Anaergia
Fueling a Sustainable World™

Rialto Bioenergy Facility

Converting Organic Waste Streams Into Renewable Electricity, Renewable Natural Gas, and Fertilizer Products

Raw MSW at transfer station

Food waste separated from MSW

Incoming Biosolids from WWTPs

Renewable Biogas and Biosolids Production at Rialto Bioenergy Facility

Renewable Vehicle Fuel (Up to 1,000,000 MMBTU/yr)

Renewable Electricity (Up to 4.6 MW)

Class A Biochar & Digestate (Fertilizer Products)

Replicable Model for Waste Diversion and Renewable Energy Production

Cost Savings Over Project Life (20 Years)

Designed, Built, Owned, Operated, and Financed by Anaergia

CITY OF RIALTO, CALIFORNIA — INCORPORATED NOV. 17, 1911
REPUBLIC SERVICES
WASTE MANAGEMENT
ANAHEIM PUBLIC UTILITIES
CalRecycle
South Coast AQMD
SANITATION DISTRICTS OF LOS ANGELES COUNTY
SOUTHWEST GAS
GHD
Denali WATER SOLUTIONS
Lyles CONSTRUCTION GROUP
SOUTHERN CALIFORNIA EDISON — An EDISON INTERNATIONAL® Company
GRANT FARM
SoCalGas — A Sempra Energy utility

ABOUT
RIALTO BIOENERGY FACILITY

Rialto Bioenergy Facility (RBF) is a resource recovery facility that provides organics diversion and energy generation solution for the Southern California region mandated by California law SB 1383. RBF will produce up to 13 MW electrical equivalent of renewable energy from up to 1,080 tons per day of a combination of food waste extracted from municipal waste streams, municipal biosolids, and biogas captured from the adjacent waste water treatment plant. When fully operational, RBF will convert up to 700 tons per day (TPD) of food waste extruded from local municipal solid waste (MSW) into up to 4.6 MW of electrical power and up to 1,000,000 MMBTU per year of renewable transportation fuel from biogas. In addition to the anaerobic digestion process, the facility includes biosolids dryers to convert up to 300 TPD of Class B dewatered Biosolids from municipal wastewater treatment plants into urban fertilizer (Class A BioChar) and digestate fertilizer.

Rialto Bioenergy Facility Will be the Largest Organic Waste to Energy Facility in North America

General Facts

Project Location: Rialto, California
Expected Startup: 2020
Scope: Design, Build, Own, Operate, Finance

Key Technologies

Organic Waste Polishing
Anaerobic Digestion
Biogas Conditioning
Biogas Upgrading to Pipeline Injection
Power Generation
Biosolids Drying
Pyrolysis
Wastewater Treatment

Inputs

Organic waste (up to 700 tons per day)
Municipal Wastewater Biosolids (up to 300 tons per day)

Outputs

Renewable Natural Gas Production: Up to 1,000,000 MMBTU per year
Electricity: Up to 4.6MW
Urban Fertilizer (Class A Biochar): Up to 30 TPD
Digestate Fertilizer: Up to 85 TPD

Impacts

GHG Reduction: Up to 220,200 tons per year CO_2
Equivalent to Emission of 47,500 Cars

Resource Recovery from Organic Waste