating Only)	0.00	0.00	0.00	0.00	0.00
Total Accounts Payable	0.00	0.00	0.00	0.00	718.00
Other Current Liabilities					
201-100-00 Accounts Payable Gen	0.00	0.00	0.00	23,387.00	23,387.00
203-100-00 Compensated Absence	0.00	0.00	0.00	0.00	0.00
222-100-00 Deferred Compensatio	0.00	0.00	0.00	0.00	0.00
280-100-00 Other Post Emp. Ben.	0.00	0.00	0.00	0.00	0.00
Total Other Current Liabilities	0.00	0.00	0.00	23,387.00	23,387.00
Total Current Liabilities	0.00	0.00	0.00	23,387.00	24,105.00
Total Liabilities					
Total Liabilities	0.00	0.00	0.00	23,387.00	24,105.00
Equity					
309-100-00 Invested in Capital	0.00	0.00	0.00	0.00	0.00
3900 - Retained Earnings	5,470.33	12.34	5,482.67	21,741.65	826,474.46
Net Income	0.00	-32.85	-32.85	0.00	424,997.26
Total Equity	5,470.33	-20.51	5,449.82	21,741.65	1,251,471.72
TOTAL LIABILITIES & EQUITY	5,470.33	-20.51	5,449.82	45,128.65	1,275,576.72

**Northern Sierra Air Quality Management District
Balance Sheet by Class**

As of June 30, 2016

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	Unclassified	TOTAL
ASSETS		
Current Assets		
Checking/Savings		
101-100-00 Cash, Gen Funds	0.00	591,978.28
101-200-00 Cash, Res Funds	0.00	1,230,448.07
103-100-00 Cash, Bank Payroll	0.00	39,170.82
104-100-00 Cash, Bank GovPay	0.00	3,113.06
Total Checking/Savings	0.00	1,864,710.23
Other Current Assets		
130-100-00 Receivable Gen	0.00	83,353.43
130-200-00 Receivable Res	0.00	45,128.66
150-100-00 Prepaid Expenses Gen	0.00	17,411.00
1499 - Undeposited Funds	0.00	591.94
Total Other Current Assets	0.00	146,485.02
Total Current Assets	0.00	2,011,195.25
Fixed Assets		
170-100-00 Fixed Asset	0.00	182,630.04
170-100-10 Equipment (GASB)	0.00	81,861.00
170-100-20 Vehicles (GASB)	0.00	106,173.19
170-100-30 Office Equip Furnitu	0.00	-147,558.00
170-100-40 Acc Depr Field Equip	0.00	-89,447.00
170-100-50 Acc Equip Vehicles (	0.00	-72,129.00
170-100-60 Acc Dep Office Equip	0.00	-
Total 170-100-00 Fixed Asset	0.00	61,530.23
Total Fixed Assets	0.00	61,530.23
TOTAL ASSETS	0.00	2,072,725.48
LIABILITIES & EQUITY		
Liabilities		
Current Liabilities		
Accounts Payable	0.00	2,420.05
2000 - Payables (Operating Only)	0.00	-
Total Accounts Payable	0.00	2,420.05
Other Current Liabilities		
201-100-00 Accounts Payable Gen	0.00	29,707.81
203-100-00 Compensated Absence	0.00	30,689.00
222-100-00 Deferred Compensatio	0.00	1,000.00
280-100-00 Other Post Emp. Ben.	0.00	223,007.00
Total Other Current Liabilities	0.00	284,383.81
Total Current Liabilities	0.00	286,803.86
Total Liabilities		
Total Liabilities	0.00	286,803.86
Equity		
309-100-00 Invested in Capital	0.00	61,530.23
3900 - Retained Earnings	0.00	1,257,174.94
Net Income	0.00	467,216.45
Total Equity	0.00	1,785,921.62
TOTAL LIABILITIES & EQUITY	0.00	2,072,725.48

To: Northern Sierra Air Quality Management District Board of Directors
From: Gretchen Bennett, Air Pollution Control Officer
Date: October 24, 2016

Agenda Item: IV.C

Agenda Description: CARL Moyer Status Report

Issues:

The Board requested that the Air District update the Board on the status of the Carl Moyer program. The status for FY16/17 is attached.

Requested Action: None

Attachments:

1. Carl Moyer Report, FY16-17

CARL MOYER REPORT, FY 16-17

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Contracts Signed this Fiscal Year, as of October 3, 2016

<u>Name</u>	<u>Contract #</u>	<u>Contract Amount</u>	<u>Amount Disbursed to Date</u>	<u>Project Description</u>
Dennis Marsh (K T Hay Company)	CM 2016-01	\$ 22,521.60	\$ 22,521.60	Ag, Tractor replacement
John Burns (Lafoon Veterinary)	CM 2016-02	\$ 53,121.60	\$ 53,121.60	Ag, Tractor replacement
Chuck Avery (TNT Materials)	CM 2016-03	\$ 99,764.52	\$ 99,764.52	non-Ag, Wheel Loader replacement
Joy Engineering	CM 2016-04	Cancelled**	Cancelled**	non-Ag, Track Type Tractor, repower
Dave Roberti (Roberti Ranch, Inc)	CM 2016-05	\$ 45,300.00	\$ 45,300.00	Ag, Swather replacement
Dave Skoverski (Skoverski Logging)	CM 2016-06	\$ 140,000.00	\$ -	Ag, Wheel Loader replacement
Don Wallace (Wallace Ranch)	CM 2016-07	\$ 62,045.30	\$ 62,045.30	Ag, Tractor replacement
Totals:		\$ 422,753.02	\$ 282,753.02	

Contracts Awaiting Board Approval

<u>Name</u>	<u>Contract #</u>	<u>Contract Amount</u>	<u>Amount Disbursed</u>	<u>Project Description</u>
n/a	n/a	n/a	n/a	n/a
Totals: \$ - \$ -				

Balance Summary

Current Carl Moyer Fund Balance:	\$ 143,658.18
Current Amount of Encumbered Funds:	\$ 140,000.00
Unencumbered Fund Balance:	\$ 3,658.18

Moyer Grant money from CARB expected next FY: \$ 175,000.00 (approximately June of 2017)

** On June 6 Joy Engineering submitted a letter to the District requesting their grant be removed from consideration. Grant amount of \$67,150 was deemed insufficient by the applicant.

