Pure Energy Group, LLC
Advanced Waste to Energy Technology

An Innovative Approach to Renewable Energy and Environmental Sustainability
PEG 6.5 IBR Series Single Tank System - Devils Canyon Brewery San Carlos, CA
Reducing Costs

Enterprises that generate organic waste:

- The need for disposal of the organic waste generated by their processes and spoilage.
- The energy demand for their day-to-day operations.
California recently passed several pieces of legislation:

- AB 1826 Recycling of Organic Waste. Approved, filed with the Secretary of State Sept. 28, 2014
The PEG Solution

- Waste to energy solutions for small to medium enterprises
- Best organic waste conversion solutions for our customers
- Globally patented Induced Bed Reactor (IBR) Digester technology developed in the US
High solids loading rate 25-35% for incoming waste
Excellent reduction of organic solids ... 70% or greater
Flexible operating temperatures from 95° to 140°F
Clean high quality biogas with 65-70% methane
Short process retention time of 4-7 days HRT
Our customers include any commercial/industrial enterprises that produce organic waste streams as a byproduct of daily business.
Client Friendly Solutions

- Modular by design easily adaptable and expandable
- Smaller footprint, ideal for commercial and industrial urban areas where space is a premium
- Custom PEG PLC control system for autonomous operation and off-site control flexibility
- Easily configured with pre de-packaging and post solids separation equipment in one compact system
- US based technology and design, with readily available parts & support
**PEG 6.5 IBR Series Systems**
Waste Processing of 4.5 to 23 tons per day
4 - 21 million CF biogas per year
90 kW - 400 kW of combined heat and power output

**PEG 18 IBR Series System**
Waste Processing of 13 to 67 tons per day
12 - 60 million CF biogas per year
250 kW - 1.25 Mega-watts of combined heat and power output

**PEG 32 IBR Series Systems**
Processing of 23 to 115 tons per day
20 to 105 million CF biogas per year
420 kW - 2.2 Mega-watts of combined heat and power output

*Note: Energy figures based on mixed organic food waste*
PEG Offers:

- Process technology, equipment design, engineering and ongoing support.
- Design build services
- Design build and operate services
- Full turnkey, design, build, own, operate and finance solution
- Direct sale of PEG proprietary process design and equipment to EPC developers.
Turnkey Services

Services furnished by PEG include:

- Engineering design
- Permitting assistance
- Site selection & design
- Analysis of best fit for energy off take
- Full project management or construction management
- System Start-Up & Training
- Ongoing Technical and Process Support
For More Information
Please Contact

Pure Energy Group, LLC
Providing Clean Renewable Energy from Ordinary Waste

Brandon Julian, CEO Pure Energy Group LLC
Info-epaweb@peg-ibr.com