

# Customer Case Study

## LoCI increases mid-continent landfill gas to high-BTU project's revenue by an average of 30% over 18-month period

### Customer Problem

A landfill gas to high-BTU project historically generated an average of 1,550 SCFM of landfill gas flow from 129 collection wells, with approximately 55% methane. To meet pipeline specifications, nitrogen in the gas collection system had to be limited to less than 2%. Maintaining the gas quality was challenging, and manual well tuning could not effectively optimize the collection system due to the constantly changing environment. As a result, gas quality often fell short of the pipeline specification, which led to gas flaring with no revenue generation during these periods.

### LoCI Solution

The landfill gas to high-BTU project operator engaged LoCI for its real-time data and control system. LoCI installed 50 Controllers, which represented approximately 65% of the overall gas flow. As a result of the improved revenue and project uptime with LoCI's system, the installation was expanded to 100 wells, representing over 90% of the gas collection.

All LoCI automated gas collection operations were supported by both LoCI Analysts, who remotely reviewed data and alerts, as well as LoCI's on-site Field Service Representatives, who performed routine maintenance and provided customer support.

### Results

**Using LoCI's real-time data and control system resulted in a year-over-year increase in gas delivered to the pipeline, as well as an increase in associated revenue by over 30% relative to the year prior, when manual tuning was used.**

During the 18-month period, there was a dramatic reduction in downtime which was previously due to landfill gas that did not meet specifications. The net return to the landfill gas project operator as a percent of LoCI's service fee over the 18-month period exceeded 5x.