CARL MOYER REPORT, FY 16-17

SUMMARY

The Carl Moyer Program is implemented through a partnership between the California Air Resources Board (ARB) and local California air pollution control/air quality management districts (air districts). The Health & Safety Code directs ARB to oversee the Carl Moyer Program by managing program funds; developing and revising guidelines, protocols, and criteria for covered vehicle projects; and determining methodologies used for evaluating project cost-effectiveness. ARB also distributes State funds to participating air districts for program implementation each year. Air districts follow the Carl Moyer Program Guidelines (Guidelines) to select, fund, and monitor specific clean air projects in their areas.

These Guidelines spell out basic requirements for administrative procedures, eligibility criteria for projects in different source categories, cost-effectiveness criteria, and reporting practices. While the Guidelines incorporate criteria specified in State law and provide basic standards for program implementation, air districts may impose additional and/or more stringent criteria in order to tailor their programs to meet local needs. This affords air districts with considerable flexibility in Carl Moyer Program implementation while ensuring the proper and responsible use of State funds.

Below is a list of the types of projects the Air District's current policies allow us to fund:

- * Engine re-power projects, both on-road and off-road
- * Engine retrofit projects, both on-road and off-road
- * Full replacement of off-road equipment only. Examples: Farm or Agricultural equipment, such as tractors, swathers, or log loaders; or, construction equipment such as wheeled front-end loaders. The primary consideration in this category is the replacement of "OFF-ROAD" diesel powered machinery. That would exclude any vehicle that regularly drives on paved roads, such as dump trucks or water trucks.

Because the regulations are complicated and detailed, each project must be individually qualified by Air District staff.

To: Northern Sierra Air Quality Management District Board of Directors
From: Gretchen Bennitt, Air Pollution Control Officer
Date: October 24, 2016

Agenda Item: IV.D

Agenda Description: Ratification of Signed Carl Moyer Contracts – Grant Agreement between Northern Sierra Air Quality Management District and Don Wallace of Wallace Ranches

Issues:

The NSAQMD promotes voluntary diesel engine emission reduction programs under cooperative agreements with eligible applicants to reduce public exposure to ozone precursors and toxic diesel particulate matter. The objective of this Grant Agreement is to reduce these air pollution emissions by fully replacing an uncontrolled 1981 Massey Ferguson agricultural tractor with a Tier 4 John Deere/612OE. The Carl Moyer contract will be limited to \$62,045.30.

Don Wallace applied for the Carl Moyer Grant in August. Since the August Board meeting was cancelled and Policy No. 4040.40 (attached) gives the Chair the legal authority to bind the District to all contracts/agreements, Chair Anderson signed the agreement in August. This allowed Don Wallace to move forward on purchasing the tractor.

Although signatures were obtained from all the parties, Air District staff is requesting that the final contract be ratified. This gives the Board the opportunity to see the final wording of the document and give approval. The Board needs to ratify the final attached document through a roll call vote.

Requested Action: Approve and Ratify the agreement between the Northern Sierra Air Quality Management District and Don Wallace of Wallace Ranches

ROLL CALL VOTE REQUESTED

Attachments:

1. Carl Moyer Contract #2016-07 between Northern Sierra Air Quality Management District and Don Wallace of Wallace Ranches

GRANT AGREEMENT

between

The Northern Sierra Air Quality Management District

and

Don Wallace of Wallace Ranches

This Agreement is made and entered into this 16 day of August, 2016, by and between the NORTHERN SIERRA AIR QUALITY MANAGEMENT DISTRICT (NSAQMD), an air quality management district formed pursuant to the laws of the State of California, and Participant.

WITNESSETH

This Agreement ("Agreement") between the Northern Sierra Air Quality Management District, a public agency of the State of California, hereinafter referred to as "District" and **Don Wallace of Wallace Ranches**, hereinafter referred to as "Participant":

WHEREAS, pursuant to Health and Safety Code §41082, the District may undertake programs that include financial assistance or other incentives to fleet operators for the purchase, conversion, replacement or operation of low-emission motor vehicles; and

WHEREAS, only public or private fleets that permanently reside within Nevada, Sierra, or Plumas Counties qualify for funding; and

WHEREAS, under Resolution No. 2016-03 on January 25, 2016, NSAQMD's Board of Directors authorized the NSAQMD to participate in the 18th year of the "Carl Moyer Memorial Air Quality Standards Attainment Program (Heavy-Duty Low-Emission Vehicle Incentive Program)"; and

WHEREAS, pursuant to Northern Sierra Air Quality Management District Board Resolution No. 2004-03, the Air Pollution Control Officer is authorized to execute incentive agreements for the "Carl Moyer Memorial Air Quality Standards Attainment Program (Heavy-Duty Low-Emission Vehicle Incentive Program)"; and

WHEREAS, "Participant" represents that the purchase is NOT required by any local, state, and/or federal rule or regulation. For public agencies, controlling board policy does NOT require the purchase.

NOW, THEREFORE, based on their mutual promises, covenants, and conditions, the parties hereby agree as follows:

1. PROJECT

Participant shall perform all activities and work necessary to implement and complete the project set forth in the proposal which is incorporated herein as Exhibit A. Participant agrees to furnish all labor, materials, equipment, licenses, permits, fees, and other incidentals necessary to perform and complete, per schedule, in a professional manner, the services described herein. Participant represents that the Participant has the expertise necessary to adequately perform the project specified in Exhibit A.

In the event of any conflict between or among the terms and conditions of this Agreement, the exhibits incorporated herein, and the documents referred to and incorporated herein, such conflict shall be resolved by giving precedence in the following order of priority:

1. The text of this Agreement;
2. Exhibits A, B, Exhibit B-1a to this Agreement;
3. The NSAQMD Year 18 Carl Moyer Incentive Program Policy and Procedures prepared by the NSAQMD; and,
4. The Carl Moyer Program Guidelines (April 28, 2011) and applicable Carl Moyer Program Advisories.

In addition, unless stricter compliance requirements are defined by Items 1 to 3 in the list above, then the project shall comply with the requirements established in Item 4.

2. PERIOD OF PERFORMANCE/TIMETABLE

Participant shall commence performance of work and produce all work products in accordance with the work schedule and deadlines for performance identified in Exhibit A (Statement of Grant Obligations) unless this Agreement is terminated sooner as provided for elsewhere in this Agreement.

