



*Incentives for the Purchase of "Near Zero Emission"
Medium-Duty and Medium-Heavy Duty Vehicles*

FINAL REPORT

**Final Assembly, Inc.
January 2016**

**Contract Number MS12031
Purchase of Medium-Duty Propane Vehicles**

**CONTRACT PERIOD
November 2, 2012 - November 1, 2017**

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

**Final Assembly, Inc.
MS12031**

Final Report

Acknowledgements

This report was submitted in fulfillment of Contract AB 2766/MS12031, *Purchase of "Near Zero Emission Medium-Duty and Medium-Heavy-Duty Vehicles"*, by the Final Assembly, Inc. under the partial sponsorship of the Mobile Source Air Pollution Reduction Review Committee (MSRC). The vehicles, two medium-duty propane trucks, were placed into service on January 7, 2013. Public Outreach activities were completed in January 2013.

Implementing Agency

Final Assembly Inc. was the implementing agency for this project.

Subcontractors

The propane vehicles were purchase from the following vendor

Tom's Truck Center
909 Grand Avenue
Santa Ana, CA 92702
Telephone: (714) 835 1978

Key Project Staff

Bill Morse and Catherine Arce were the key staff member responsible for the project.

Assuming responsibility for the project from her predecessor, Catherine Arce oversaw the operation and maintenance of the trucks and completion of required reporting.

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 materials reported herein is not to be construed as either an actual or implied endorsement of such products.

Project Description and Work Performed

The project covered under MS12031 was intended to further the goals Final Assembly, Inc. and the MSRC by implementing a clean air project.

Scope

The project proposed in Contract ML12031 involved the following elements:

- Purchase of medium-duty propane trucks
- Operation of vehicles on Final Assembly, Inc. delivery projects
- Preparation and submission of reports

Purpose

To meet fleet rule 1191 and 1196 to support the goals of clean air and a healthier environment.

Background

In April 2012, Final Assembly, Inc. applied for \$100,000 in funding from the MSRC's program *Incentives for the Purchase of "Near-Zero Emission" Medium-Duty and Medium-Heavy-Duty Vehicles*. The funding, up to \$25,000 per vehicle, was requested to cover the incremental cost between an alternative-fuel medium-duty vehicle and a comparably equipped diesel-fuel medium-duty vehicle.

In July 2012, the South Coast Air Quality Management District (AQMD) Governing Board approved Final Assembly's application and on November 2, 2012, contract MS12031 between Final Assembly, Inc. and the AQMD was executed. The end date of the contract is November 1, 2017.

Final Assembly completed the purchase of two 2012 Isuzu NPR trucks. The company also completed the development and implementation of the Public Outreach Plan which included placing MSRC decals on the trucks, distributing a press release and posting a story on the company's web site.

Problems Encountered

Due to a slowing of business, Final Assembly was unable to purchase the final two vehicles.

Emission Benefits

To be completed by MSRC

Public Outreach Plan Documentation and Photographs

In order to meet the requirements of Contract MS12031 and receive the reimbursement funding, Final Assembly, Inc. developed a Public Outreach Plan for the project. The plan was submitted to the MSRC. MSRC staff approved the plan on December 18, 2012.

The following table details the actions, start and completion dates of the Public Outreach Plan activities. Copies of the materials are included with this report.

	ACTIONS	START	COMPLETE
1.	Secure and attach MSRC decals to the Isuzu NPR trucks naming the MSRC as co-funder of the vehicles.	December 2012	January 2013
2.	Develop a press release covering the success of the vehicle operation for the past five years and coordinate distribution through The Better World Group.	December 2012	January 2013
3.	Post a news story with a photo of the trucks in use on the company website.	December 2012	January 2013

Photographs of the trucks are included with this report. Photographs detail the propane elements and the MSRC decal.

Summary and Conclusions

All work for this project has been complete as follows:

- Purchase of two Isuzu NPR trucks
- Training of staff on operation and maintenance of the propane vehicles
- Execution of outreach activities
- Completion of invoicing to the MSRC
- Preparation and submittal of Final Report

The purchase and operation of the propane trucks is an example of Final Assembly's commitment to air pollution emission reductions.

The role of the MSRC in funding clear air projects was highly noted. The project is one more step in providing a cleaner environment for the community.

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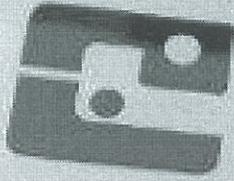


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Final Assembly Wins \$100,000 Grant from MSRC for Greening of Fleet



We are thrilled to announce that Final Assembly, Inc. has received a \$100,000 grant from the MSRC (Mobile Source Air Pollution Reduction Review Committee) toward the purchase of four liquefied petroleum gas (LPG) or propane medium heavy-duty trucks. The MSRC's Incentives for the Purchase of "Near-Zero Emission" Medium Duty and Medium Heavy Duty Vehicles program has given us the incredible opportunity to operate a greener fleet by funding the purchase of four alternative-fueled trucks.

