



**GRAND JURY**  
**El Dorado County**

P.O. Box 472  
Placerville, California 95667  
(530) 621-7477  
[gjone@edcgov.us](mailto:gjone@edcgov.us)

March 23, 2012

Mr. Dave Johnston  
Air Pollution Control Officer  
Air Quality Management District  
330 Fair Lane  
Placerville, CA 95667

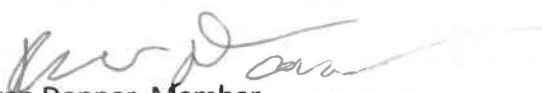
Dear Mr. Johnston:

On behalf of the 2011-12 Grand Jury, it is my pleasure to submit our proposal for AB 2766 Motor Vehicle Emission Reduction Project funding. Specifically, the Grand Jury is requesting \$26,093 for a Polycom HDX 8000-720 video conference system.

The Grand Jury was pleased to see that the Air Quality Management District Board of Directors amended the Request for Proposal to include video conferencing projects that reduce vehicle trips to public facilities. We are confident that our proposal will achieve significant ongoing VMT reductions.

We appreciate the opportunity to apply for AB 2766 funding. Please contact me should you have any questions as you review our proposal.

Sincerely,

  
Ryan Donner, Member  
2011-12 Grand Jury

## Project Summary

**Applicant:** El Dorado County Grand Jury

**Contact Person:** Ryan Donner, Grand Jury Member

**Address:** P.O. Box 472  
360 Fair Lane  
Placerville, CA 95667

**Telephone:** O: (530) 621-7477  
M: (530) 592-7852  
F: (530) 295-0763

**E-mail:** [RDonner@amer-info.com](mailto:RDonner@amer-info.com)

<b>Estimated Emission Reductions/Cost-Effectiveness</b>	
Useful Life of Project (years)	20 years
Total Lifetime Emissions Reduced (lbs. of ROG, NOx, PM-10)	560 pounds
Cost-Effectiveness (total project costs)	\$64.65/pound
Cost-Effectiveness (AQMD Funded project costs)	\$62.27/pound

<b>Budget Summary</b>	<b>AB 2766 Funds</b>	<b>Matching Funds</b>	<b>In-Kind Match</b>	<b>Total Project Costs</b>
Materials	\$26,093			\$26,093
Personnel				
Other			\$1,000	\$1,000
<b>Total</b>				<b>\$27,093</b>

## Contents Checklist

**Applicant:** El Dorado County Grand Jury

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<input checked="" type="checkbox"/>	2 Copies of Proposal	



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Tuesday, March 20<sup>th</sup>, 2012

To Whom It May Concern,

As a three term member of the Grand Jury and its current foreperson I can state from first- hand experience that the El Dorado County Grand Jury needs the ability to video conference. A portion of the Air Quality Control Grant could help us afford this kind of valuable system.

The cost to the county for members from Lake Tahoe to commute to Placerville, this year six total members, is 50 times the cost of west slope members and emits massive amounts of air pollution with over a 110 mile drive at least twice a week.

The intention of the Grand Jury is to draw members from all areas and economic positions; the drive from Lake Tahoe to Placerville greatly limits the ability of Lake Tahoe residents to consider service. In winter conditions the roads are often closed and meetings must be cancelled for lack of a majority.

Often the Grand Jury requires the testimony of county employees. Without video conferencing, the employee must take valuable time and expense in attending an interview. With video conferencing, they can testify and inform from their location at a tremendous cost saving to the county.

 for Ted Long  
Ted Long  
Grand Jury Foreman 2011-2012

## Project Description

The Grand Jury proposes to use AB 2766 funds toward the purchase and installation of a Polycom HDX 8000-720 video conference system in the Grand Jury room in Placerville. The system has been researched to interface with existing County equipment at various South Lake Tahoe locations. The new technology will significantly reduce vehicle miles traveled between Placerville and Tahoe.

The Grand Jury consists of 19 volunteer members appointed by the Superior Court. The current Grand Jury has six members from the Tahoe area. Membership varies from year to year.