3. EQUIPMENT REPLACEMENT REQUIREMENTS

A. Replacement: The Participant shall provide the NSAQMD with a copy of the final invoice from the dealer from whom the replacement equipment will be purchased. Purchase of any equipment/engine other than the one specified on the submitted final invoice shall constitute a breach of this Agreement.

B. Maintenance: The Participant shall maintain the new grant-funded engine(s)/equipment pursuant to the manufacturer's written specifications. Prior to operating the engine(s)/equipment, the Participant will provide the NSAQMD with a copy of the manufacturer's written maintenance specifications. The Participant will keep a maintenance log containing records of all maintenance performed on the engine(s)/equipment.

The Participant shall make these maintenance logs available for NSAQMD review upon request by the NSAQMD. To ensure accurate engine(s)/equipment reporting, Participant is required to maintain equipment (hour meters, odometers) necessary to determine usage. The Participant must document usage during a failure of such equipment and provide the NSAQMD with that documentation with the Annual

Usage Report. Failure to comply with these conditions will constitute a breach of this Agreement. Failure to maintain the engine(s)/equipment to the manufacturer's specifications will constitute a breach of this Agreement.

C. Operation: The Participant shall operate the new grant-funded engine(s)/equipment pursuant to the manufacturer's written specifications. Prior to operating the engine(s)/equipment, the Participant will provide the NSAQMD with a copy of the manufacturer's written operating specifications. Failure to operate the engine(s)/equipment within the manufacturer's specifications will constitute a breach of this Agreement.

D. Modification: The Participant is prohibited from modifying the engine(s)/equipment configuration. This includes but is not limited to modifications to the engine(s)/equipment, electronic control unit, cooling, exhaust, crank-case ventilation and lubrication systems, power take-offs, and the transmission/gear reduction as applicable. The Participant is required to conduct routine maintenance and repair as needed. All components replaced as part of routine maintenance and/or repair must comply with the original installed engine(s)/equipment configuration and manufacturer's specification. Any modifications to the engine(s)/equipment configuration without written consent from an agent authorized by the manufacturer and the NSAQMD will constitute a breach of this Agreement.

4. PERFORMANCE

This project will result in emission reductions because the replacement engine(s)/equipment has (have) lower emissions than the original engine(s)/equipment. The required emission reductions over the Agreement term are specified in Exhibit A. The performance measure to ensure that the required emission reductions are achieved for this project shall be derived from the total engine operation since it (they) was (were) purchased, based on either fuel usage or engine(s)/equipment hours as Specified in Exhibit A. As required by the Carl Moyer Program Guidelines (April 28, 2011), a minimum of 75 percent of the project's operation must be within California.

Annually, through the term of this Agreement or any amendments to it, and starting one year from the day of the NSAQMD post-inspection, Participant shall provide the NSAQMD with Annual Engine/Equipment Usage Reports as outlined in Exhibit B using the report form in (Exhibit B-1a). Prior to this Agreement being deemed complete, the NSAQMD shall assess whether the engine(s)/equipment was (were) sufficiently operated to achieve the required emission reductions. Engine(s)/equipment operation over the Agreement term, must result in the contracted usage as stated in Exhibit A being achieved. In the case where the actual usage is between plus or minus 30% of the contracted usage, then the NSAQMD shall declare the Agreement complete. In the case where the actual usage is 30% above the contracted usage, the Participant will provide the NSAQMD with the reason for the extra usage and if the NSAQMD, the ARB or their designee(s) deem the reasoning acceptable, the NSAQMD shall declare the Agreement complete. In the case where the actual usage is 30% below the contracted usage or excessive usage is not acceptable to the NSAQMD, the ARB or their designee(s), then one of the following performance compliance options for the project shall be selected by the NSAQMD:

1. The Participant shall repay a portion of the grant amount to the NSAQMD where the repayment portion is determined using the following formula:

$$R = G \times \left(1 - \frac{O_{act}}{O_{con}} \right)$$

Where:

R is the repayment amount;

G is the total grant amount as stated in Paragraph 6;

O_{act} is the total actual engine(s) operation amount since the equipment purchase;

O_{con} is the total required engine(s) operation amount over the term of this Agreement defined in Exhibit A;

or,

2. The APCO may, at his or her sole discretion, relieve this obligation to return the funds after considering the circumstances leading to the failure to fulfill the minimum performance requirements. Additionally, the APCO may, at his or her sole discretion, require full reimbursement of all funds paid to the Participant.

5. RECORD KEEPING AND REPORTING

A. Records: Participant shall keep, and provide to NSAQMD or its agents, upon request, accurate financial records (including invoices and published price lists on which Agreement was based) necessary to enable NSAQMD to review Participant's performance of this Agreement. These records shall demonstrate the grant funding has been used for the purchase of engine(s)/equipment and/or provision of services as described in Exhibit A to this Grant Agreement, Statement of Grant Obligations. Participant shall maintain all such records for at least five years after the date on which the engine(s)/ equipment and or/services was (were) purchased.

B. Reports: The Participant shall submit report(s) to the NSAQMD in accordance with the schedule and format specified in Exhibit B (Annual Grant Status Report Format) and Exhibit B-1a (Annual Engine Usage Report). Failure to comply with reporting requirements will trigger District Auditing as specified in the Carl Moyer Program Guidelines.

6. COMPENSATION

NSAQMD may reimburse Participant for up to **Sixty two thousand forty five dollars and 30 cents (\$62,045.30)** ("Total Grant Award") if and when such funds become available to NSAQMD and are budgeted for this purpose by NSAQMD.

A. Payments: Only expenditures incurred by Participant in the direct performance of this Agreement can be reimbursed by NSAQMD. Participant shall invoice the NSAQMD in accordance with the schedule specified in Exhibit A. Payments by NSAQMD to Participant for any services detailed in Exhibit A shall be permitted only after said services have been satisfactorily rendered, and after a written request and claim from Participant for such payment has been received by NSAQMD. Said written request shall set forth the work completed in

the claim period and shall include copies of any and all invoices or financial records needed to verify that stated costs have been incurred by Participant. Invoices and supporting records shall be submitted to NSAQMD no more often than once every five months, unless prior approval for a greater frequency has been given by NSAQMD. Claims and all supporting documentation shall be submitted to the Northern Sierra Air Quality Management District (NSAQMD), PO Box 2509, Grass Valley, California 95945, Attention: Joe Fish.

