



VVWRA, California USA

Conversion of a Wastewater Treatment Facility into a Resource Recovery Center



Omnivore™ Retrofit
Triples Existing
Digester Capacity

Facility Enables
Cost Effective
Co-Digestion

Designed, Built,
and Financed
by Anaergia



ABOUT VWRA FACILITY

The Victor Valley Wastewater Reclamation Agency's (VWRA) collaboration with Anaergia demonstrates how existing wastewater treatment facilities can be converted into resource recovery centers. The project tripled the digestion capacity of an existing digester by upgrading it to Anaergia's high-solids Omnivore™ digester making it flexible to accept additional organic feedstock and led to generation of 1.6 MW of renewable energy. Anaergia financed the facility and has a 20 year partnership with VWRA. This facility is a remarkable example of using existing wastewater infrastructure to handle additional feedstock and create an energy positive facility.

*Facility Improvements
Allow VWRA to
Satisfy 100% of its
Energy Demand Using
On-Site Bioenergy*



General Facts

Client: VWRA
Startup: 2016
Scope: Design, Build, Finance



Key Technologies

Omnivore™ High Solids Digestion
Power Generation



Inputs & Products

Municipal Wastewater Sludge
Fats, Oils & Grease
High Strength Waste
Increased Biogas Production: 90 scfm
Electricity: 1.6 MW
Heat: 3.24 MMBTU/h



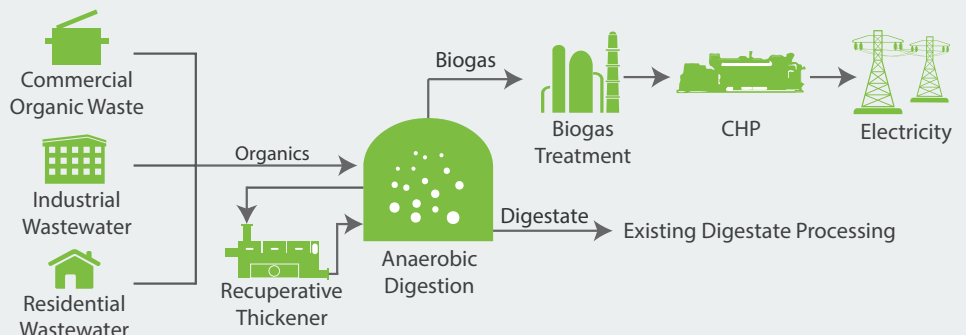
Impacts

GHG Reduction: 3,800 TPY CO₂
Equivalent to Emission of 820 Cars
Electricity Equivalent: 2,000 Homes



The Omnivore™ Process Triples the Capacity of the Existing Digester

Anaergia's Omnivore™ combined with power production offer a model for wastewater treatment plants to become energy positive.



Anaergia

Breaking Barriers to Sustainability

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