

Project List – PA Carbon Offsets from WGL Energy

PA Carbon Offsets from WGL Energy are sourced from the following projects:

Lancaster County Solid Waste Management Authority (LCSWMA) Landfill Gas-to-Energy Project



Project Type: Land Fill Gas Capture and Destruction

Description: This project involves the capture and combustion of methane gas generated at LCSWMA's Creswell (closed) and Frey Farm (active) landfills. The methane is collected by a network of gas wells at both landfill sites, and conveyed to a 3.2 megawatt gas-to-energy plant located along the Frey Farm Landfill's access road. The methane is combusted in two 1,600 kilowatt-hour Caterpillar 3520G engine-generator sets. Waste heat generated by the engine-generators is supplied to a nearby dairy operation for use in their ice cream manufacturing process.

Benefits:

- Reduced greenhouse gases (GHG)
- Green jobs creation
- Increased local tax revenues
- Reduced landfill odors
- Improved human health

Project Location: Conestoga, PA (USA)

Project Start Date: 12/12/2005

Endorsed Program: [Climate Action Reserve](#)

Blue Ridge Landfill Project

Project Type: Land Fill Gas Capture/Combustion

Description: The IESI Blue Ridge Landfill project is a gas collection and destruction project. Landfill gas is collected from gas extraction wells and is destroyed using an onsite enclosed flare. The project is monitored such that the gas flow and methane concentration is monitored continuously. A thermocouple reading the temperature of the flare provides evidence of the methane destruction.

Benefits:

- Reduced greenhouse gases (GHG)
- Green jobs creation
- Increased local tax revenues
- Reduced landfill odors
- Improved human health

Project Location: Scotland, PA (USA)

Project Start Date: 11/11/2002

Endorsed Program: [Climate Action Reserve](#)