NSAQMD shall pay Participant the amount of the Total Grant Award within thirty (30) calendar days after receiving a request for payment and verifying that services have been satisfactorily completed as cited in the invoice.

NSAQMD shall review and pay Participant additional sums toward the Total Grant Award if and when (a) NSAQMD receives additional Carl Moyer grant funds for the next funding cycle, and (b) NSAQMD budgets and allocates such funds for the purpose of funding this Agreement.

Participant expressly understands, acknowledges and agrees that NSAQMD will use reasonable efforts to budget and allocate funds to support this Agreement, however NSAQMD cannot make any guarantees as to the availability or amount of any future reimbursement pursuant to this Agreement except for the Total Grant Award expressly set forth above. Any and all future decisions to budget for or expend monies to support this reimbursement agreement are subject to the sole discretion of the NSAQMD Board and, therefore, this Agreement creates no right or entitlement to any future reimbursement whatsoever. NSAQMD shall have no obligation whatsoever to budget or expend monies for the purpose of fully funding this reimbursement agreement nor to use any funds other than Carl Moyer grant funds for the purpose of funding this Agreement.

Any and all obligations or commitments to reimburse Participant under this Agreement shall expire as of the earlier of (a) **December 26, 2016** or (b) termination of the Agreement pursuant to Paragraph 9, below; and that this Agreement may be terminated whether or not Participant has received its full reimbursement for the Total Grant Award. Therefore, Participant further understands, acknowledges, and agrees that this Agreement may terminate before full reimbursement for the Total Grant Award may be made.

The amount to be paid to Participant under this Agreement shall include all sales and use taxes incurred pursuant to this Agreement, if any, including any such taxes due on equipment purchased by Participant.

B. Surplus Funds: Any part or all of a payment by NSAQMD to Participant, which is not utilized for any reason by Participant to pay costs pursuant to the terms and conditions of this Agreement or as detailed in a claim by Participant, shall be refunded to NSAQMD within 30 days after the end of the project term defined in Paragraph 2 above.

C. Close-out Period: All final claims for repayment shall be submitted by Participant to NSAQMD within sixty (60) days following the final month of

activities for which payment is claimed. No action will be taken by NSAQMD on claims submitted beyond the 60-day close-out period.

D. Repossession: If for any reason the lien holder of the new equipment is required to repossess said equipment, the Participant shall be liable for the repayment of the Total Grant Award to the NSAQMD and agrees to reimburse the NSAQMD the full amount of the Total Grant Award as specified herein within 30 days of such repossession of said equipment.

7. NON-ALLOCATION OF FUNDS

The terms of this Agreement and the services to be provided there under are contingent on the approval and appropriation of funds by the NSAQMD, the State of California and the federal government. NSAQMD upon giving **seven (7) calendar days written notice** to Participant, shall have the right to terminate its obligations under this Agreement if the NSAQMD, the Federal Government or the State of California, as the case may be, does not appropriate funds sufficient to discharge NSAQMD's obligations coming due under this Agreement.

8. INDEPENDENT PARTICIPANT

In performance of the work, duties, and obligations assumed by Participant under this Agreement, it is mutually understood and agreed that Participant, including any and all of Participant's officers, agents, and employees, will at all times be acting and performing as an independent Participant and shall act in an independent capacity and not as an officer, agent, servant, employee, joint venturer, partner, or associate of NSAQMD. Furthermore, except for requirements specifically stated in this Agreement, NSAQMD shall have no right to control, supervise or direct the manner or method by which Participant shall perform its work and function. However, NSAQMD shall retain the right to administer this Agreement so as to verify that Participant is performing its obligations in accordance with the terms and conditions thereof. Participant and NSAQMD shall comply with all applicable provisions of law and the rules and regulations, if any, of governmental authorities having jurisdiction over matters the subject thereof.

Because of its status as an independent Participant, Participant shall have absolutely no right to employment rights and benefits available to NSAQMD employees. Participant shall be solely liable and responsible for providing to, or on behalf of, itself all legally required employee benefits. In addition, Participant shall be solely responsible and hold NSAQMD harmless from all matters relating to payment of Participant's employees, including compliance with social security, withholding, and all other regulations governing such matters. It is acknowledged that during the term of this Agreement, Participant may be providing services to others unrelated to NSAQMD or to this Agreement.

9. TERMINATION

A. Breach of Agreement: NSAQMD may immediately suspend or terminate this Agreement, in whole or in part, for any of the following reasons:

1. An illegal or improper use of funds;
2. A failure to comply with any term of this Agreement;
3. A substantially incorrect or incomplete report submitted to NSAQMD;
4. Improperly performed services; or
5. Participant breaches any requirements of the Carl Moyer Program Guidelines (April 28, 2011) and applicable Carl Moyer Program Advisories.

In no event shall any payment by NSAQMD constitute a waiver by NSAQMD, the ARB or their designee(s) of any breach of this Agreement or any default which may then exist on the part of Participant, nor shall such payment impair or prejudice any remedy available to NSAQMD, the ARB or their designee(s) with respect to the breach or default. NSAQMD, the ARB or their designee(s) shall have the right to demand of Participant the repayment to NSAQMD of any funds disbursed to Participant under this Agreement which in the judgment of NSAQMD, the ARB or their designee(s) were not expended in accordance with the terms of this Agreement. Participant shall promptly refund any such funds upon demand.

In addition to immediate suspension or termination, NSAQMD, the ARB or their designee(s) may impose any other remedies available at law, in equity, or otherwise specified in this Agreement.

B. Without Cause: Either party may terminate this Agreement at any time after giving the other party at least thirty (30) days advance written notice of intention to terminate. Upon such termination, all the work, if any, produced by Participant shall be promptly delivered to NSAQMD. Additional terms and conditions may apply in the event of termination by the Participant, as identified in Paragraph 27.C of this Agreement.

10. MODIFICATION

Any matters of this Agreement may be modified from time to time by the written consent of all the parties without in any way affecting the remainder.

11. NON-ASSIGNMENT

Neither party shall assign, transfer, or subcontract this Agreement, nor their rights or duties under this Agreement, without the prior express, written consent of the other party.

12. INDEMNIFICATION

Participant agrees to indemnify, save, hold harmless, and at NSAQMD's request, defend NSAQMD, its boards, committees, representatives, officers, agents, and employees from and against any and all costs and expenses (including reasonable attorneys' fees and litigation costs), damages, liabilities, claims, and losses (whether in contract, tort, or strict liability, including, but not limited to, personal injury, death, and

property damage) occurring or resulting to NSAQMD which arises from any negligent or wrongful acts or omissions of Participant, its officers, agents, subcontractors, or employees in their performance of this Agreement.

