



LOS ANGELES COUNTY
SANITATION DISTRICTS

A Century of Service

Districts' Energy Projects

May 8, 2025



OUR SERVICE AREA

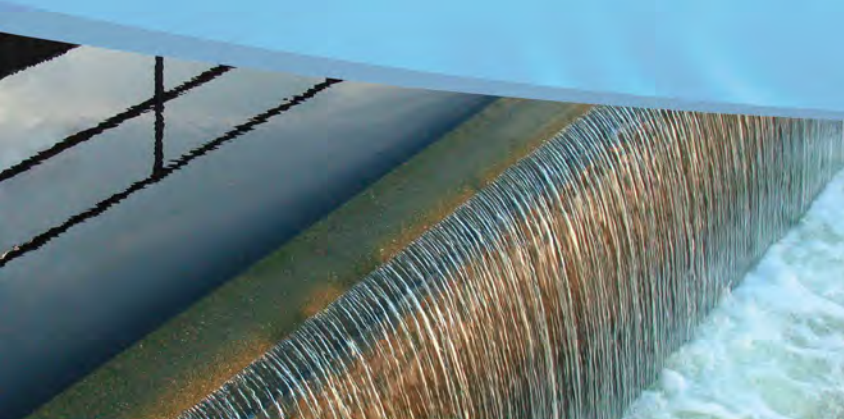


**LOS ANGELES COUNTY
SANITATION DISTRICTS**

Converting Waste Into Resources

OUR MISSION

To protect public health and the environment through innovative and cost-effective wastewater and solid waste management and, in doing so, convert waste into resources such as recycled water, energy, and recycled materials.



WATER RECYCLING



GREEN ENERGY



MATERIALS RECYCLING

Wastewater Management Facilities



Solid Waste Management Facilities



Total Energy Facility



20 MW

Districts produce,
use and sell power.



AK Warren WRF



20 MW

Solid Waste Facilities



22.5 MW

17
MW



Other Districts Facilities



5.5 MW

Districts Energy Facilities

- Two Landfill Gas-to-Energy Facilities
 - Calabasas
 - Puente Hills
- Two Compressed Natural Gas Fueling Stations
 - Puente Hills
 - Carson
- Total Energy Facility
 - A.K. Warren Facility



Resource Recovery at Warren Facility



L.A. Harbor

Wilmington

Water
Recycling



Organics
Recycling



Green
Energy



Solids
Recycling



A.K. Warren Water
Resource Facility

Sanitation Districts' largest treatment plant | Cleans 260 million gallons of wastewater a day | Serves 5 million residents and businesses

