



Sarasota County's Landfill Gas to Energy Facility is located at the Central County Solid Waste Disposal Complex, 4000 Knights Trail Road, Nokomis.

The facility is the result of a unique public-private partnership between Sarasota County and Landfill Energy Systems Florida (Aria Energy).

Its purpose is to utilize the methane gas produced by our landfill as a fuel and convert it to electricity that enters the power grid.

Fast Facts

- Facility opened: **February 2015.**
- The facility was built with no capital spending by the county. It is fully financed, owned and operated by Aria Energy.
- Sarasota County receives a steady revenue stream based on a percentage of the power purchase revenues collected by Aria Energy.
- The project generated **two full-time jobs** at the plant and contributed more than **\$500,000 to local vendors and companies** for construction.
- The innovative technology shows Sarasota County's commitment to clean energy and a sustainable future.

- The three engines inside the building can produce as much as **4.8 megawatts** of electricity, or enough to power **2,800 homes**.
- Each engine uses about **500 cubic feet** of landfill gas per minute. In comparison, a medium-sized home barbecue grill uses less than 1 cubic foot of propane per minute.
- The engines weigh about **20 tons** each, have **20 cylinders** and produce more than **2,200 horsepower** apiece.
- The EPA estimates that a 4.8 megawatt landfill gas to energy project reduces carbon dioxide emissions by **236,000 metric tons** each year, due to the reduction in methane emissions from the landfill and reduced consumption of fossil fuels.
- The reduction is equivalent to the annual carbon dioxide emissions from nearly **50,000 passenger vehicles**.
- This is the fifth landfill gas to energy owned and operated by Aria Energy in Florida and its 45th throughout the country.