In addition, by signing this agreement, Participant affirms that the project proposed in Exhibit A to this Grant Agreement has not been funded and is not being considered for funding by another air district, ARB, or any other public agency. Any applicant who is found to have submitted multiple applications for the same project may be banned by the ARB from submitting future applications to Carl Moyer Program solicitations and may be subject to criminal sanctions. A project funded cooperatively by multiple air districts is eligible for funding if the project parameters are coordinated amongst the participating districts and the project meets all applicable Carl Moyer Program criteria. Applicants are allowed to re-apply for project funding if a previous application has been rejected and is no longer being considered for funding or if the applicant withdraws the previous application from the other funding source.

13. INSURANCE

A. Without limiting NSAQMD's right to obtain indemnification from Participant or any third parties, Participant, at its sole expense, shall maintain in full force and effect the following insurance policies throughout the term of this Agreement:

Commercial general liability insurance with minimum limits of coverage in the amount of one million dollars (\$1,000,000) per occurrence;

Commercial automobile liability insurance which covers bodily injury and property damage with a combined single limit with minimum limits of coverage in the amount of one million dollars (\$1,000,000) per occurrence; and,

Workers' compensation insurance in accordance with California law. In the event Participant is exempt from the requirement of maintaining workers compensation insurance, Participant shall provide to the District satisfactory evidence of such exemption.

B. Prior to finalizing this Agreement, Participant shall provide certifications of insurance on the foregoing policies, as required herein, to NSAQMD, stating that such insurance coverages have been obtained and are in full force. The Participant's general commercial liability insurance policy, worker's compensation policy, and automotive general liability shall endorse/name the NSAQMD, its officers, agents, employees, individually and collectively, as additional insured, but only insofar as the engine(s)/equipment provided under this Agreement. Such coverage for additional insured shall apply as primary insurance, and any other insurance maintained by NSAQMD, its officers, agents, and employees, shall be excess only and not contributing with insurance provided under Participant's policies herein. This insurance shall not be canceled or changed without a minimum of thirty (30) days advance, written notice given to NSAQMD.

C. In the event Participant fails to keep in effect at all times insurance coverage as herein provided, NSAQMD may, in addition to other remedies it may have, suspend or terminate this Agreement upon the occurrence of such event.

14. AUDITS AND INSPECTIONS

Participant shall at any time during regular business hours, and as often as NSAQMD, the ARB or their designee(s) may deem necessary, make available to and permit NSAQMD, the ARB or their designee(s) to inspect and audit all of the Participant's engine(s)/equipment and/or records necessary to determine Participant's compliance with the terms of this Agreement.

Participant shall be subject to an audit by NSAQMD, the ARB or their designee(s) to determine if the revenues received by Participant were spent for the reduction of pollution as provided in this Agreement and to determine whether said funds were utilized as provided by law and this Agreement. If, after audit, NSAQMD, the ARB or their designee(s) makes a determination that funds provided to the Participant pursuant to this Agreement were not spent in conformance with this Agreement or any other applicable provisions of law, Participant agrees to immediately reimburse NSAQMD all funds determined to have been expended not in conformance with this Agreement.

Participant shall retain all records and data for activities performed under this Agreement for at least five (5) years from the date of final payment under this Agreement or until all state and federal audits are completed for that fiscal year, whichever is later.

The Participant understands and agrees that the ARB has the authority and reserves the right to monitor and enforce the terms of the contract at any time during the project life to ensure emission reductions are obtained for a minimum of 75 percent operation within California. The NSAQMD, the ARB or their designee(s) may seek whatever legal, equitable and other remedies are available under State law for the owner's failure to comply with the Carl Moyer Program requirements and failure to fully perform under the grant agreement.

15. NOTICES

The persons and their addresses having authority to give and receive notices under this Agreement are as follows:

PARTICIPANT

Don Wallace
Wallace Ranches
50744 State Highway 49
Loyalton, CA 96118-

NSAQMD

Gretchen Bennitt
Air Pollution Control Officer
Northern Sierra Air Quality Management District
200 Litton Drive, Suite 320
Grass Valley, CA 95945

Any and all notices between NSAQMD and Participant provided for or permitted under this Agreement or by law shall be in writing and shall be deemed duly served when

personally delivered to one of the parties, or in lieu of such personal service, when deposited in the United States mail, postage prepared, addressed to such party.

16. POLITICAL ACTIVITY PROHIBITED

None of the funds, materials, property, or services provided under this Agreement shall be used for any political activity, or to further the election or defeat of any candidate for public office.

17. LOBBYING PROHIBITED

None of the funds provided under this Agreement shall be used for publicity, lobbying, or propaganda purposes designed to support or defeat legislation before the Congress of the United States of America or the Legislature of the State of California.

18. CONFLICT OF INTEREST

No officer, employee, or agent of NSAQMD who exercises any function or responsibility for planning and carrying out the services provided under this Agreement shall have any direct or indirect personal financial interest in this Agreement. Participant shall comply with all federal and state conflict of interest laws, statutes, and regulations, which shall be applicable to all parties and beneficiaries under this Agreement and any officer, agent, or employee of NSAQMD.

19. GOVERNING LAW

This Agreement shall be governed in all respects by the laws of the State of California. Venue for any action arising out of this Agreement shall only be in Nevada County, California.

20. BINDING ON SUCCESSORS

This Agreement, including all covenants and conditions contained herein, shall be binding upon and inure to the benefit of the parties, including their respective successors-in-interest, assigns, and legal representatives.

21. TIME IS OF THE ESSENCE

It is understood that for Participant's performance under this Agreement, time is of the essence. The parties reasonably anticipate that Participant will, to the reasonable satisfaction of NSAQMD, complete all activities provided herein within the time schedule outlined in the attachments to this Agreement, provided that Participant is not caused unreasonable delay in such performance.