California Penal Code requires the Grand Jury to investigate and report on the operations, accounts, and records of the officers, departments, or functions of local government in El Dorado County. Each complaint the Jury accepts for investigation must be considered thoroughly, seeking out facts, and analyzing the facts prior to writing a report for publication. This is a time consuming process and usually takes many months to complete. Depending on the investigation, the process usually involves months of meetings, subcommittee meetings, and numerous witness interviews.

The broad scope of work, constant meetings and need to interview witnesses creates a large travel demand. For example, the current Grand Jury has six members from the Tahoe area that must often attend to Grand Jury business in the Placerville area. In the first half of the current fiscal year, these six members drove an average of 3,800 miles each. At year end, these members alone will have generated over 45,000 vehicle miles traveled on local roadways. In addition, a near constant flow of witnesses including members of the public and local government employees and officials also generate vehicle miles traveled.

The Grand Jury estimates that a high quality audio-visual communications system will at a minimum, reduce 10 roundtrips per week from Tahoe to Placerville. This equates to a reduction of approximately 63,000 vehicle miles traveled per year. The Polycom system is a durable, expandable system. Over an estimated 20 year life of the system it will result in the reduction 1,260,000 vehicle miles. This translates into a significant reduction in motor vehicle emissions.

The system also brings ancillary benefits. In addition to emission reductions, the system results in less traffic on local roadways, primarily Highway 50. Members of the Grand Jury, the public and local government staff from the Tahoe area will be able to more effectively participate in the Grand Jury process.

## Project Organization

The Grand Jury is working with Tom Straling from County Information Technologies and Mike Applegarth from the Chief Administrative Office to implement this project. Information Technologies will work through established procurement processes to ensure the project is completed within the proposed budget and timeframe.

Information Technologies staff is very familiar with technical and training needs associated with video conferencing equipment and has arranged for the installation of similar systems in other areas of county operations. Unfortunately, given the confidential nature of Grand Jury proceedings, other county facilities and equipment are not a viable option for the Grand Jury.

Polycom has been the leading provider of voice, video, Web, and data communications solutions to government agencies since 1990, and has served as a consultant/vendor on prior Information Technologies projects. Additional information about Polycom is available at: [www.polycom.com](http://www.polycom.com).

## Emission Benefits/Cost-Effectiveness

### TELECOMMUNICATIONS

Subcategory: (6e) Telecommunication

**Air District Name:** El Dorado County APCD

**Local Government Name:** Not Applicable

**Project Name:** Grand Jury Video Conference System

**Description:** Installation of video conferene equipment for communication between Placerville and South Lake  
**(Issues/Comments)** Tahoe reduced VMT's for members and witnesses of the Grand Jury.

**Implementing Agency:**

**Private Agency:** No

**FUNDING:**

<b>MVFees Funding:</b>	\$26,093	<b>MSRC Funding:</b>	\$0
<b>Moyer Funding:</b>	\$0	<b>CMAQ Funding:</b>	\$0
<b>Other CoFunding:</b>	\$1,000		

<b>Capital Recovery Factor:</b>	0.07	
<b>Project Analysis Period:</b>	20	years
<b>Weeks of operation per year (W):</b>	50	weeks
<b>Auto Trips Eliminated (T):</b>	10	trips (one-way) per week
<b>Length of auto trips eliminated (L):</b>	63.00	miles in one direction of trip
<b>New Auto Trips (New T):</b>	0.00	trips (one-way) per week
<b>New Auto Trip Length (New L):</b>	0.00	miles in one direction of trip
<b>Annual Auto Trips Reduced:</b>	500	annual trips
<b>Annual Auto VMT Reduced:</b>	31,500	annual miles

<b>EMISSION FACTORS:</b>	<b>Auto Trip End Factors</b>	<b>Auto VMT Factors</b>
ROG :	0.646 <i>grams</i>	0.180 <i>grams</i>
NOx :	0.267 <i>per trip</i>	0.189 <i>per mile</i>
PM10 :	0.017	0.022

<b>EMISSION REDUCTIONS:</b>	<b>Pounds per Year</b>	<b>Tons per Year</b>
ROG:	13	0.01
NOx:	13	0.01
PM10:	2	0.00
<b>Total:</b>	<u>28</u>	<u>0.01</u>

