

CONTRACT #AB2766/ML06066

**LOCAL GOVERNMENT
MATCH PROGRAM
FY '05/'06 PHASE II**

**CITY OF ONTARIO
1425 S. BON VIEW AVENUE
ONTARIO, CA 91761**

JANUARY 2008

**“PREPARED FOR THE MOBILE SOURCE AIR
POLLUTION REVIEW COMMITTEE (MSRC) UNDER
THE AB 2766 DISCRETIONARY FUND WORK
PROGRAM”**

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ACKNOWLEDGEMENTS

The City of Ontario would like to acknowledge the cooperation of the elected officials, administrative staff and employees for their participation and patience during this program period.

“This report was submitted in fulfillment of AB2766/ML06066 and the Local Government Match Program FY ‘05/’06 Phase II by the City of Ontario under the partial sponsorship of the Mobile Source Air Pollution Reduction Review Committee (MSRC). Work was completed as of November 30, 2007.

DISCLAIMER

“The statement and conclusions in this report are those of the contractor and not necessarily those of the Mobile Source Air Pollution Review Committee (MSRC) or the South Coast Air Quality Management District (SCAQMD). The mention of commercial products, their sources or their uses in connection with material reported is not to be construed as either an actual or implied endorsement of such products.

PROJECT DESCRIPTION AND WORK PERFORMED

In FY2006-2007, the City of Ontario planned and replaced two (2) On Road Heavy Duty Vehicles, diesel powered with clean fuel vehicles. These vehicles range from 39,001 GVW to 56,000 GVW, commercial sewer vactor trucks. The vehicles replaced were two (2) 1991 International 2554 trucks, which have since been retired and sold at auction. Additionally, the City added three (3) Compressed Natural Gas (CNG) fueled heavy duty refuse vehicles; one (1) front loader and two (2) roll off trucks. The new vehicles are assigned to our Parks & Maintenance, Utilities and Solid Waste Departments. Vehicle manufacturer is Volvo for the sewer vactors and Autocar for the refuse trucks; engines are Cummins 8.9 320hp.

These vehicles are used on a day to day basis with a minimum of 8 hours a day, 40 hours a week.

Vehicle Number	Description	Average Daily Mileage	Vehicle Application
8035	Sewer Vactor	22.8	Storm Drain Cleaning
8036	Sewer Vactor	22.8	Sewer Maintenance
9087	Roll Off	116.58	Industrial Pickup
9088	Roll Off	116.58	Industrial Pickup
9089	Frontloader	107.1	Commercial Pickup

The City of Ontario is very familiar with clean fuel vehicles; we currently operate 67 compressed natural gas powered vehicles of all sizes, ranging from light duty pick-ups to commercial refuse trucks. The City of Ontario has proposed purchasing seven (7) more CNG refuse trucks for FY2007/2008; 100% of all first line refuse trucks are currently alternative fuel. We also own and operate 6 propane and 12 electric vehicles.

PROBLEMS ENCOUNTERED

Throughout the last 12 months the only major problem the refuse trucks have experienced was the recall to Cummins Manufacturer for recalibration of the engine control. Other typical problems with all five vehicles (mainly the refuse trucks) include replacing fuel filters or ignition components.

EMISSIONS BENEFITS

The City of Ontario is recognized as one of the leaders in the fight for clean air in Southern California, it continues its efforts to develop the most innovative and effective alternative fuel transportation program. The City's goal is to replace fleet vehicles with clean fuel vehicles.

The City of Ontario remains committed to do its part to guarantee a safe and clean environment for the community.

The certified Nox emission level for these vehicles is 1.2 (g/bhp-hr).

PHOTOGRAPHS AND OUTREACH

Please see attached photographs of the five (5) vehicles participating in this contract. Also, attached are Public Outreach newsletters (Ontario Business Journal, see page 11) that were distributed to all business chamber members as well as available on-line.

SUMMARY AND CONCLUSIONS

The City of Ontario continues to be a willing participant in various clean air programs. By moving a large percentage of our fleet to dedicated CNG vehicles, the City continues to be concerned regarding the support from vehicle and engine manufacturers in the areas of technical training, service, and parts availability.

There should be continuing encouragement for engine and truck manufacturers to work closely with fleet users regarding CNG technologies necessary to diagnose and repair vehicles. Continue to develop better efficient engines, better fuel tanks which will allow us to increase fuel capacity and vehicle range. Improve parts knowledge and availability of CNG engines and systems. Increase training for mechanics and technicians within the dealership and fleets.

The vehicles participating in this contract include replacements for two (2) existing units that were scheduled for retirement in accordance with the equipment replacement criteria. These vehicles were disposed of by the normal City of Ontario property transaction procedures, ultimately being sold at auction.