22. DATA OWNERSHIP

Upon termination or expiration of this Agreement, all data which is received, collected, produced, or developed by Participant under this Agreement shall become the exclusive property of NSAQMD, provided, however, Participant shall be allowed to retain a copy of any non-confidential data received, collected, produced, or developed by Participant

under this Agreement, subject to NSAQMD's exclusive ownership rights stated herein. Accordingly, Participant shall, if requested, surrender to NSAQMD all such data which is in its possession (including its subcontractors or agents), without any reservation of right or title, not otherwise enumerated herein. NSAQMD shall have the right at reasonable times during the term of this Agreement to inspect and reproduce any data received, collected, produced, or developed by Participant under this Agreement. No reports, professional papers, information, inventions, improvements, discoveries, or data obtained, prepared, assembled, or developed by Participant, pursuant to this Agreement, shall be released or made available (except to NSAQMD) without prior, express written approval of NSAQMD while this Agreement is in force.

23. NO THIRD-PARTY BENEFICIARIES

Notwithstanding anything else stated to the contrary herein, it is understood that Participant's services and activities under this Agreement are being rendered only for the benefit of NSAQMD, and no other person, firm, corporation, or entity shall be deemed an intended third-party beneficiary of this Agreement.

24. SEVERABILITY

In the event that any one or more of the provisions contained in this Agreement shall for any reason be held to be unenforceable in any respect by a court of competent jurisdiction, such holding shall not affect any other provisions of this Agreement, and the Agreement shall then be construed as if such unenforceable provisions are not a part hereof.

25. TITLE TO EQUIPMENT

Title to and risk of loss of equipment purchased with funds received through this Agreement shall, at all times, vest in and with Participant. Participant acknowledges that NSAQMD did not supply, design or manufacture the equipment or any of its components. This equipment is commercially manufactured and sold by a manufacturer to be determined by Participant. NSAQMD specifically disclaims all warranties, express and implied, including the implied warranties of merchantability and fitness for the intended purpose, as to the purchased equipment, any test equipment or field tests. In no event shall NSAQMD be liable to Participant or any third party for any direct, indirect, consequential, special, incidental, or punitive damages for the design, manufacture, operation, maintenance, performance, or demonstration of the purchased equipment under any theory, including but not limited to, tort, contract, breach of warranty, or strict liability.

26. RIGHTS TO EMISSION REDUCTIONS

With the exception of early compliance credits authorized by State statute or regulations written by the California Air Resources Board, Participant transfers and conveys to NSAQMD all rights and claim to ownership of the emission reductions achieved through the project funded by this Agreement. Participant shall not use or attempt to use the emission reductions achieved by the project as emission reduction credits. Participant hereby fully and completely relinquishes such rights for the useful life of the project as specified in Exhibit A.

27. SPECIAL CONDITIONS

A. Agreement Completion: The entire proposed project must be completed according to the schedule presented in Exhibit A, Statement of Grant Obligations. The NSAQMD, at its discretion, may instead elect to modify the said schedule unless such an extension is not possible as a result of regulatory requirements.

B. Disposal of Replaced Equipment: Participant will be removing from service the existing engine(s)/equipment as outlined in Exhibit A.

C. Termination: Participant may terminate its obligation to operate the low emissions equipment funded under this Agreement for good cause provided that Participant shall reimburse the NSAQMD based on the repayment equation specified in Paragraph 4 ("Performance") of this Agreement. Notice of termination shall be provided in writing and shall be effective upon completion of the terms of this Paragraph. Such notice shall terminate Participant's obligation under Paragraphs 1 (Project) and 2 (Period of Performance / Timetable) of this Agreement.

D. Replacement, Sale, Relocation or Damage to Engine(s)/Equipment:

1. Replacement: If for any reason, the new engine(s)/equipment is (are) rendered inoperable during the life of this Agreement, the Participant shall notify the NSAQMD of this fact in writing within 15 days and begin working with the NSAQMD to promptly complete one of the two options listed below:

(a) Participant shall replace the engine(s)/equipment with an engine(s)/equipment that has (have) equal or lesser air emissions, as determined by the NSAQMD. Once the replacement engine(s)/equipment is (are) determined, the NSAQMD will amend the Agreement to specify the replacement engine(s)/equipment. The amendment will also extend the life of the Agreement to account for the time that the engine(s)/equipment was (were) out of service and unable to meet the original Agreement performance obligations. In the event that such an amendment is not possible as a result of regulatory requirements, this Agreement's performance requirements shall be addressed by the Participant repaying the NSAQMD a portion of the grant amount based on the repayment equation specified in Paragraph 4 ("Performance") of this Agreement.

(b) If the Participant elects not to replace the inoperable engine(s)/equipment with an engine(s)/equipment that has (have) greater air emissions, as determined by the NSAQMD, then the Participant shall repay the NSAQMD based on the repayment equation specified in Paragraph 4 ("Performance") of this Agreement.

2. Sale: If for any reason, the new engine(s)/equipment is (are) to be sold by the Participant during the life of this Agreement, the Participant shall notify the NSAQMD of this fact in writing 15 days prior to listing or otherwise preparing for the sale of the engine(s)/equipment and begin working with the NSAQMD to promptly complete one of the following two available options:

(a) Participant shall make compliance with this Agreement a written condition of the sale and a new Agreement between the NSAQMD and the new owner must be finalized as part of the final sale. Sale of the engine(s)/equipment can only occur within Nevada, Sierra or Plumas counties. Copies of all forms pertaining to the sale of the engine(s)/equipment shall be provided to the NSAQMD within 30 days of the sale and the forms shall refer to the existence of this Agreement and the new Agreement in the space provided for Warranties / Appurtenances / Limitations / Exceptions.

(b) If the Participant elects to sell the engine(s)/equipment without the completion of the grant Agreement obligations or the engine(s)/equipment is sold outside of Nevada, Sierra or Plumas counties, the Participant shall repay the NSAQMD based on the repayment equation specified in Paragraph 4 ("Performance") of this Agreement.

3. Relocation: If for any reason during the life of this Agreement the Participant wants to relocate outside of Nevada, Sierra or Plumas counties and continue to use the new engine(s)/equipment inside California, Participant shall notify the NSAQMD of the specifics of the relocation in writing 15 days prior to the relocation and begin working with the NSAQMD to determine the possibility of modifying the Grant Agreement. If relocation occurs outside of California, Participant shall repay the NSAQMD based on the repayment equation specified in Paragraph 4 ("Performance") of this Agreement.

