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Pure Energy Group, LLC

Advanced Waste to Energy Technology

*An Innovative Approach to Renewable Energy and
Environmental Sustainability*



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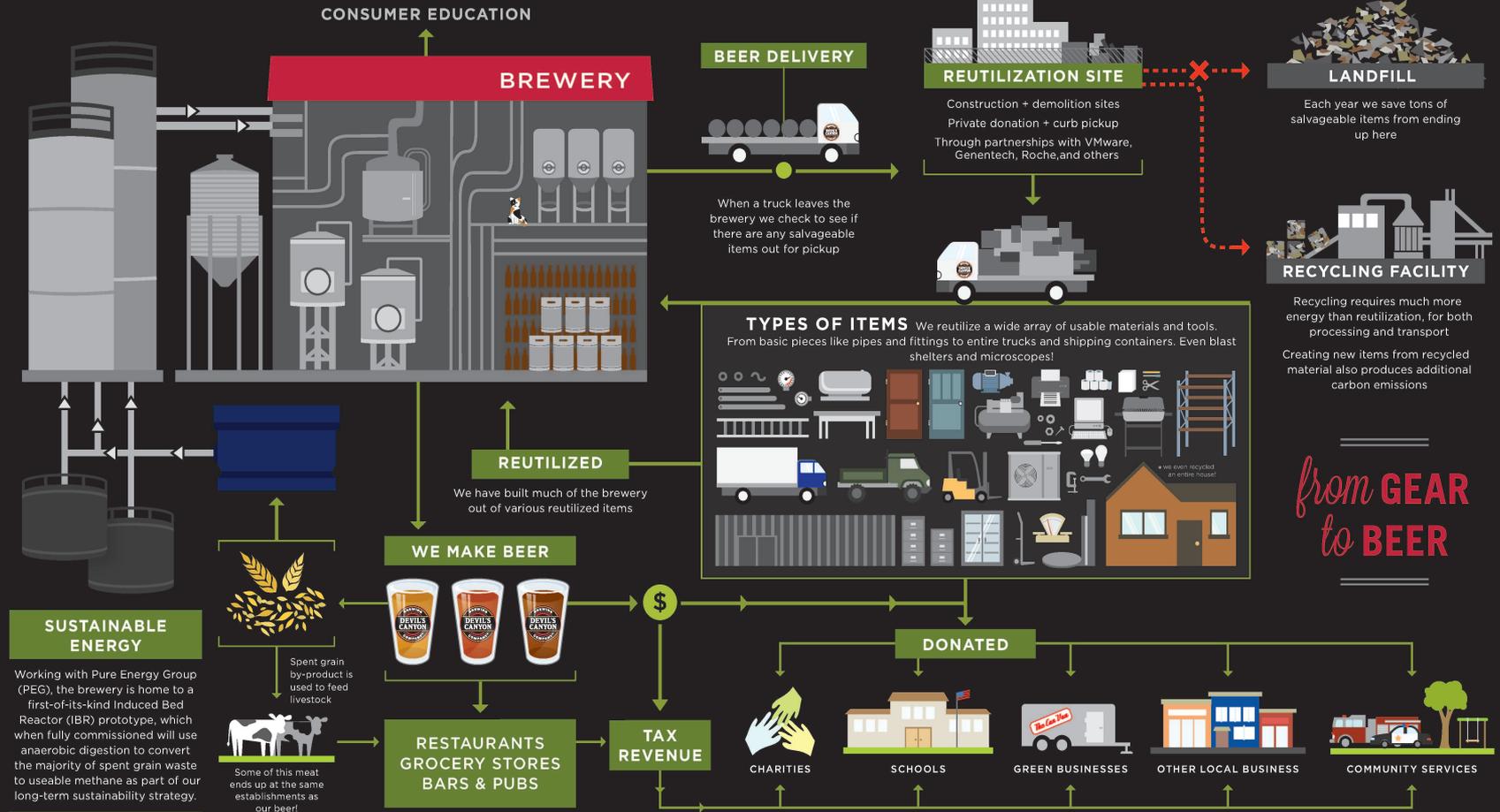


PEG 6.5 IBR Series Single Tank System - Devils Canyon Brewery San Carlos, CA



C.O.R.E | CULTURE OF REUTILIZATION ETHIC

FOSTERING SUSTAINABILITY, UPCYCLING, AND REUSE





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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.



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Spot Light California



California recently passed several pieces of legislation:

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



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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



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IBR Technology



- 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



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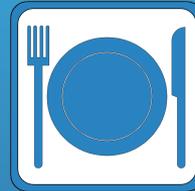
PEG Markets

Our customers include any commercial/industrial enterprises that produce organic waste streams as a byproduct of daily business.

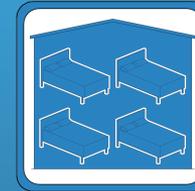
Food Waste



Grocery Chains



Commercial
Food Services



Resorts

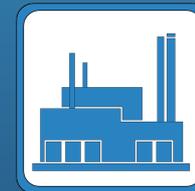
Food & Beverage
Producers



Brewing & Distilling



Juice & Beverage



Food Processors



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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



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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



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Project Approach

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.



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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



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For More Information
Please Contact

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Providing Clean Renewable Energy from Ordinary Waste

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