



# Qnergy partners with landfills to create revenue streams from unused landfill gas

## How it works:

- Qnergy powers a collection and destruction system - no utilities necessary
- Destroys >200 scfm landfill gas per system
- Multiple systems may be linked together to increase capacity
- Collection and destruction of methane emissions creates carbon credits
- Carbon credits generate new revenue stream
- Flexible business models available

## Key advantages of the Methane Destruction System:

- Operation down to 30% methane levels
- Remote, unmanned operation
- Remote monitoring with Dashboard
- Minimal maintenance
- Mobile system design

### Eligible Landfills

Early Action at Open NSPS Regulated Landfills	Methane mitigation in newly opened, active cells from existing leachate system and added horizontal collectors
Action at Open and Closed non-NSPS Landfills	Methane mitigation from existing leachate system and/or add gas collection system



### A Model for Success

Qnergy operates a Methane Destruction System at a closed landfill in Weber County, Utah. The installation, operation, and maintenance is funded by Qnergy, with repayment through the generation and sale of carbon credits. Weber County also receives a portion of the resulting revenue.

## Enabling Technology

Qnergy's PowerGen LFG application is a Free Piston Stirling Engine generator that converts methane from any source into utility-grade electricity. With a proven track record in the oil and gas industry, the PowerGen can also provide sustainable power from otherwise wasted methane at landfills.

The Qnergy PowerGen coupled with a flare provides a methane mitigation solution for eligible landfills.

**Have an eligible landfill? Contact us at [biogas@qnergy.com](mailto:biogas@qnergy.com)**