



0127

County of Santa Cruz

Sheriff-Coroner

701 Ocean Street, Suite 340, Santa Cruz, CA 95060
(831) 454-2440 FAX: (831) 454-2353

Mark Tracy
Sheriff-Coroner

May 2, 2002

Agenda: May 21, 2002

Board of Supervisors
County of Santa Cruz
701 Ocean Street, Room 500
Santa Cruz, California 95060

RE: Motor Vehicle Emission Reduction Grant Application

Dear Members of the Board:

The Monterey Bay Unified **Air** Pollution Control District (MBUAPCD) administers the **AB** 2766 Motor Vehicle Emission Reduction Grant Program. The program provides funds for projects which reduce air pollution from motor vehicles and related planning, monitoring, enforcement and technical studies to implement the California Clean **Air** Act. The amount available will be determined by the District Board, but will exceed one million dollars. The District is seeking project applications which would reduce motor vehicle emissions or would build, operate or demonstrate emission-reducing infrastructure. Projects are scored by cost effectiveness, status as an adopted Transportation Control Measure, total project cost relative to the request, and reduction of vehicle miles traveled. This letter is to provide your Board with background information; and to request adoption of a resolution approving the submission of an application from the Sheriffs Office to the Monterey Bay Unified Air Pollution Control District for the Motor Vehicle Emission Reduction Grant Program to purchase a new cleaner-burning Compressed Natural Gas (CNG) van.

The Sheriffs Office is applying to the Monterey Bay Unified Air Pollution Control District for a Motor Vehicle Emission Reduction Grant in the amount of \$21,276 to replace one of our 1992 gasoline-powered, prisoner transportation vans, with a new cleaner-burning CNG van. This van will be used primarily to move prisoners from the Main Jail in Santa Cruz to the single courtroom in Watsonville.

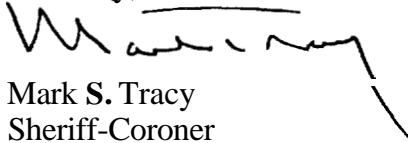
Page 2/Motor Vehicle Emission Reduction Grant Application

Currently, a deputy, assigned to transit security duty, transports approximately eight unsentenced prisoners from the Main Jail to the Watsonville Courthouse via the prisoner transportation van each day court is in session. The mileage in each direction is 17.5 miles. Two round trips are driven daily, for a total of 70 miles. This process is repeated for 248 court days a year, which adds up to 17,360 miles. The Sheriff's Office anticipates that prisoner transportation demands will increase after the completion of the new Watsonville Courthouse.

This application will make a significant difference in the air quality of our community. It is the recommendation of this office that your Board approve this application.

It is therefore RECOMMENDED that your Board adopt the resolution approving the submission of an application to the Monterey Bay Unified Air Pollution Control District for the Motor Vehicle Emission Reduction Grant Program.

Sincerely,



Mark S. Tracy
Sheriff-Coroner

RECOMMENDED:



Susan A. Mauriello
County Administrative Officer

CC: Sheriff-Coroner
Auditor-Controller

BEFORE THE BOARD OF SUPERVISORS
OF THE COUNTY OF SANTA CRUZ, STATE OF CALIFORNIA

RESOLUTION NO. _____

On the motion of Supervisor:
duly seconded by Supervisor:
the following resolution is adopted:

RESOLUTION AUTHORIZING THE SHERIFF-CORONER
TO MAKE A GRANT APPLICATION TO THE MONTEREY BAY UNIFIED
AIR POLLUTION CONTROL DISTRICT FOR FISCAL YEAR 2002/03
VEHICLE REGISTRATION SURCHARGE FEE GRANT FUNDS
AS AUTHORIZED BY **AB 2766** FOR MOBILE SOURCE EMISSION
REDUCTION PROJECTS

WHEREAS, the Monterey Bay Unified Air Pollution Control District is the administrating agency of the AB 2766 Grant Program for mobile source emission reduction projects; and

WHEREAS, Santa Cruz County is proposing to purchase a new cleaner-burning CNG van to move prisoners from the Main Jail in Santa Cruz to the courtroom in Watsonville;

NOW, THEREFORE, BE IT RESOLVED that the Board of Supervisors of the County of Santa Cruz:

1. Approve the filing of a grant application to the Monterey Bay Unified Air Pollution Control District to seek **AB 2766** grant funding to purchase a new cleaner-burning CNG van to move prisoners from the Main Jail in Santa Cruz to the courtroom in Watsonville.
2. Appoint Mark Tracy, Sheriff-Coroner, administrating agency applicant to execute and submit all documents, including, but not limited to: applications, agreements, amendments, payment requests, etc., which **may** be necessary to purchase the CNG van.