Biogas to Electricity & Steam



Combined Cycle
Power Plant:
20 MW



Warren Facility - Total Energy Facility



Food Waste Recycling Program



Warren Facility



2014-2017, Full-Scale Demonstration

2020, Slurry Receiving Facility 1 and Flares

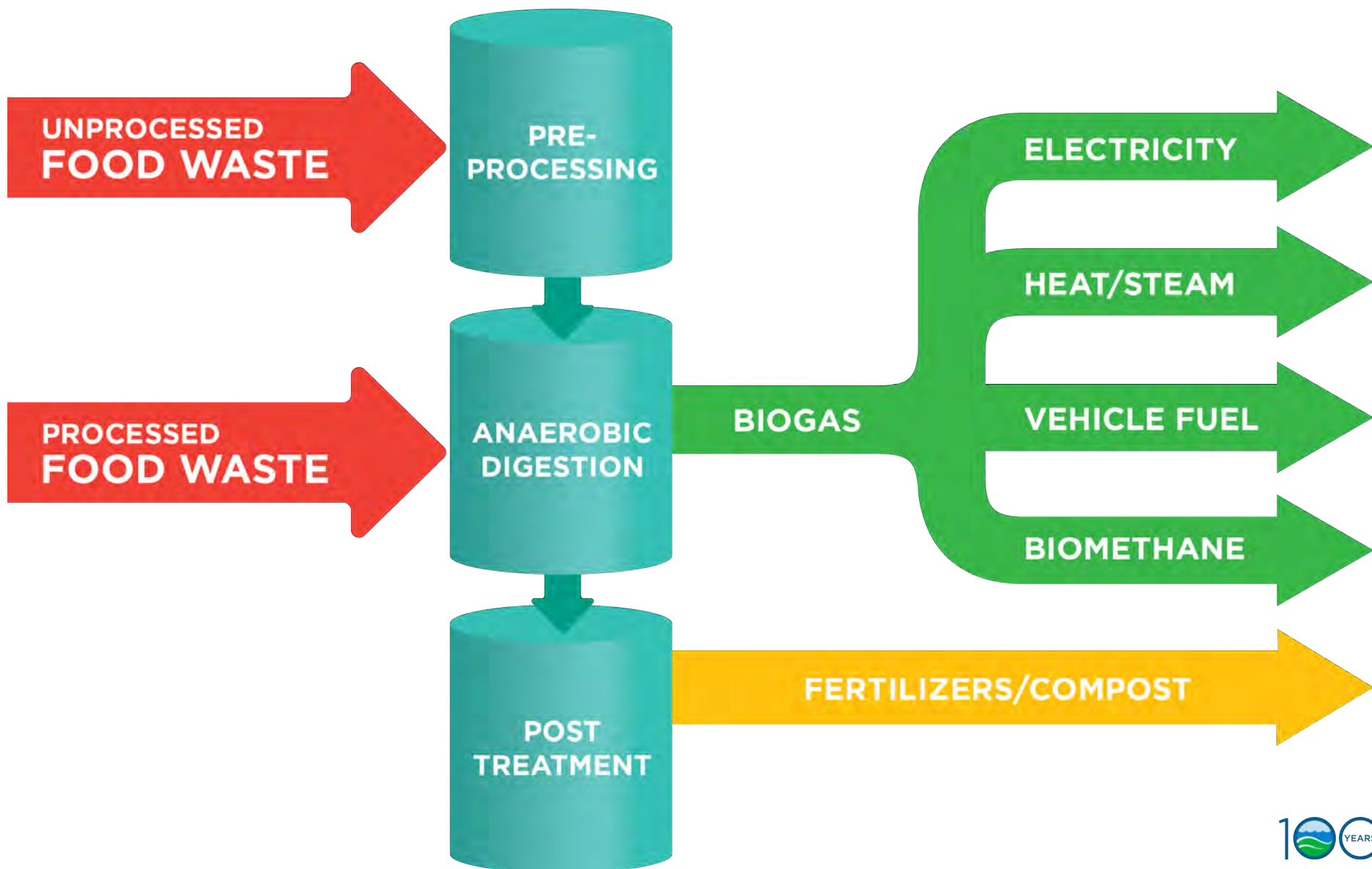
2022, Slurry Receiving Facility 2

2018, Liquid Waste Disposal Station

2021, Biogas Conditioning System 1



Food Waste Recycling Process



Slurry Receiving Facility @ Warren



Slurry Receiving Facility

Pre-Processing Facility @ PHMRF

Bio Separators

(Impurities in food waste filtered out; pure food waste is slurried)

Hopper

(Receives food waste loads, breaks bags)

Slurry tanks

(slurried food waste is stored and then taken to treatment plant)



Biogas Conditioning Facility

Fueling Station

Chiller Skid

Storage Tank

BCS Skid



Phase 1
Treatment /
Storage

Retail CNG
Station

Retail CNG
Station
Expansion

Phase 2
Treatment
(Construction)

Future Carbon
Capture
Project

SoCalGas Utility
Pipeline Injection
Equipment
(Construction)

Future BCS 2 Facility



Expanded CNG Station



Food Waste Recycling Program Infrastructure

Completed & Operational

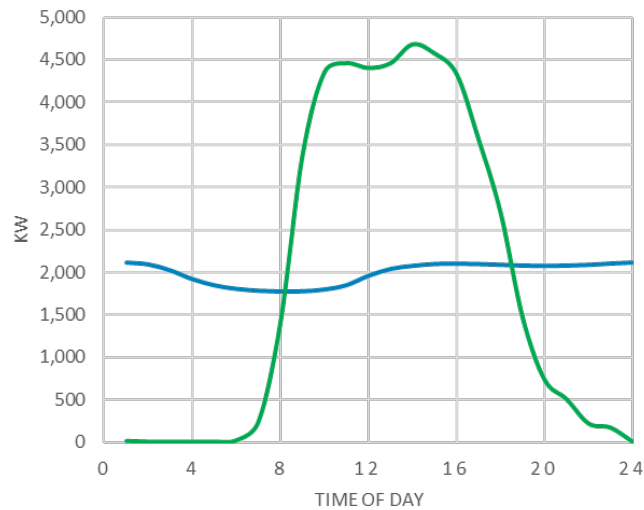
- Doda Pre-Processing Facility
- Slurry Receiving Facilities 1 & 2
- Biogas Conveyance Pipelines
- Biogas Conditioning System 1

Currently in Design & Construction

- Carson Fueling Station Expansion
- Biogas Extra Storage Modification
- Biogas Conditioning System 2
- Utility Pipeline Interconnection

Palmdale & Lancaster WRP Solar and Battery Storage Systems

- 25-year fixed Power Purchase Agreement
- Net Energy Metering 2.0
- 95% load support



— Current Usage (July 22-23) — Proposed Solar and Battery System

