



**AB 2766/MSRC Alternative Fuel Infrastructure Program Contract
CONTRACT NO. MS11009
Waste Management Collection and Recycling, Inc.**

Executive Summary

Waste Management Collection and Recycling, Inc. (Waste Management) has partnered with the Mobile Source Air Pollution Reduction Review Committee (MSRC) to expand their liquefied natural gas (LNG) fueling station located in Baldwin Park, California – a non-attainment area for ozone and particulate matter pollutants. As part of its agreement, Waste Management has developed a report to outline the progress achieved to date, and the results from the expansion of the fueling station. With the \$125,000 in grant support from the MSRC, Waste Management was able to install a LNG storage vessel, two (2) L/CNG pumps, system to inject odorant, two (2) L/CNG dispensers, and L/CNG storage spheres.

Tasks Completed

Waste Management has completed the tasks required as part of contract MS11009 with the MSRC. The following table outlines the complete project schedule and list of tasks:

Task Number	Task Description	Task Completion
1	LNG Storage Vessel	Complete (100%)
2	2 L/CNG Pumps	Complete (100%)
3	System to Inject Odorant	Complete (100%)
4	2 L/CNG Dispensers	Complete (100%)
5	L/CNG Storage Spheres	Complete (100%)

Results

Waste Management has completed the installation of an additional LNG storage vessel and a vaporizer to dispense compressed natural gas derived from liquefied natural gas. The successful expansion of this fueling station will provide the necessary infrastructure to fuel natural gas vehicles operated by Waste Management.

Issues or Problems Encountered

During the course of the project, WM did not encounter any significant issues or problems.

Budget

Waste Management expended \$1,171,189 expanding the fueling station. These expenses include Waste Management's co-funding (\$1,470,601) and MSRC grant (\$125,000). Please note that Waste Management's actual co-funding amount differs from the original co-funding amount stated in the

contract. Please note that Waste Management’s actual co-funding amount exceed the contractual obligation. Below is the contract cost breakdown and Waste Management’s final costs:

Contract Cost Breakdown

Description	Maximum AB 2766 Discretionary Funds payable under this contract	Other Co-Funding	Total Cost
Fueling station equipment and installation including shipping and tax	\$125,000	\$1,470,601	\$1,595,601

Waste Management Cost Breakdown

Invoice Date	Invoice No.	Company	Amount
5/26/2011	INV000048-B	NorthStar, Inc.	\$ 62,823.53
12/30/2011	INV0000342	NorthStar, Inc.	\$ 727,129.97
2/14/2012	INV0000379	NorthStar, Inc.	\$ 28,287.32
2/14/2012	INV0000380	NorthStar, Inc.	\$ 30,928.40
2/14/2012	INV0000381	NorthStar, Inc.	\$ 19,772.02
2/14/2012	INV0000382	NorthStar, Inc.	\$ 1,837.00
4/25/2012	NS10001019	NorthStar, Inc.	\$ 421,561.70
4/25/2012	NS10001016	NorthStar, Inc.	\$ 43,271.00
4/25/2012	NS10001017	NorthStar, Inc.	\$ 19,037.50
4/25/2012	NS10001018	NorthStar, Inc.	\$ 1,485.00
5/27/2011	INV0000053	NorthStar, Inc.	\$ 363,055.42
Total			\$ 1,719,188.86

Conclusion

Natural gas is clean, safe, and abundant, and is used as an alternative fuel to meet low-emission standards. The successful expansion of this fueling station will provide the additional necessary infrastructure needed in order to make alternative fuels like natural gas become commercially available and the preferable fueling choice. Additionally, this will help better serve Waste Management’s expanding fleet of more than 430 natural gas trucks currently being operated in Los Angeles County. Waste Management is committed to reducing emissions and implementing cleaner solutions, such as the construction of alternative fuel infrastructure and natural gas vehicle deployment throughout the South Coast Air Basin.