PASSED AND ADOPTED by the Board of Supervisors of the County of Santa Cruz, State of California, this ____ day of May 2002, by the following vote:

AYES: SUPERVISORS
NOES: SUPERVISORS
ABSTAIN: SUPERVISORS
ABSENT: SUPERVISORS

0130

Chairperson of said Board

ATTEST: _____
Clerk of the Board

Approved as to form:

Kim E. Baskett
County Counsel 5.9.02

Distribution:

County Counsel
Sheriff-Coroner

Currently, a deputy, assigned to transit security duty, transports approximately eight unsentenced prisoners from the Main Jail to the Watsonville Courthouse via the prisoner transportation van each day court is in session. The mileage in each direction is 17.5 miles. Two round trips are driven daily, for a total of 70 miles. This process is repeated for **248** court days a year, which adds up to 17,360 miles. It is expected with the completion of the new Watsonville Courthouse that even more round **trips** will be required.

This application will make a significant difference in the air quality of our community. It is the recommendation of this office that your Board approve this application.

It is therefore **RECOMMENDED** that your Board adopt the resolution approving the submission of an application to the Monterey Bay Unified Air Pollution Control District for the Motor Vehicle Emission Reduction Grant Program.

Sincerely,

Mark **S.** Tracy
Sheriff-Coroner

RECOMMENDED:

Susan A. Mauriello
County Administrative Officer

CC: Sheriff-Coroner
Auditor-Controller

FY 2002-2003 AB 2766 Motor Vehicle Emission Reduction Grant Program

ATTACHMENT 1 - PROJECT BUDGET & SCHEDULE

0132

See general instructions at end of this attachment

- A. Public agency applicant:** Santa Cruz County Sheriff's Office
- B. Implementing entity, if different:** _____
- C. Budget:** Total Project Cost: \$31,097.88
This AB2766 Grant Request: \$ 21,275.88
- D. Project Title:** Watsonville Courthouse Prisoner Transportation Van
- E. Project Schedule:** Start Date: 09/02 End Date: 05/03 .
- F. Activities:** *List each distinct activity needed to implement project:*

Activity #1: Purchase CNG Van from State Bid Pool

Activity #2: Install Prisoner Security and Separation Cages

Activity #3: Install Police Radio. Emergency Equipment

Activity #4: Place Department Insigna, Signage, Striping on Van

Table F. AB2766 Grant Budget and Schedule

Check type of Period:

<input type="checkbox"/>	Quarter
<input type="checkbox"/>	Semester
<input checked="" type="checkbox"/>	Year

Activity #	1st Period Ends <u>6/30/03</u>	2nd Period Ends _____	3rd Period Ends _____	4th Period Ends _____	Project Total
1. Purchase	\$ 21,275.88	\$ _____	\$ _____	\$ _____	\$21,275.88
2.	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
3.	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
4.	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
TOTAL	\$21,275.88	\$ _____	\$ _____	\$ _____	\$21,275.88

NOTE: Show ONLY AB2766 grantfunds in Table F. Total must equal AB2766 request in §C.

Table G. Total Project Cost Budget:

	<u>This</u> <u>AB2766</u> <u>Grant Request</u>	<u>Secured Funds</u>	<u>Other</u> <u>Unsecured</u> <u>Funds</u>	<u>Total Project</u> <u>Funding, all Sources</u>
Equipment	\$ 21,275.88	\$ 4,350.00	\$ _____	\$25,625.88
Other capital	\$ _____	\$ _____	\$ _____	\$ _____
Personnel	\$ _____	\$ _____	\$ _____	\$ _____
Other operating	\$ _____	\$ 5,472.00	\$ _____	\$ 5,472.00
Grant Administration	<u>XXXXXXXX</u>	\$ _____	\$ _____	\$ _____
Total Project	\$21,275.88	\$ 9,822.00	\$ _____	\$31,097.88

NOTES: *Show funding for all project costs in Table G .*
Total of all funding sources must equal Total Project Cost amount: in §C.

