



Central Transfer Station: Combined Heat and Power

As part of the design and construction of the new Solid Waste Services Central Transfer Station, natural gas fueled microturbines were installed to provide both heat and power to the Administrative Building and tipping floor. To accomplish this, the new facility was designed as a microgrid capable of both drawing power from the grid and sending it back. During blackouts the system can step in and provide all of the power to run the Tipping building, Admin building, and Commercial Scale Booth.

Project Specs:

- 5 x 65 kW natural gas micro turbines
- 325 kW max power output
- Peak operating: 250 kW
- Non-operating: 100kW
- Thermal: 2.25MMBTu hydronic heat system

Project Goals and Benefits

1. Gas and cost savings by recovering and utilizing waste heat.
2. Energy resiliency and independence during grid down times.
3. Reduced maintenance needs on the tipping floor during cold weather.

Current Status

Commissioning - Summer 2025

