



# Sterling Natural Resource Center

Recovering Value from Waste, Building Community Resilience  
San Bernardino County, CA

Sterling Natural Resource Recovery Center (SNRC) is the result of a visionary mission for the East Valley Water District of San Bernardino County, CA. It provides the new model for stewardship of scarce public resources while enhancing quality of life and economic growth.



**EAST VALLEY**  
WATER DISTRICT

**Balfour Beatty**  **ARCADIS**

RUHNAU  
CLARKE  
ARCHITECTS



**Trussell**  
TECHNOLOGIES INC.





## ABOUT

# STERLING NATURAL RESOURCE CENTER

The SNRC is a state-of-the-art wastewater treatment facility recovering clean water, energy, and nutrients from wastewater. It also provides the community with opportunities for education and high-tech jobs. As an ideal location for hands-on training and career pathway experiences, the SNRC will establish the Water Education Learning Lab (WELL) Program, providing students with opportunities to explore rewarding careers in science, technology, and engineering.

*“SNRC will demonstrate a replicable model for municipal wastewater plants that meet organics recycling needs, achieve energy resiliency, and provide advanced job opportunities for the local community.”*

— Andrew Benedek, CEO of Anaergia



## General Facts

Client: East Valley Water District

Project Location: Highland, CA

Expected Startup: 2022

Anaergia Scope: Process design, process equipment specification, supply, installation, and commissioning



## Key Technologies

Advanced Anaerobic Digestion (Omnivore™)

Ammonia Recovery (AMR)

Membrane Filtration (FibrePlate™ by Fibracast)



## Impacts

Create a new, local source of water for the community and region

Replenish the Bunker Hill Basin with recycled water and storing hundreds of millions of gallons of water for dry years

Enhance ability of two local water agencies to meet water supply needs and environmental commitments

Generate renewable energy to power the plant and export power

Create high tech green jobs

Create a sustainable social impact infrastructure to serve as a repeatable model for organics recycling



## Inputs

Wastewater: 8 mgd

Imported Organic Waste: 130,000 gpd



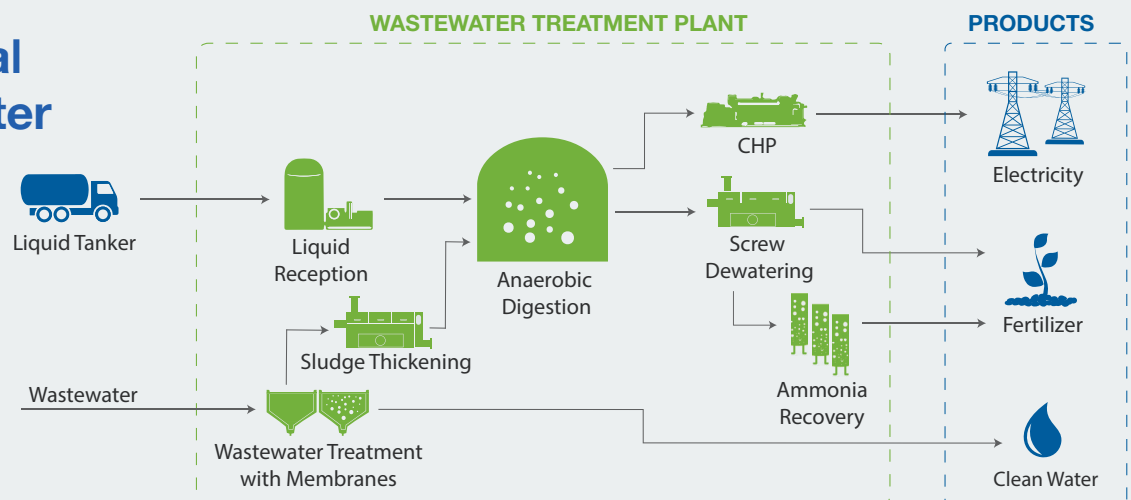
## Outputs

Clean Water

Renewable Electricity: Up to 3MW

High Quality Fertilizer

## Sterling Natural Resource Center Process



**Anaergia**

Breaking Barriers to Sustainability

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