

Greenholm Power

Ontario, Canada



Electrical output: 500 kW | Commissioning: 2013 | Cofermentation AD plant



Technical data

- **Prestorage Tanks:** 2x 1,231 m³, 1x 361m³
Mixers: 2x 1 PlanET eco[®] Turbo, 1x 2 PlanET eco[®] Turbo
- **Digesters:** 2x 2,078 m³
Mixers: 4 PlanET eco[®] Mix
- **Digestate Storage:** 5,645 m³
Mixers: 3 PlanET eco[®] Mix
- **Dry Feeding System:** 1x PlanET Vario 18 m³
- **Liquid Feeding System:** PlanET eco[®] Flow
- **CHP:** 2x 2G 250 kW_{el} engines
- **Substrates:** Dairy Manure & Culled Potatoes

Greenholm Farms is a 750-acre family-owned & operated dairy and cash crop operation. They chose to install a biogas plant because they believed it to be the most reliable option for renewable energy. The energy produced is sold to the local grid while the heat generated by the engine is re-used to maintain the temperature in the digester, an office and the owner's home. The liquid produced by the digestion process is used as a nutrient-rich fertilizer on the farm.

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