



CITY OF MANTECA

PUBLIC WORKS DEPARTMENT

Technical Questions

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PRESS RELEASE

At 10:00 a.m. on Tuesday August 27th, the City of Manteca will have a Ribbon Cutting Ceremony for the grand opening of the award winning **Waste to Fuel Program**.

The City of Manteca's Wastewater Quality Control Facility (WQCF) has increased digester capacity and installed new receiving facilities for food waste from garbage; Fats, Oils and Grease (FOG) from local waste haulers. This allows for the co-digestion of these wastes with sewage sludge, from which renewable CNG Fuel (R-CNG) will be produced.

To address legislation for food waste diversion from landfills (AB1826 etc.) and accommodate future WQCF needs, Manteca developed their Biosolids and Biogas Utilization Plan. This plan established the foundations for the new Waste-to-Fuel Program.

The Capital Improvements supporting the Waste to Fuel Program consist of three projects: phase I included a digester expansion, and biogas production and treatment with the latest energy efficient technologies at the WQCF; phase II included a new facility co-located at the WQCF to convert biogas to vehicle fuel quality R-CNG; and phase III will consist of installing food waste separating equipment at the Lovelace Transfer Station at a future date.

The R-CNG will fuel the City's growing Heavy Duty Fleet of CNG vehicles and will be open to the public. The system is designed to produce up to 500 Diesel Gallon Equivalents (DGE)/day (182,500 DGE/year), and is anticipated to initially generate in excess of 140,000 DGE/year. This could save the City approximately \$500k to \$1 million in fuel cost and reduce CO₂ impacts from emission by reducing City diesel consumption up to 500 gallons per day. The planned facilities were designed with consideration for future increases in production capacity, potentially doubling in the near future.

The City received an award for engineering achievement for 2018 from CWEA-NSJ, and 3rd place for engineering achievement for 2018 from California Water Environment Association (CWEA) . Also, the City is a 2019 recipient of the national Water Environment Federation (WEF) Project Excellence Award.

City of Manteca teamed with HERWIT Engineering for planning and design of all facilities, Inferrera Construction Management Group, Inc. for construction management, and Western Water Constructors, Inc. for construction. Additionally, the City received \$3.3 Million from the California Energy Commission (CEC) for the Biogas production facilities and \$1.9 Million from the San Joaquin Valley Unified Air Pollution Control District (SJVAPCD) for the CNG gas fueling and dispensing facilities.

(Technical documents with photographs are attached) For more information on the project, please visit: <https://www.ci.manteca.ca.us/PublicWorks/Pages/Waste-to-Fuel-Program.aspx>



Inferrera Construction Management