**COST-EFFECTIVENESS OF:**

<b>Motor Vehicle Fees and/or Moyer Funds:</b>	\$62.27	per pound	\$124,533	per ton
<b>CMAQ Funds:</b>	\$0.00	per pound	\$0	per ton
<b>All Funding Sources:</b>	\$64.65	per pound	\$129,306	per ton

## Work Statement

Following the award of funds and Notice to Proceed:

<b>Action</b>	<b>Estimated Timeframe</b>
1. County Information Technologies and Chief Administrative Office will work with Purchasing staff to prepare a Request for Proposal (RFP) for the necessary equipment.	1.5 weeks
2. The RFP will post for a minimum of two weeks.	3 weeks
3. Staff will issue the award of bid and vendor notification.	1 week
4. Bid protest period.	2 weeks
5. Following the protest period, the purchasing agent will sign a Purchase Order for the equipment.	1 week
<b>Total</b>	<b>8.5 weeks</b>



## Funding Request/Cost Breakdown

Description	QTY	Cost (List Price)	Value
HDX 8000-720	1	\$15,999.00	
3 Year Premier Warranty	1	\$3,300.00	
Eagle Eye Camera	1	\$4,299.00	
Extended cable kit for camera	2	\$918.00	
Camera Wall Mounts	2	\$310.00	
Onsite Installation	1	\$1,545.00	
HDX Cable Kit	1	\$499.00	
60" Plasma Display	2	\$2,800.00	
TV Mounts	2	\$600.00	
Miscellaneous (Labor, wiring etc.) In-kind			\$1,000
Total (list Polycom List Price)		\$30,270.00	
Less 20% (Conservatively) Vendor Discount		(\$6,054)	
		\$24,216	
Tax @ 7.75%		\$1,877	
<b>Total</b>		<b>\$26,093</b>	

## Matching Funds

The Grand Jury's FY 2011-12 amended budget is \$94,360. The Grand Jury is entirely dependent on the County General Fund. As such, the Grand Jury is not in a position to generate matching funds. However, County Information Technologies will contribute in-kind services valued at approximately \$1,000 toward miscellaneous labor associated with the video conference system installation, as well as training for Jury members on the use of the system. Finally, staff from Information Technologies, Purchasing, and the Chief Administrative Office have already contributed toward the research of this project, and will continue to assist the project as needed until complete. The value of these services is undetermined.



## El Dorado County Information Technologies

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*Kelly Webb*  
*Acting Director*

Address: 360 Fair Lane  
Placerville, CA 95667  
Voice (530) 621-5450  
Fax (530) 295-2512

March 21, 2012

Dave Johnston  
Air Quality Management District  
330 Fair Lane  
Placerville, CA 95667

Dear Dave:

The El Dorado County Information Technologies Department will provide in-kind installation services and ongoing technical support for the Grand Jury's proposed Polycom HDX 8000-720 video conference system.

As you know the Grand Jury is a volunteer organization. As such, Information Technologies staff has been assisting the Grand Jury with research for this proposed project. After reviewing the needs of the Grand Jury and researching the technical components required, Information Technologies staff is confident that the Polycom system represents the right solution for the Grand Jury.

Used properly, the video conference system has the potential to greatly reduce vehicle miles traveled for both members of the Grand Jury and potential Grand Jury witnesses. The system has been researched with durability and expansion capability in mind. Therefore, it will serve the Grand Jury and reduce vehicle miles traveled for Grand Jury business well into the future.

Information Technologies estimates the value of our in-kind system installation and technical support at approximately \$1,000.

Please contact me directly should you have any questions.

Respectfully,

Kelly Webb  
Acting Information Technologies Director

## Schedule of Deliveries/Self-Monitoring Program

Should the Grand Jury be awarded AB 2766 funds, the purchase and installation of the requisite audio-visual equipment should be complete well within the first quarter of the 2012-13 fiscal year. The Grand Jury will provide a written report to the Air Quality Management District regarding the expenditure of funds and use of equipment by October 1, 2012.