

**City of Claremont**  
**Final Report**  
**Contract # ML16011**  
**Heavy Duty CNG Sanitation Vehicle Purchase**  
**February 1, 2017**

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

## **Acknowledgements**

The City of Claremont would like to acknowledge the Mobile Source Air Pollution Review Committee (MSRC) for its generous grant, allowing the City to purchase three (3) CNG sanitation vehicles. Vehicles were provided by Los Angeles Truck Center LLC dba Los Angeles Freightliner.

## **Disclaimer**

The statement and conclusion 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 Mangement District (SCAQMD). The mention of commercial products, their sources or their uses in connection with material reported herein is not to be construed as either an actual or implied endorsement of such products.

## **Summary and Conclusions**

- 1) The scope of the project included the City of Claremont purchasing three heavy-duty sanitation vehicles, each with a ten-year life expectancy. The vehicles are equipped with dedicated comprsed natural gas (CNG) engines that are certified by the California Air Resources Board (CARB). The purpose of the project is to provide sanitation service to Claremont residents utilizing alternative fuel vehicles.
- 2) The City of Claremont developed detailed specifications for two (2) compressed natural gas (CNG) side-loader sanitation vehicles and one (1) CNG front-loader sanitation vehicle. The City Council approved purchase contracts with Los Angeles Freightliner on June 9, 2015 and November 24, 2015 and the final contracts was executed. Production began immediately following contract execution. Los Angeles Freightliner kept the City apprised of the vehicle status throughout the production period. The front-loader was delievered to the City in March 2016 and the two side-loaders were delivered in September 2016. The new vehicles began service to Claremont residents shortly thereafter.
- 3) The new CNG vehicles replaced existing vehicles with diesel engines, effectively reducing emissions.

4) The City of Claremont recommends that the new CNG sanitation vehicles continue to be utilized as part of providing daily refuse service as a means to reduce overall emissions.

- Hydrocarbon (HC): 21.8 pounds per year per vehicle
- Oxides of Nitrogen (NOx): 532.4 pounds per year per vehicle
- Particulate Matter (PM): 12.8 pounds per year per vehicle

5) Photos of the new CNG sanitation vehicles are included as Attachment A. Attachment B includes copies of the media/outreach performed by the City to advertise the project and partnership with MSRC.

**Attachment A**

CNG Sanitation Vehicle Photos











**Attachment B**

Media/Outreach Materials

## **City Manager's Weekly Update Newsletter**

*September 22, 2016*

### **New Sanitation Vehicles**

The City recently purchased new sanitation trucks. The new vehicles will replace existing trucks that have exceeded their useful life. The new trucks will be used for residential trash service, including service to alley customers, starting the first week of October. The new vehicles run on CNG fuel, with the CNG tanks mounted low on the truck body. Mounting the tanks lower improves maneuverability, reduces the risk of rollovers, and minimizes conflicts with City trees due to the lower profile. The new trucks also feature right-hand drive, providing drivers with better visibility and safer access to containers. In an effort to improve the fleet's appearance, new sanitation trucks are painted green instead of the traditional white. The Sanitation Division will continue to convert its fleet to this new standard as vehicles come due for replacement. The purchase price of the vehicles was partially offset by the Mobile Source Reduction Committee, which provides grant funding for alternative fuel heavy-duty vehicles. Please contact the Community Services Department with any questions at (909) 399-5431.