

Ottawa Generating Station

PROJECT TYPE

ELECTRICAL GENERATION

The Ottawa Generating Station is the third electrical generating plant constructed by Granger Electric Company. The plant is fueled by landfill gas from the Ottawa County Farms Landfill and runs six Caterpillar 3516 engine-generator sets that produce 4.8 megawatts of electricity each year. The 2005 addition fuels 1 Caterpillar 3520 engine-generator set that produces 1.6 MW of electricity. This combined total of 6.4 MW of electricity is the annual equivalent of powering 4,070 homes, planting 76,702 acres of trees, removing emissions of 53,826 cars, offsetting the use of 1,376 railcars of coal, or preventing the use of 800,152 barrels of oil.

LANDFILL LOCATION

⊕ Ottawa County Farms Landfill, Coopersville, MI, Allied Waste

LANDFILL GAS PRODUCTION

⊕ Approximately 2,450 scfm

ELECTRIC CAPACITY

⊕ 6.4 megawatts

GROUNDBREAKING

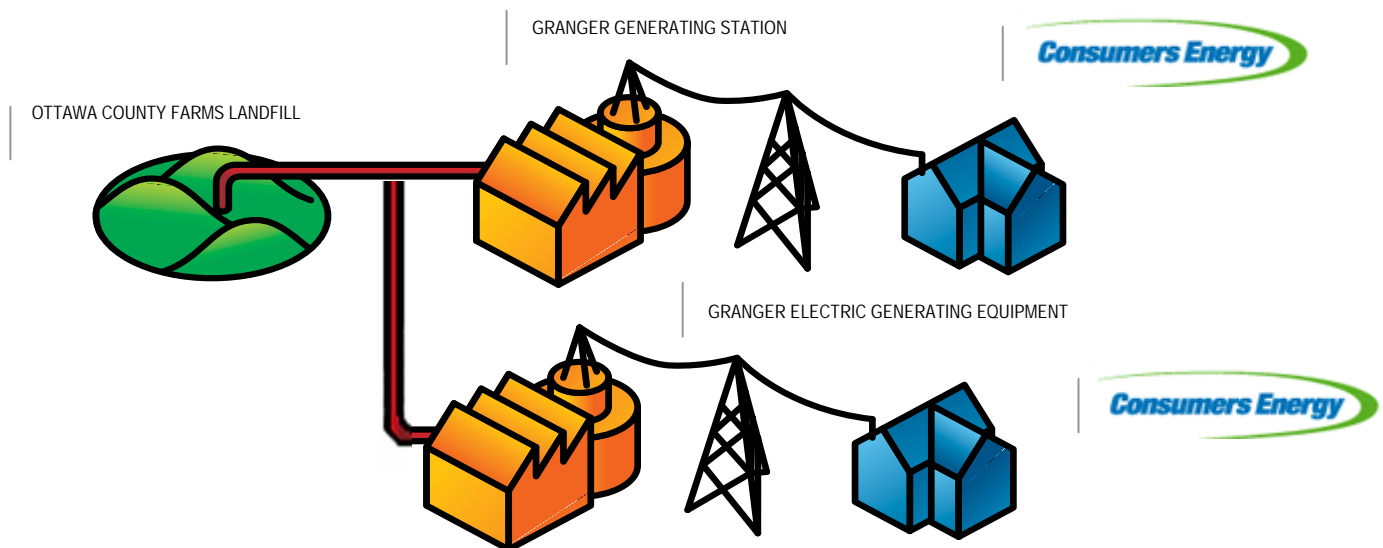
⊕ December 1993

COMMERCIAL OPERATION DATE

⊕ June 1994

⊕ February 2003 (first expansion)

⊕ December 2005 (second expansion)



In 2005, the Ottawa Generating Station had an on-line percentage of 99.08.



Ottawa Generating Station Exterior

The Ottawa site fuels 7 engine-generators

Control panels monitor electricity production