4. Damage: If for any reason, the new engine(s)/equipment is (are) damaged but repairable during the life of this Agreement, the Participant shall notify the NSAQMD of this fact in writing within 15 days and begin working with the NSAQMD to promptly complete one of the two options listed below:

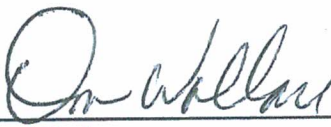
(a) Participant shall have the damaged engine(s)/equipment repaired by an agent that is authorized by the manufacturer to complete the repairs. Use of an unauthorized agent for the engine(s)/equipment repair shall constitute a breach of this Agreement. Depending on the needed repair time, the NSAQMD will determine if an amendment to the Agreement is needed to extend the life of the Agreement to account for the time that the engine(s)/equipment will be out of service and unable to meet the original Agreement performance obligations. In the event that such an amendment is not possible as a result of regulatory requirements, this Agreement's performance requirements shall be addressed by the Participant repaying the NSAQMD a portion of the grant amount based on the repayment equation specified in Paragraph 4 ("Performance") of this Agreement.


(b) If the Participant elects not to have the damaged engine(s)/equipment repaired, then the Participant shall repay the NSAQMD based on the repayment equation specified in Paragraph 4 ("Performance") of this Agreement.

28. ENTIRE AGREEMENT

This Agreement constitutes the entire Agreement between Participant and NSAQMD with respect to the subject matter hereof and supersedes all previous negotiations, proposals, commitments, writings, advertisements, publications, and understandings of any nature whatsoever unless expressly included in this Agreement.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed as of the day and year first hereinabove written. Electronic signatures are acceptable. Contract will be finalized upon receipt of wet signature of Participant in District office.

Approved:  Date: 8/22/16
Don Wallace

Approved:  Date: 8/16/16
Northern Sierra Air Quality Management District
Chair


Approved:  Date: 8/16/16
Northern Sierra Air Quality Management District
Gretchen Bennitt
Air Pollution Control Officer

EXHIBIT A

STATEMENT OF GRANT OBLIGATIONS

General

The NSAQMD promotes voluntary diesel engine emission reduction programs under cooperative agreements with eligible applicants to reduce public exposure to ozone precursors and toxic diesel particulate matter. The objective of this Grant Agreement is to reduce these air pollution emissions from this off-road piece of equipment in the Participant's fleet by replacing the existing equipment with newer equipment. The equipment is based in Sierra County. This project's cost effectiveness is less than the Carl Moyer Program cost effectiveness limit as defined in the most current version of the Carl Moyer Guidelines (Moyer Guidelines) with the Grant Agreement life being 10 years for agricultural equipment and 5 years for all others.

Project Description

	Existing Equipment	New or Replacement Equipment
Type	Ag Tractor	Ag Tractor
Make / Model	Massey Ferguson / 2675	John Deere / 6120E
VIN / Year	9R008444 / 1981	1P06120EPG0001828 / 2016
	Existing Engine	New or Replacement Engine
Make / Model	Perkins, AG.354.4	John Deere, Power Tech
Serial # / Year	591197 / 1979	PE4045U037326 / 2016
Fuel / HP	Diesel / 100 hp	Diesel / 120 hp
Hours of Op.	500 hrs/yr	500 hrs/yr (+/- 30%)
Family		FJDXL04.5305-001
Eng. Cert.	Uncontrolled	Final Tier 4

Final Disposition of Existing Equipment

The State of California intends that the existing engine(s)/equipment shall be permanently prevented from polluting the air in any location in any manner. Therefore, the engine(s)/equipment shall be rendered permanently inoperable before the Total Grant Award is disbursed by the Air District. The Air District shall do a Final Post Inspection on the existing equipment to ensure that it has been properly rendered permanently inoperable. Typically, that would entail, at a minimum, a hole punched in the engine block and a section of the equipment frame (or some other equivalent structure) permanently removed from the existing equipment.

Total Grant Award

The Total Grant Award for this project shall not exceed \$62,045.30.

Matching Funds

Costs incurred in excess of the Total Grant Award for the project will be the responsibility of the Participant and shall constitute their matching and/or in-kind contribution for the project.

Term of Agreement

1. For the purposes of this Agreement, the term of the Grant Agreement life is defined herein to be **Ten (10)** years from the date of the final post inspection (To be filled in once final post inspection occurs. **Date:**).
2. Installation Deadline: Project shall be completed as soon as possible but must be completed before **December 26, 2016**.
3. No work may begin until contract is fully executed.

EXHIBIT B
ANNUAL GRANT STATUS REPORT FORMAT

Participant shall submit the "Annual Engine/Equipment Usage Report" form below to the NSAQMD for each new low emission engine/equipment funded under this Agreement. The first report is due one year from the day of the NSAQMD post-inspection. The report form will be provided to the NSAQMD annually for the life of the Grant Agreement (either 3 or 10 years). The purpose of this report form is to provide the NSAQMD with feedback as to Participant's experience with the new low emissions equipment and to provide a record of the actual usage versus the usage identified in the Participant's grant application. The report shall include the following items:

1. Name and address of Participant;
2. Project Agreement number;
3. Make and model of equipment purchased;
4. Usage information for the new equipment:
 - Hours of use of the new equipment over the past 12 months; or
 - Estimated fuel use with the new equipment over the past 12 months;
5. Discussion of any repairs, problems, or benefits with the equipment.

Northern Sierra Air Quality Management District
Exhibit B-1a: Annual Engine Usage Report
(Agreement#: CMP 2016-07)

INSTRUCTIONS: Complete this Annual Engine Usage Report every year on the anniversary date of the project's post inspection for the life of the Grant Agreement. The report shall be sent to the NSAQMD within 2 weeks of the post inspection anniversary date.

SECTION 1: GRANTEE INFORMATION

Company/Grantee Name: **Wallace Ranches / Don Wallace**
Company/Grantee Address: **Wallace Ranches / 50744 State Highway 49, Loyalton, CA 96118-**
Company/Grantee Phone Number: **(916) 708-3309**
Date: _____

SECTION 2: ENGINE INFORMATION: Please verify the information below and complete any missing information. **Failure to complete information may lead to an immediate engine inspection and audit.**

1. Location of Equipment /Engine Identified Below: _____
New Equipment: **John Deere 6120E**; VIN: _____
2. Model Year, Make, Model and Family Number of new equipment engine:
New Engine: **2016 John Deere Power Tech** Family: **FJDXL04.5305-001**
Grant Agreement Usage: **500 hours/yr (+/- 30%)**
3. Engine Serial #: _____
4. Power Rating: : **120 HP**
5. Fuel Type: **Diesel**

SECTION 3: ANNUAL USAGE INFORMATION: Provide the following Engine Usage Information:

1. Report Start Date: _____ (MM/DD/YY)
2. Report End Date: _____ (MM/DD/YY)
3. Percent of Time Operated in California: _____
4. Engine Use within the period stated above (complete all that apply):
_____ hours
_____ gallons
_____ N/A miles
5. Has the fleet mod functioned effectively over this period _____
(Yes/No; if No, please attach description of issue(s) & steps taken to resolve issue(s).