FY 2002-2003 AB 2766 Motor Vehicle Emission Reduction Grant Program

H. Status of funding sources other than this AB2766 grant request

See Status Codes below. 0133

Check one box for each source :

Source	Amount	S	U	P
1. Striping & Signage	\$ 350.00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Interior Separation & Security Cages	\$4,000.00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Radio and Emergency Equipment Instal	\$1,200.00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Fuel and Maintenance Costs	\$1,644.00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Replacement & Depreciation Charges	\$2,628.00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total	\$9,822.00			

STATUS CODES :

S = Secured funds: Will be secured by January 31, 2003

U = Unsecured funds;; Availability for this project not yet certain

P = Previous AB2766 funds secured and available for this project.

I. Monitoring Program: See AB2766 Travel Activity Data Requirements.

a. Travel or other activity measurements to be collected: Describe each:

Measure 1 Mileage Collection

Measure 2 _____

Measure 3 _____

Measure 4 _____

b. Type of Data Collection (Counts, surveys, logs, etc.): Describe methods

Logs with Odometer Readings

c. Frequency and source of collection for each measure: Describe

Weekly checks of Odometer Reading

J. Contacts:

Program or Project Manager

Name: Lieutenant Don Hutchison

Address: 259 Water Street

Santa Cruz, CA. 95060

Telephone: (831) 454-2835

Fax: (831) 454-2864

E-Mail: shf489@co.santa-cruz.ca.us

Requests for Reimbursement

Name: Sue Hibbs

Address: 259 Water Street

Santa Cruz, CA 95060

Telephone: (831) 454-2841

Fax: (831) 454-2864

E-Mail: shf450@co.santa-cruz.ca.us

K. Emissions and Cost Effectiveness Calculations:

1. **Useful Life of Project :** _____ **Years.** *NOTE: Applicable default may be applied by District staff.*

Leave the rest of this Section blank. Entries are calculated by District staff:

2. **Prior AB2766 Award:** \$ _____
 3. **This AB2766 Request:** \$ _____
 4. **Total Tons over Useful Life** _____ Total Tons, NO_x, ROG and PM₁₀,
 5. **Cost-effectiveness:** \$ _____ AB2766 [Prior + Request] / Total Tons

Instructions for Attachment I:

- E. Project Schedule:** Start date is when grant funded activities begin and end date is when they are expected to be fully completed. End date may not be later than two years after grant agreements are signed.
- F. Activities:** Briefly describe each project activities or phase of the proposed project.
- F. Table F.** First, define up to four periods of project implementation. Check whether time periods are quarters, semesters or years. If annual, end June 30th. The first period should include the project start date and the last period should include the end date. Next, enter the expected grant funded project costs for each activity by period. Project total must be the same as the requested AB2766 grant amount shown in §C.
- G. Total Project Cost Budget:** For the budget categories shown, distribute the requested AB2766 grant; other secured finding, and funding not yet secured that will be needed to implement the project. The first column total equals the grant request amount shown in §C and the project total column should be the sum of the other columns. Grant administration costs may not be reimbursed from the AB2766 grant.

Secured funds are those in an approved adopted budget or which the applicant attests will be secured and committed to the project in a budget by January 31, 2003. Leveraging points used in scoring applications count only secured funds.

Other Unsecured funds include funds needed to implement the project but which have not yet been approved and budgeted for the project. Such other funds must be secured by the grantee before the District will obligate the grant in an agreement. Applicants, in submitting the application, thereby commit to securing these funds by January 31, 2003 if the requested grant is awarded.

- H. Status of Other Funding Sources:** Indicate the source and amount of all funding except the current AB2766 grant request here. Check whether each funding source is secured (S), unsecured (U) or from a prior AB2766 grant (P), using the definitions above.

FY 2002-2003 AB 2766 Motor Vehicle Emission Reduction Grant Program

ATTACHMENT 1A - PROJECT NARRATIVE

0135

Project Title Watsonville Courthouse Prisoner Transportation Van
Grantee Agency Santa Cruz County Sheriff-Coroner's Office

Instructions for Attachment 1A:

Applicant submits a completed Attachment 1A on additional pages, each identified as Attachment 1A, but within the overall ten page limit for the application. The attachment describes, in narrative form, the project concept scope, budget and the projected activity which result in emission reductions. Include the project schedule and phasing as needed, as well as project maps, graphics, tables, photographs needed to supplement the narrative.

