



Rialto Bioenergy Facility

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



SANITATION DISTRICTS OF LOS ANGELES COUNTY



Denali
WATER SOLUTIONS



Lyles
CONSTRUCTION GROUP





ABOUT RIALTO BIOENERGY FACILITY

The Rialto Bioenergy Facility (RBF) provides organics diversion and energy generation solution for the Southern California region mandated by California law SB 1383. RBF is designed to process up to 1,000 tons per day (TPD) of a combination of food waste extracted from municipal waste streams, liquid waste, and municipal biosolids. RBF is capable of converting up to 700 TPD of food waste into up to 1,000,000 MMBTU per year of carbon negative renewable natural gas (RNG). Organic waste is pre-processed via Anaergia's Organics Polishing System (OPS™) to remove residual contaminants and create an organic slurry, which is fed directly to two 3.5MG food waste digesters. The biogas from the mono-digestion of food waste is conditioned to remove contaminants and upgraded to pipeline-quality RNG (99% methane) before being injected into the SoCal Gas grid. The facility also includes biosolids dryers and a pyrolysis system to convert up to 300 TPD of Class B dewatered biosolids from municipal wastewater treatment plants into fertilizer.

*Rialto Bioenergy
Facility is the
Largest Organic
Waste to Energy
Facility in North
America*



General Facts

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



Inputs

Organic Waste (up to 700 TPD)
Municipal Wastewater Biosolids (up to 300 TPD)



Outputs

Renewable Natural Gas Production: Up to 1,000,000 MMBTU per year
Electricity: Up to 4.6MW
High Carbon Fertilizer: Up to 30 TPD
Digestate Fertilizer: Up to 85 TPD



Impacts

GHG Reduction: Up to 220,200 tons per year CO₂
Equivalent to Emission of 47,500 Cars



Key Technologies

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

Resource Recovery from Organic Waste