Signature _____ Date _____

Mail to: NSAQMD, PO Box 2509, Grass Valley, CA 95945 Fax to: 530-274-7546 Questions: 530-274-9360

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To: Northern Sierra Air Quality Management District Board of Directors
From: Gretchen Bennett, Air Pollution Control Officer
Date: October 24, 2016

Agenda Item: IV.E

Agenda Description: Certified Public Accountant Support

Issues:

The District's Financial Auditor recommended that the District pursue part-time assistance from a Certified Public Accountant. The auditor discussed with the Executive Director that this was necessary for certain duties such as, preparing for financial audit, reporting to the Board, and assistance with the large amounts of grant funding that the District administers.

The Executive Director agreed with the Auditor's recommendation and would like to move forward on ascertaining the support of Certified Public Accountant on a part-time basis (8 - 12 hours/week).

The District is interested in hiring a part-time CPA local to the Grass Valley office to assist the Business Manager in these duties. The District does not believe it will need services more than 40 hours/month. The District plans to request partial reimbursement from the EPA Target grant for the Portola Wood Stove Changeout program.

Requested Action:

- 1. Discuss and Provide Direction**

Attachment:

none

To: Northern Sierra Air Quality Management District Board of Directors

From: Gretchen Bennitt, Air Pollution Control Officer

Date: October 24, 2016

Agenda Item: V.A

Agenda Description: Update on Plumas County PM2.5 Nonattainment Area

Issues: Staff will update the Board on the status of the Federal nonattainment plan and the woodstove changeout program.

A reporter from Hearth and Home Magazine interviewed numerous residents, wood stove retailers, air quality staff and Portola City staff for an article on the wood stove changeout program in the Plumas County PM2.5 Nonattainment Area.

The District is continuing to work with the California Air Resources Board and the Environmental Protection Agency to complete the required State Implementation Plan, or SIP. The plan must be adopted by the Air District's Board of Directors and subsequently adopted by the California Air Resources Board. It must then be submitted and approved by the Environmental Protection Agency. The District anticipates submitting the SIP to the Air District Board of Directors during the November 28, 2016 Board meeting.

Requested Action:

None, informational only

Attachments:

none

To: Northern Sierra Air Quality Management District Board of Directors

From: Gretchen Bennitt, Air Pollution Control Officer

Date: October 24, 2016

Agenda Item: V.B.

Agenda Description: Support letter for Plumas County Fire Safe Council

Issues: The Plumas County Fire Safe Council requested support for application for chipping grant from the State Responsibility Area Fire Prevention Fund.

Requested Action: None

Attachments:

1. September 26, 2016 letter from Gretchen Bennitt to California Department of Forestry and Fire Protection

September 26, 2016

California Department of Forestry and Fire Protection
Attention: Grants Management Unit – SRAFPF and TM Grants
P.O. Box 944246
Sacramento, CA 94244-2460

Re: State Responsibility Area Fire Prevention Fund and Tree Mortality Grant Program

To Whom It May Concern,

The Northern Sierra Air Quality Management District (District) supports the Plumas County Fire Safe Council and their proposal to establish a County-wide chipping program. The Air District sees this as a critical solution to reducing smoke emissions from residential yard waste that would otherwise be burned in an uncontrolled manner in Plumas County.

PM_{2.5}, (smoke) is particulate matter with a diameter of 2.5 microns or less. PM_{2.5} has been shown to contribute to asthma development, lung capacity reduction among children, breathing difficulty, eye irritation, exacerbation of cardiovascular problems, and even premature death. It is especially damaging for sensitive individuals such as children, elderly citizens, individuals with pre-existing health conditions and people who are exercising outdoors.

PM_{2.5} is the main pollutant of concern in Plumas County, and in 2015 the Greater Portola Area was designated as a federal PM_{2.5} nonattainment area. The air quality situation in Plumas County is dire – the Portola area was not only designated as a federal PM_{2.5} nonattainment area, but it was designated for two consecutive years by the Environmental Protection Agency as one of the **top five most polluted areas in the nation** relative to the annual PM_{2.5} standard. One of the major sources contributing to the exceedances of the health standard throughout Plumas County is the open burning of residential green waste. Smoke impacts from wildfires contribute significantly to the already poor air quality in Plumas County.

Since there is no commercial or public alternative for privately generated green waste, the Fire Safe Council is a welcome and capable candidate for providing at-risk communities with needed services. The proposed initiative would directly support the Council's mission: "To reduce the loss of natural and human made resources caused by wildfire through Firewise community programs and pre-fire activities".

The development of a Chipping Program is crucial to controlling the PM_{2.5} emissions in Plumas County to reduce further exceedances of the federal air quality standards.

Respectfully Submitted,



Gretchen Bennitt,
Air Pollution Control Officer

To: Northern Sierra Air Quality Management District Board of Directors
From: Gretchen Bennitt, Air Pollution Control Officer
Date: October 24, 2016

Agenda Item: V.C

Agenda Description: *Tree Mortality*

Issues: Last month, Nevada County declared a local emergency due to extreme tree mortality, and directed a certified copy of the resolution be forwarded to the Governor of California with a request he proclaim the County of Nevada to be in a state of emergency. Nevada County followed up with forming a tree mortality working group and Sam Longmire has been placed on the regulations and public outreach subcommittees.

A central issue, and one which directly affects air quality is the disposal of dead and dying trees. There are a variety of methods and tools; chipping/grinding, open burning, air curtain incinerators, biomass facilities.

Concerning air curtain incinerators, the EPA has stated that air curtain incinerators require federal Title V permits, which could be cumbersome. Because of this, CAPCOA (California Air Pollution Control Officers Association), CARB, OES and the Governor's office are working on a streamlined permit process.

Requested Action: None

Attachments: None