SEE ATTACHED NARRATIVE

This concludes Attachment 1A

Watsonville Courthouse Prisoner Transportation Van Santa Cruz County Sheriff-Coroner's Office

0136

The Santa Cruz County Sheriff-Coroner's Office is requesting replacement of one of our **1992** gasoline-powered, prisoner transportation vans, with a new cleaner-burning CNG vehicle. This van is used primarily to move prisoners from the Main Jail in Santa Cruz to the single courtroom courthouse in Watsonville.

The county of Santa Cruz currently has a conveniently located CNG filling station on site.

A deputy, assigned specifically to this transit, security duty, uses the Watsonville Courthouse prisoner transportation van. The officer begins his/her workday by picking up the van at the Watsonville Courthouse and driving it to the Main Jail where he/she picks up unsentenced prisoners and transports them to the courthouse in Watsonville. In the afternoon, upon completion of the court proceedings, the prisoners are returned to the Main Jail in Santa Cruz and the van is returned to the Watsonville Courthouse. Approximately **8** inmates are transported each day. The mileage each direction is **17.5** miles. Two round trips are driven daily, for a total of 70 miles. This process is repeated **248** court days a year, for a total of **17,360** miles. Additional regular unscheduled prisoner transportation trips are made in the van by the courtroom bailiff in the late afternoon or early evening. The Watsonville Superior Court Judge on a weekly basis remands defendants into the custody of the Sheriff or the Juvenile Probation Department. These prisoners are either transported to the Main Jail in Santa Cruz (17.5 miles each direction) or to the Juvenile Hall in Felton. (22 miles each direction)

In addition to our current Watsonville transportation needs, plans and construction agreements are currently underway to build a new, larger courthouse in downtown Watsonville. It is anticipated that the completion date is approximately four years away. This new courthouse will expand, accommodate and improve the availability of legal services to the residents of Watsonville and the surrounding community. Three additional courtrooms are planned, which will greatly increase the number of prisoners that will have their criminal cases heard in the city of Watsonville. We expect to hire additional deputies to staff the courtrooms and supervise larger, in-custody inmate populations waiting in court at the Main Jail in Santa Cruz. We foresee that a much higher number of prisoners will be transported from the Main Jail to the new, Watsonville courthouse. We therefore expect that more frequent use of the CNG van will be necessary.

The Santa Cruz County Fleet Services Department has a ten-year vehicle usage, service, maintenance and replacement contract with the Sheriff-Coroner's Office. The CNG van would be maintained under a similar agreement between our departments. This new vehicle is also expected to be operational for ten years. The fleet services manager has reported that a CNG van's **fuel** and maintenance costs are similar to a gasoline-powered van and therefore current budget costs would remain the same.

In order to transition to this new, CNG- powered van, we will wait 150 days to secure delivery from the manufacturer. Three additional installation steps must be performed prior to implementation. First, we will apply departmental identification insignia and striping on the exterior of the van. This usually takes about a week. Second, we will exchange the police radio, cellular telephone and other emergency services equipment from the old van to the new one. This process also takes about one week. Finally, we will take the van to Sacramento for the installation of metal prisoner separation. This process takes approximately two to three weeks.

We look forward to this project as a successful, emission reduction model in the Santa Cruz County Sheriff-Coroner's Office fleet operations.

**Watsonville Courthouse Prisoner Transportation Van
Santa Cruz County Sheriff- Coroner's Office**

Current Vehicle:

1992 GMC Van

Replacement Vehicle:

Dodge ~~Ram~~ Cargo Van 8700 Dedicated CNG (State Stock #2320-000-0005-1)

costs:

Grantor Costs:

CNG van purchase	\$19,561
Sales Tax @ 8%	\$ 1,564.88
Shipping and Handling Fee	\$ 150.00
Total	\$21,275.88

Grantee Costs

Striping & signage	\$350.00
Interior separation and security cages	\$4,000.00
Radio & emergency equipment install	\$1,200.00
Annual fuel & maintenance costs	\$ 1,644.00
Annual replacement charge	\$ 1,188.00
Annual depreciation cost	\$1,440.00
Total	\$9,822.00

Purchase and Implementation Schedule

September 2002	Purchase CNG Van from the State of California Bid Pool
February 2003	Take delivery of new van
March 2003	Interior prisoner separation cages are installed in Sacramento
April 2003	Department Striping and signage are completed / Police radio and Emergency equipment are installed
May 2003	Operation of CNG van is complete

ATTACHMENT 1B- PROGRAM CRITERIA CHECKLIST

0139

See included instructions in Italics.

