



USING BIOGAS AS FUEL FOR ELECTRICITY GENERATION

APPLICATION
Cogeneration

MARKET SECTOR
Agriculture/Food Processing

CLIENT
Kroger

EQUIPMENT
(3) GT250S

LOCATION
Compton, CA

REPURPOSE HEAT ON-SITE INSTEAD OF EXPENDING ENERGY TO ELIMINATE IT.



PROJECT

- Three 250kW turbines convert gas from digester to electricity
- Cogen heat used to regulate digester
- Digester operates on waste food from grocery store
- Grid parallel operation

SITE EQUIPMENT

- Gas collection
- Conditioning / liquid removal
- Gas compression

RESULTS

Over 30,000 hours operation

CARB Waste Gas Certified for operation on digester gas