



# Harvest Power EBMUD Food Waste PreProcessing Design & Project Management

## *Organics Management*

### **Project Profile**

#### **Background**

Harvest Power (HP) was selected by the East Bay Municipal Utility District (EBMUD) to design, build and operate an organic waste pre-processing facility to receive, process organic wastes, and transport prepared wastes to existing EBMUD anaerobic digesters. The facility would also treat biogas from the digester and compress the gas to generate Compressed Natural Gas (CNG) vehicle fuel.

#### **DEI Scope of Work**

DEI managed the overall site plan development and detailed design process. DEI also provided project management and coordination between EBMUD, Harvest Power and the design team.

#### **DEI Team Activities**

- Overall Facility Design Development
  - Site Plan Development
  - Traffic Flow Analysis
  - Equipment and Technology Vendor Coordination
- Detailed Design Development
  - Development of Pre-Engineered Metal Building (PEMB) design and specifications to support request for proposal process
  - Detailed design plans to support the building permit process including:
    - All Site Civil Engineering
    - Architectural plan development for buildings
    - Structural Engineering of all building and equipment foundations

#### **Results**

The building permit package was completed to the satisfaction of Harvest Power and EBMUD.

# DEI

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