Project Title Watsonville Courthouse Prisoner Transportation Van
Grantee Agency Santa Cruz County Sheriff-Coroner's Office

PROJECT TYPE:

ALL applicants must check one or more. If A is checked, do NOT check B, C or D.

- X **A. EMISSION- REDUCING PROJECT** - Quantifiable mobile source emission reductions will occur within five years as a result of this project.
- B. DEMONSTRATION PROJECT** - Testing or demonstration of facilities, equipment, methods and/or procedures that could lead to motor vehicle emission reductions.
- C. EDUCATION PROJECT** - Education, public information and policy or regulatory projects.
- D. INFRASTRUCTURE PROJECT** - Infrastructure facilities, equipment and/or services which will enable emission reductions.

REQUIRED CRITERIA:

To be eligible, all applicants must check all these required criteria:

1. X Project will result in actions needed to implement the California Clean Air Act (as amended in 1992) and/or achieve emission reductions to meet requirements of Health & Safety Code §44220 to 44247.
2. X Projects will be implemented within the North Central Coast Air Basin.
3. X Application is in complete, in a format acceptable to the District and has been submitted during the application period.
4. X Application requests no more than \$200,000 in AB2766 funds in this grant year.
5. X Applicant is a public agency who will sign a Grant Acceptance Agreement to implement and maintain the proposed project for its useful life. (Project may be implemented by private individual, corporation, or entity under contractual agreement with applicant, with that public agency's formal resolution of support).
6. X The project proposal indicates that the project will be operational and/or providing emission reductions within five years of the grant award date of the first AB2766 grant awarded to this project.

- ☒ This project is consistent with a comprehensive, targeted program to 0140
either reduce overall mobile source emissions or reduce the use of the
single occupant vehicle as included in, or consistent with adopted state,
regional or local plans. The project proposed must be consistent with the
policy direction of the relevant plan, listed below, even if that plan does
not specifically list the proposed project:

Examples of relevant plans are in the Adopted Plan ~~List~~ below.

8. ☒ Applicant has provided information and assumptions sufficient for
District staff to assess project mobile source emission reductions for
ROG, NO, ,total PM,, and exhaust PM,,, as well as VMT reductions
over the useful life of the project.
9. Project proposal does not include any AB2766 grant funds for preparation
of the application, preliminary work related to obtaining a grant, or for
project administration if awarded a grant.
10. ☒ (Check either or both blanks in the following): Application clearly
identifies ALL funds needed to implement the project, showing funds as
“secured” if now budgeted for the project. ☒ or showing secured
funds which include funds to be budgeted and committed to the project
by January 3.1, 2003 ☒ , if the requested grant is awarded .
11. ☐ If proposal ‘includes retrofit, repower or purchase of new engine in
vehicle, the funded vehicle or engine(s) will meet or exceed current
California Air Resource Board emissions standards.

MULTI-YEAR CRITERIA:

*For applicants previously awarded AB2766 grants only. Check all that apply.
All criteria must be met for such projects.*

1. ☐ The proposed new grant funded activity is consistent with applicable
prior Grant Acceptance Agreement(s).
2. ☐ This grant would fund an activity or phase that is separate and distinct
from all work previously funded with AB2766 grant funds.
3. ☐ Any emission reductions claimed for prior grant awards for this project
will occur within five years of the date of first grant award for this
project.

FY 2002-2003 AB 2766 Motor Vehicle Emission Reduction Grant Program

4. ___ Any emissions or VMT reductions claimed for prior grant awards for this project are not also claimed in this request. 0141
5. ___ Prior AB2766 grant awards are not included in the amount of other secured funds leveraged in project scoring.

Instructions for Attachment 1B:

*Applicant prepares Attachment 1B. All applicants must meet all **REQUIRED** criteria to be considered by the District Board. **Only** applicants previously awarded AB2766 grants need to meet MULTI-YEAR criteria. Meeting applicable criteria does not guarantee a grant award, as AB2766 grants are awarded at the **sole** discretion of the District Board of Directors. For **emission-reducing projects**, awards will generally be based on cost-effectiveness and point scoring as described in the next section.*

This concludes Attachment 1B