An environmentally responsible company, Final Assembly, Inc. is continually working to create and implement projects that reduce air pollution and safeguard the welfare of our customers and neighbors in Orange County. The addition of four LPG trucks will help lower toxic emissions and improve overall air quality. LPG produces fewer carbon emissions, does not contaminate groundwater and also results in less corrosion and engine wear.

Over the next few years, Final Assembly, Inc. is committed to replacing its large fleet of mainly conventional-fueled vans and trucks with more energy-efficient, environmentally friendly vehicles. This ambitious environmental transportation plan will result in lower fuel costs, increased efficiency and improved air quality for the myriad of customers, residents and visitors in the southern California region. The company already owns and operates two propane vehicles: a van and a sixteen foot truck.



Fleet of Propane Powered Vehicles Arrives



Final Assembly announces the purchase of three propane powered Isuzu bobtail trucks and one propane powered Ford van. "Propane is an efficient, environmentally friendly fuel. For us, this was an easy decision," said Final Assembly Vice President Bill Morse.

Propane vehicles can produce fewer ozone-forming emissions than vehicles powered by reformulated gasoline. In addition, tests on light-duty, bi-fuel vehicles have demonstrated a 98% reduction in the emissions of toxics, including benzene, 1,3 butadiene, formaldehyde, and acetaldehyde, when the vehicles were running on propane rather than gasoline. Approximately 85% of all propane used in this country comes from domestic sources, so driving a propane vehicle can help reduce U.S. dependence on imported oil and strengthen national energy security.

For more information on Propane and other alternative fuels, please visit <http://www.eere.energy.gov/afdc/altfuel/propane.html>

714.891.1400



FINAL ASSEMBLY INC.

NEWS RELEASE

CONTACT: Bill Morse
714-379-7881

FOR IMMEDIATE RELEASE

Final Assembly, Inc. is Awarded \$100,000 from the MSRC to Buy Four LPG-Powered Trucks

GARDEN GROVE, CA. – [January 2, 2013] Final Assembly, Inc., a move-management and office furniture sales and refurbishing company, has been awarded a grant in the amount of \$100,000 from the Mobile Source Air Pollution Reduction Review Committee (MSRC) for the purchase of four liquefied petroleum gas (LPG) powered trucks. The grant award for four LPG medium heavy-duty trucks was made possible by the MSRC's Near-Zero Emission Medium Duty and Medium-Heavy-Duty Vehicle program, which offers incentives for the purchase of medium and heavy-duty vehicles that have zero or near zero tailpipe emissions. The acquisition of the four alternative-fueled trucks are part of a larger plan at Final Assembly, Inc. to replace conventional-fueled vehicles with a wide range of near-zero emission vans and trucks.

Established in 1989, Final Assembly, Inc. is a leader in commercial move-management and office furniture sales, repair and refurbishment. With strong roots planted in the communities of Orange County, Final Assembly, Inc. strives to create a safe and caring environment for its customers. An essential element of any move-management company is a large high-powered fleet of cars, vans and trucks. The company realizes that high levels of exhaust emissions result in health and environmental issues. In order to improve ambient air quality in the Southern California region, Final Assembly, Inc. is dedicated to operating an environmentally responsible business by replacing conventional-fueled trucks with more energy-efficient, lower-emission vehicles.

The company has already purchased two propane powered vehicles including one van and one sixteen foot truck. The addition of four LPG trucks will continue the momentum to propel the fleet towards a near-zero emission operation. LPG is an ideal clean burning fuel because it does not contaminate underground water sources, generates less carbon and results in less corrosion and engine wear than gasoline.

With the generous support of the MSRC, Final Assembly, Inc. is able to implement environmental transportation strategies that will cut fuel costs, improve air quality and benefit the welfare of its customers and residents in the surrounding community. For more information on the mission and projects of the MSRC, please go to www.CleanTransportationFunding.org.

