

Final Report

Contract Number MS10019

Funding for 11 Heavy-Duty Vehicles



www.edcodisposal.com

“We’ll Take Care of It”

September 27, 2012

**Prepared for the Mobile Source Air Pollution Review Committee (MSRC)
under the AB 2766 Discretionary Fund Work Program**

Acknowledgements

This project was completed with the assistance of of Clean Fleets, Steve South, President/Chief Executive Officer of EDCO, Efrain Ramirez, Vice President/General Manager of EDCO and Alan Walsh, Vice President/Chief Financial Officer of EDCO. This report was submitted in fulfillment of Contract Number MS10019 and Funding for 11 Heavy-Duty Vehicles by EDCO under the partial sponsorship of the Mobile Source Air Pollution Reduction Review Committee (MSRC). Work was completed as of September 27, 2012.

Disclaimer

The statement and conclusions in this report are those of the contractor and not necessarily those of the Mobile Source Air Pollution Reduction 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 & Work Performed

One purchase order was issued for the acquisition of the 11 CNG vehicles included in this in contract to EW Truck & Equipment at 6336 Federal Blvd., San Diego, CA 92114. The manufacturer of the new vehicles was Autocar, Expediter model. The body manufacturers were C.W.S. Insustries, Inc. at 3346 Leonis Blvd., Vernon, CA 90058 and Refuse Power Systems (Bridgeport) at P.O. 1873, Semi Valley, CA 93062 and installed by Agility at 10007 Elm Ave., Fontana, CA92335.

The new vehicles replaced old diesel trucks which were relocated outside of the South Coast Air Quality Management District (SCAQMD) on a permanent basis.

Problems Encountered

No problems were encountered by EDCO.

Emissions Benefits

Data on the emission benefits from replacing diesel-powered trucks with CNG trucks is estimated from previous data obtained from SCAQMD staff based on the types of engines used by the CNG vehicles and their hours of operation. The 11 new CNG front-loading and automated refuse trucks with Cummins ISL G engines and average use of 1,189 hours/year will each generate 0.18 tons/year less oxides of nitrogen (NOx). Cumulatively, the 11 CNG trucks will produce 1.98 less tons of NOx per year.

Photographs & Outreach

EDCO's public education outreach to promote our efforts to provide a clean, healthy environment through Clean Transportation Funding from the MSRC included a press release sent to Los Angeles and Orange County media outlets. The press release, attached, titled "EDCO's Fleet has Gone Green," highlighted the replacement of old diesel trucks with Compressed Natural Gas vehicles along with the environmental impact they will have.

In the Winter 2012 issue of Buena Park Today, attached, EDCO featured a similar article, "EDCO's Fleet is Going Green!" along with a truck photo displaying the MSRC decal.

Also, attached are two photos of EDCO trucks displaying the MSRC decal.





FOR IMMEDIATE RELEASE
Date: February 20, 2012

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EDCO's Fleet has Gone Green

EDCO now operates 40 Compressed Natural Gas (CNG) vehicles within their fleet which replaced old diesel trucks and has made a commitment to significantly increase this investment. In order to support this growing commitment, the Mobile Source Air Pollution Reduction Review Committee (MSRC) awarded grants to EDCO that assisted in purchasing eleven of the 40 CNG collection trucks.

CNG vehicles are the path to a cleaner tomorrow. Natural gas is the cleanest-burning alternative and produces significantly less emissions. Compared to conventional fuels, these vehicles are better suited for our environment, rely on domestically produced fuel and reduce our dependence on foreign oil.

EDCO is family-owned and locally operated and provides waste and recycling services throughout Los Angeles and Orange County. For more information regarding EDCO visit our website at www.edcodisposal.com.

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"We'll Take Care of It"

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ENVIRONMENTAL NEWS

EDCO's Fleet is Going Green!

EDCO, our local provider of waste and recycling services, currently operates 40 Compressed Natural Gas (CNG) vehicles in efforts to help keep our environment clean. Eleven of the vehicles were purchased with recently received grants from the Mobile Source Air Pollution Reduction Review Committee (MSRC). The grants will also be used to support EDCO's long-term commitment to increasing its investment in natural gas vehicles.

CNG vehicles are the path to a cleaner tomorrow. Natural gas is the cleanest-burning alternative and produces significantly less emissions. Compared to conventional fuels, these vehicles are better suited for our environment, rely on domestically produced fuel and reduce our dependence on foreign oil.

Check out our New and Improved Kids Page Online!

EDCO is pleased to present our newly-enhanced kids page. Have your kids explore the many new features designed to give them a fun environment to learn about recycling. Test your skills with our interactive mazes or recyclable item search, word search, word scramble, and coloring activities. Log onto www.edcodisposal.com and click on EDCO for kids.

Need a bin to put it in?

The holidays are quickly approaching! Before you know it, your house will be filled with holiday cheer and visitors. EDCO can help make the job of disposing of unwanted holiday debris a bit easier with services including, bulky item pick-ups, temporary dumpsters and construction debris roll-off containers. Our customer service representatives can give expert advice in order to provide the appropriate service for your disposal needs. If you have just one large item or a garage full, call EDCO and "We'll Take Care of It!"

Reduce, Reuse, Recycle Gift Wrapping and Holiday Decorations

Wrapping materials such as ribbon and wrapping paper create one of the largest quantities of trash during the holiday season. In fact, each year 38,000 miles of ribbon alone is thrown out nationwide, enough to tie a bow around the Earth! Please consider the following ideas when wrapping packages:

- Decorate your home with holly, cedar, berries, fruits and nuts, all of which can be composted after use. Use popcorn and cranberries to decorate the tree.
- Create gift tags from last year's holiday cards or wrapping paper.
- If you use traditional gift-wrapping or send holiday cards, buy paper products made from recycled paper that can also be recycled.
- Design your own wrapping paper by decorating paper shopping bags with paints, crayons or other art materials, or by using old blueprint or the Sunday comics.
- Recycle non-metallic wrapping paper and boxes if you do not plan to use them again.
- Save wrapping paper and ribbons to reuse next year. Ribbons made from paper can be recycled. Ribbon made from plastic or fabric is not recyclable but can be reused on other packages.
- Cardboard boxes with clear plastic windows can be recycled.

Give Gifts that Reduce Waste

When selecting gifts, consider the following ideas to help reduce waste:

- Give gift certificates, memberships, or tickets to theme parks, sporting events, movies or concerts.
- Give two gifts in one by using baskets, fabric bags, scarves or pillowcases to wrap gifts.
- Make home-baked goodies and place them in a reusable tin box, a kitchen container or a decorated box.
- Give services such as making dinner or helping with home improvements.
- If you are giving electronics, give rechargeable batteries and a battery charger with it.
- And, always remember to look for items made from recycled content.

No Pick-Up and Delayed Holiday Schedule

(Thanksgiving Day, Thursday, November 24, 2011) Only customers who regularly set out waste on Thursday or Friday will experience a one-day delay in service.

(Christmas Day, Sunday, December 25, 2011) Observance of the Christmas Day holiday will delay service for one day during the week of December 26, 2011.

(New Years Day Sunday January 1, 2012) Observance of the New Year's Day holiday will delay service for one day during the week of January 2, 2012.



Summary and Conclusions

EDCO purchased 11 heavy-duty, natural gas, solid waste collection trucks with dedicated natural gas engines certified by the California Air Resources Board (CARB) at or below a NOx standard of 0.2grams per brake horsepower-hour (g/bhp). These trucks were placed into service and have performed satisfactorily and the success and benefits have been publicized publicly and within the company.