



Victor Valley Wastewater Reclamation Authority Victorville, California

Co-digestion and Biomethane Expansion Achieving Energy Independence by Optimizing Existing Digester Capacity

Phase Two of VVWRA's partnership with Anaergia will transform this energy-neutral plant into a net generator of energy, providing long-term resilience in both energy and water supply for the community.



ABOUT VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY

Via partnership with Anaergia, VVWRA is achieving its mission of protecting public health and the environment by providing effective and fiscally responsible resource management. With no new tankage, this WWTP will become a net power provider, bringing energy resilience and reliability to this high-desert community. The increased biogas production at VVWRA will provide significant environmental and economic benefits to the local community



General Facts

Client: VVWRA Project Location: Victorville, California Project Start: August, 2020 Anaergia Scope: Design, Build, Own, Operate, Finance



Key Technologies

Four high solids Anaergia Omnivore digester retrofits Biogas Conditioning, Upgrading, and Injection

导 Inputs

70k gpd Sludge (primary and waste activated sludge) 60k gpd External organic waste



Impacts

Increased digester capacity and redundancy New long term revenue from tip fees and gas sales New high tech green jobs Carbon negative footprint

Outputs

Renewable Natural Gas: 320,000 MMBTU/year injected into pipeline, 24/7

VVWRA Biomethane Process