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Media Type	Outlet	First Name	Last Name	Contact Topic(Selected)	Phone Number
Community Newspaper	The Garden Grove Journal	Jim	Tortolano	Publisher	+1 (714) 539-6018
Community Newspaper	Westminster Journal	Travis	Perkins	Editor	+1 (714) 220-0292 Ext. 220
Daily Newspaper	The Orange County Register	Pat	Brennan	Environment	+1 (714) 796-7865
Magazine	American Trucker	Richard	White	Editor	+1 (317) 352-2113
Magazine	Automotive Fleet	Grace	Suizo	Senior Editor	+1 (310) 533-2414
Magazine	Business Fleet Magazine	Chris	Brown	Executive Editor	+1 (310) 533-2499
Magazine	Caltrux	Jim	Beach	Editor	+1 (916) 782-4246
Magazine	First Class	Kip	Kusick	Publisher	+1 (262) 650-3690
Magazine	Fleet Maintenance & Technology	Marsh	Galloway	Trucking	+1 (913) 498-2162
Magazine	Fleet Solutions	Gary	Wien	Fleets	+1 (609) 986-1053

Magazine	Fleets & Fuels	Rich	Piellisch	Editor	+1 (415) 896-5988
Magazine	Green Fleet	Mike	Antich	Publisher	+1 (310) 533-2467
Magazine	Light & Medium Truck	Jim	Galligan	Trucking	+1 (703) 838-1785

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jgalliga@trucking.or g	+1 (703) 838- 6259	Arlington	Automotive; Trucking; Fleets	E-Mail	Editor

Outlet Profile

The Garden Grove Journal is a community newspaper serving Garden Grove, Stanton and Westminster, CA. The paper features local news, sports and community events.

Westminster Journal is published weekly for the residents of Westminster, CA. It covers local news, sports, entertainment, education and community events.

The Orange County Register is published daily for the residents of Orange County, CA and surrounding areas. The newspaper covers local news and community events. Advertising rates reflect Monday, Tuesday and Wednesday. Rates for Thursday, Friday and Saturday are higher.

Targets owner/operators and drivers of private and for-hire fleets and serves the trader-focused community interested in purchasing trucks, trailers, parts or services.

Established in 1961 and written for management and employees of the automotive and light/medium truck and van fleets. Focuses on improvements in operational, purchasing and management responsibilities.

Established in 1994 and published for commercial companies operating in the 10-50 size fleet segment. Editorial provides coverage of factory and dealer programs, funding opportunities, lifecycle costing, eligibility and selectors, truck buying, higher residual solutions, dealer interactions, service, warranties and maintenance, fuel management, driver safety, software systems for control, leasing vs. ownership, purchasing and recycling practices and luxury and near-luxury executive cars.

Published for exclusive use of California Trucking Association members. Subjects include regulation, safety, maintenance, security, operational problem-solving, social events, education and industry-related news.

Written for trucking professionals and covers the business of trucking. Features profiles of private and for-hire trucking operations ranging from owner-operators to large fleets. Covers product application and usage. Provides information for trucking professionals on how to keep their fleets up and running within the changing trucking industry as diesel fuel prices fluctuate and EPA emissions mandates evolve.

Provides fleet maintenance professionals including operations, information technology and logistics managers, as well as vehicle makers and suppliers with tips and information on vehicle improvements and recommended practices beneficial to vehicle operations around the globe.

Official magazine of the National Association of Fleet Administrators, Inc and designed to provide timely stories on the fleet industry through fundamental articles on fleet management and in-depth discussions on today's top issues.

Aimed at the companies that are working today to make AFVs a reality on American highways. Publication about alternative technology vehicles and the fuels that drive them, including natural gas, propane, alcohol fuel, hydrogen and electric drive vehicles.

Covers sustainable fleets. Features articles on alternative-fuel vehicles, types of alternative fuel and power, legislation, news and more. Provides information for business people charged with the day-to-day management of a company using light or medium duty vehicles. Editorial covers technology, fleet management, new equipment, safety, alternative fuels, maintenance, government regulations and marketplace developments. Also includes in-depth profiles of fleet operations, providing insight into how others solve problems.

Mobile Source Air Pollution Reduction Review Committee
MSRC's Clean Transportation Funding

*Incentives for the Purchase of "Near-Zero Emission"
Medium Duty and Medium Heavy Duty Vehicles*

PUBLIC OUTREACH PLAN

FINAL ASSEMBLY, INC.
Garden Grove, CA

AQMD Contract #MS12031

CONTRACT PERIOD
November 2, 2012– November 2, 2017

PUBLIC OUTREACH PLAN

Background

In April 2012, Final Assembly, Inc. applied for a total of \$100,000 in funding from the MSRC's (Mobile Source Air Pollution Reduction Review Committee) Clean Transportation Funding *Incentives for the Purchase of "Near-Zero Emission" Medium Duty and Medium Heavy Duty Vehicles* to purchase near-zero medium heavy-duty on-road vehicles. Estimated at \$25,000 per vehicle, a grant award of \$100,000 provides Final Assembly, Inc. with the necessary funds to off-set the cost of four liquefied petroleum gas (LPG) medium heavy-duty trucks. The funding request equaled the highest allowable amount for the solicitation.

