



## CASE STUDY :: **BROAD MOUNTAIN POWER** Landfill Gas-to-Energy Project

Location: Hegins, PA  
Services: Electric Generation & Landfill Gas Disposed  
Project Start: 2008  
Plant Capacity: 10.2 MW  
Developer: UGI Development Company  
Major Equipment: Solar Turbine Taurus 60 Mobile Units

### CUSTOMER PROFILE

The Broad Mountain Power Landfill Gas-to-Energy Project includes design, equipment procurement, construction and operations and maintenance. The project is located at the Commonwealth Environmental Systems (CES) municipal solid waste landfill in Hegins, Pennsylvania.

### PROJECT SUMMARY

The CES project includes turn-key construction of a 10.2 MW power plant with two mobile turbine packages and associated equipment interconnected to the local power grid. The project also includes a pipeline to convey landfill gas to the facility, two stage compression systems and a siloxane removal system.

Interconnection to the flare and controls allow for the landfill gas to be directed to both the Energy Generation Facility and a local business for direct end use.