



- Home
- About SWA
- Facilities & Hours
- Rates & Payment Methods
- Collection Service
- Hazardous Waste
- Hurricane Info
- Recycling & Educational Resources
- Lobbyist Information
- Volunteer Programs
- Community Service
- Career Opportunities
- Purchasing & Bids
- Greenway Trail System
- Agendas & Minutes
- Related Links
- Contact Customer Service



Solid Waste Authority
 7501 North Jog Road
 West Palm Beach, FL 33412
 561.640.4000

Customer Service:
 Phone: 561.697.2700
 Toll Free: 866.792.4636



Administration Hours:
 8:00 am to 5:00 pm M-F



You probably know the SWA for our garbage and recycling programs, but did you know we are a major producer of renewable energy? While the SWA's Waste-to-Energy Facility reduces the volume of waste disposed in the landfill it also uses household garbage as fuel to produce clean electricity.

According to the EPA, WTE plants are a "clean, reliable, renewable source of energy" that generate electricity "with less environmental impact than almost any other source of electricity". In fact, waste-to-energy plants improve air quality decreasing the consumption of fossil fuels such as oil, coal and natural gas.

Realizing the benefits of WTE, the SWA has plans to increase our capacity from the current 2,500 tons per day to over 5,500 tons per day by 2015.

Air Emissions (Pounds per Megawatt Hour)

Fuel Type	CO2	SO2	NOx
Coal	2,249	13	6
Oil	1,672	12	4
Natural Gas	1,135	0.1	1.7
MSW	837	.8	5.4

Source: "Comparison of Air Emissions from Waste-to-Energy Facilities to Fossil Fuel Power Plants, 2005", SWANA Applied Research Foundation, by Jeremy O'Brien.

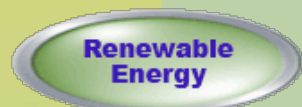
Additionally, the SWA uses landfill gas, which consists primarily of methane, as a renewable energy source to produce clean energy as an alternative to fossil fuels. Using landfill gas, the SWA is making one state-of-the art environmentally beneficial project even better. At the SWA's Biosolids Pelletization Facility, landfill gas is used to power the sludge dryers as an alternative to natural gas. The SWA and its partners constructed this facility to provide for the efficient and environmentally safe disposal of sludge from waste water treatment plants. At the BPF, sludge will be dried, pelletized and sold to fertilizer blenders as a natural and nutrient rich component of commercial fertilizers.



[Weather](#)

[Need Bins?](#)

[En Español](#)



This is just the first step in the beneficial use of landfill gas at the Solid Waste Authority, and the SWA is committed to increasing the use of landfill gas in the future.

Links:

[America's Own Energy Source](#)
[Renewable Energy Facility Content](#)

[Meeting the Future: Evaluating the Potential of Waste Processing Technologies to Contribute to the Solid Waste Authority's System \(A White Paper\)](#)



[\[Site Index\]](#)