In July, 2012 the South Coast Air Quality Management District Governing Board (AQMD) approved Final Assembly, Inc.'s application and on November 2, 2012, Final Assembly, Inc. entered into a contract with AQMD. The contract number for this project is MS12031.

Contract Requirements

In order to meet the requirements of the contract with the AQMD and receive the reimbursement funding, Final Assembly, Inc. must develop and implement a public outreach plan that promotes the purchase of the four near-zero emission LPG trucks. To achieve the purpose of the public outreach plan, the plan must inform and educate the customers of the company as well as residents of Garden Grove, California and the surrounding areas about the shared goals of the MSRC and Final Assembly, Inc. to improve air quality by reducing toxic emissions generated from mobile sources, which quickly pollute the environment. An effective public outreach plan will create awareness of the environmental issues involved and detail the multiple positive environmental outcomes of the funded project.

The following Public Outreach Plan developed specifically for contract between the AQMD and Final Assembly, Inc. is designed to create an awareness of the current air quality issues and explain what the MSRC and Final Assembly, Inc. are doing to curtail the spread of air pollution. For this targeted plan, it is important that Final Assembly, Inc. disseminate basic information on the harmful effects of emissions that result from the use of conventional-fueled vehicles. Once this information is presented the plan can move to the specific actions that Final Assembly, Inc. is undertaking to increase its fleet of lower emission vehicles and preserve air quality in the region. Finally, the plan actions must acknowledge the invaluable contributions of the MSRC, including time, money, staff and resources, which make this environmental transportation project possible.

Project Overview

Established in 1989, Final Assembly, Inc is a leader in the commercial move-management and office furniture sales and refurbishing industry. The success of the company is based on a unique one-stop concept that provides most of the services required by a business changing locations, reconfiguring office space or in need of office furniture or maintenance. In business for over twenty years, Final Assembly, Inc. has formed a strong relationship with the people of Orange County. In order to serve its customers needs, Final Assembly, Inc. maintains a large fleet of medium and heavy-duty vans and trucks. The welfare of its customers and the reduction of air pollution are of great importance to the company. In an effort to curtail exhaust emissions, Final Assembly, Inc. recently purchased one 16-foot propane powered truck and one van. Propane and other clean burning fuels, such as LPG, are environmentally friendly fuels that help the company to decrease their dependency on foreign oil and increase fleet efficiency. In the near future, Final Assembly, Inc. is dedicated to increasing the number of near-zero emission alternative-fueled vehicles in its fleet.

Plan Elements

By implementing a number of targeted actions, Final Assembly, Inc. will meet the outlined requirements of the MSRC contract and achieve the purpose of the Public Outreach Plan in a timely and effective manner.

The purpose of the Public Outreach Plan is to outline the current project that Final Assembly, Inc. is undertaking in order to curtail exhaust emissions and air pollution through the purchase of alternative fueled vehicles. Press materials will highlight the company's purchase of four LPG trucks, which has been made possible by a \$100,000 MSRC grant.

First, Final Assembly, Inc. will write a press release announcing the project, funding amount, details and intended outcomes. The press release is a strict requirement of the MSRC. The release will be sent to various local and regional media outlets and publications.

Next, decals, which will be provided by the MSRC, will be placed on all funded vehicles. The decals acknowledge the generous contribution of the MSRC and proudly announce Final Assembly, Inc.'s partnership with the organization. Adhering to the contract guidelines, MSRC decals must be displayed on all four funded vehicles.

Third, Final Assembly, Inc. will feature a news story discussing the grant award and project on its website (www.fnlasssembly.com) which will educate customers about the greening of the fleet and the company's commitment to environmental issues.

A link to the MSRC website (www.cleantransportationfunding.org) will be included in press materials, providing further information on the benefits of alternate fuels. This website displays news, events and interesting links to other pertinent websites. Readers can follow the programs of the MSRC and investigate cutting edge developments in the energy and transportation industries.

MSRC Contract MS12031
Final Assembly, Inc.

Actions and Schedule

	ACTIONS	START	COMPLETE
1.	Send press release to The Better World Group for distribution.	December 2012	December 2012
2.	Place MSRC decals on vehicles funded by the Clean Transportation Funding Program	December 2012	December 2012
3.	Feature story on company website	December 2012	December 2012

FOR IMMEDIATE RELEASE

CONTACT:

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LPG- POWERED TRUCKS

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Webstory for Final Assembly Website

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