



Ridgeline Farms receives revenue from Net Metering



Excess biogas is flared; recently, a gas flow meter was installed to determine the amount of gas sent to the flare

“Digesters are a win-win situation. This technology is good for the planet *and* the people.”

- Vinny Howden

Previous monitoring results continued...

Energy production results: Data on energy production/use was taken between 1/2004 and 5/2005.

- Average monthly metered biogas = 3,964,428 ft³
- Average biogas CO₂ content = 31.5%
- Monthly energy produced (generated) = 92,738 kWh
- Monthly avoided energy purchase = 55,573 kWh

Initial Capital Costs

Component	Costs/Benefits (\$)
Digester	
- Digester Construction and Materials	260,000
- Mix Pumps	77,000
Subtotal	337,000
Engine-Generator Set	
- Engine Generator	96,317
- Switching Equipment	10,000
- Engine Building	22,614
Subtotal	128,931
Solids and Liquids Separation	
- Separator	46,613
- Separator Building	15,076
Subtotal	61,689
Liquid Storage	45,000
Other	56,900
Total Capital Cost	622,520

For more information

Download and print the Ridgeline Case Study at:

<http://www.manuremanagement.cornell.edu/HTMLs/CaseStudies.htm>

See Interim Report and other results at:

http://www.manuremanagement.cornell.edu/HTMLs/Project_Reports.htm

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