



# South Bayside Waste Management Authority (SBWMA), San Carlos, CA

Diverting Organics From Solid Waste to Regional Wastewater Treatment Plants for Anaerobic Digestion and Renewable Fuel Generation

SBWMA leverages Anaergia's OREX™ Processing Line to recover organic waste from Source Separated Organics (SSO) and Municipal Solid Waste (MSW). SBWMA's clean, homogenous slurry enhances anaerobic digestion at four local municipal wastewater treatment plants, producing carbon-negative energy.



# ABOUT SBWMA

Also known as ReThinkWaste, SBWMA is expanding its recycling impact by adding organic waste extraction to its Shoreway Environmental Center. This Organics-to-Energy project, O2E, will divert up to 200 wet tons per day of organic waste from landfill to multiple wastewater treatment plants (WWTPs) where anaerobic digesters will convert the waste into carbon-negative energy. Four wastewater agencies have made commitments to receive the slurry. Anaergia's OREX™ Processing Line ensures a reliably clean and digestible slurry.

*“This type of innovation benefits our communities today with cleaner air and over the long term by reducing our county’s reliance on landfills.”*

— Carole Groom, SBWMA Supervisor



## General Facts

Client: SBWMA  
 Project Location: San Carlos, CA  
 Startup: 2020  
 Anaergia Scope: Turnkey OREX™ Solid Waste Processing Line



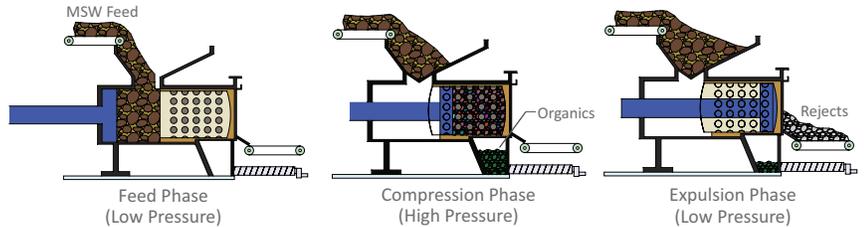
## Key Technologies

Bag Opener / Shredder  
 Organics Extrusion (OREX™) Press  
 Organics Polishing System (OPS)



## Inputs

Organic Waste (SSO and MSW)



## Impacts

- Maximize landfill diversion
- Minimize landfill methane leakage
- Substantially reduce carbon footprint of MSW
- Reduce disposal costs for waste management agencies
- Enable the production of carbon-negative natural gas and electricity
- Enable new revenue streams for wastewater agencies



## Outputs

Organic slurry for anaerobic digestion

## Organics to Energy Process

