

# WIN WASTE INNOVATIONS SOUTH BROWARD

## RENEWABLE WASTE-TO-ENERGY IN BROWARD COUNTY, FLORIDA

The WIN Waste South Broward waste-to-energy facility diverts post-recycled residential and commercial waste from landfills and converts it into renewable energy that powers homes and businesses in the region. Creating electricity from waste is an environmentally friendly alternative to landfilling that generates a byproduct upon which all of us depend – electricity.

The waste management industry plays a critical role in the sustainability of our world. By offsetting fossil fuels, recycling metals, and transforming waste into renewable power, we are doing our part to preserve our natural resources and protect our planet.

## WASTE-TO-ENERGY IS THE EPA-PREFERRED METHOD FOR END DISPOSAL TO REDUCE GREENHOUSE GASES

Every day, the WIN Waste South Broward waste-to-energy facility in Fort Lauderdale converts up to 2,250 tons of post-recycled waste into renewable energy through a highly efficient combustion process that meets strict state and federal standards.



**1 TON**  
OF WASTE PROCESSED  
AT WIN WASTE SOUTH  
BROWARD FACILITY



**UP TO 2 TONS**  
OF NET CO<sub>2</sub>e  
EMISSIONS AVOIDED

By recovering energy from post-recycled trash, WIN Waste diverts all those tons of waste from landfills, where they would otherwise decompose, releasing methane, the greenhouse gas that has a global warming potential more than 84 times that of carbon dioxide in its first 20 years. Diverting waste from landfills and converting it into a renewable resource eliminates vast amounts of future greenhouse gas emissions. This is one of the reasons waste-to-energy is the EPA's preferred method for end-disposal of waste.



### SUPPORTS 79

FULL-TIME EMPLOYEES WITH JOBS THAT PAY LIVING  
WAGES AND BENEFITS THAT START ON DAY 1



### CONVERTS 822K+

TONS OF POST-RECYCLED WASTE INTO  
RENEWABLE ENERGY



### POWERS 43K+

HOMES WITH CONVERTED ELECTRICITY



### OFFSETS 847K+

BARRELS OF OIL NEEDED TO MAKE THE  
EQUIVALENT AMOUNT OF ENERGY



### RECOVERS & RECYCLES 17K+

TONS OF METALS FROM THE WASTE STREAM

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**"Waste-to-energy is the better  
alternative to landfilling for  
managing MSW that is not recyclable,  
a reality explicitly recognized by  
the waste management hierarchy  
recommended by both the U.S. [EPA]  
and the European Union."**

**– Marco J. Castaldi, Ph.D.**

**"The Scientific Truth About Waste-to-Energy"**

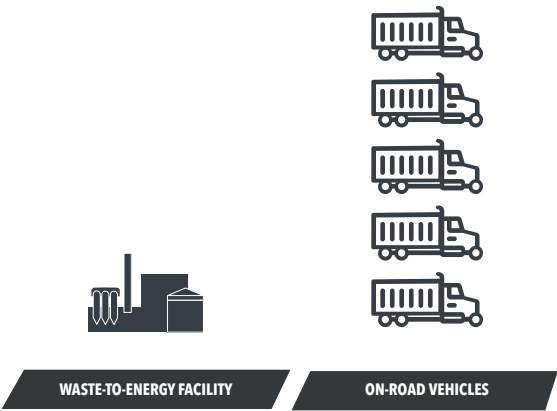
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# WASTE-TO-ENERGY: THE SUSTAINABLE ALTERNATIVE

## IMPACT ON AIR QUALITY

A recent study<sup>1</sup> conducted in Florida revealed that the health risk associated with a waste-to-energy facility is below the risk posed by simply walking down the street and inhaling benzene emitted from automobiles.

Not only is traffic a much more potent source of air pollution than the highly regulated WIN Waste facility, converting waste into energy eliminates the thousands of tractor trailer trips to and from distant landfills that would otherwise be required. This further reduces traffic-related air pollution and prevents wear and tear on highway infrastructure.



<sup>1</sup> Arcadis, "Future Waste to Energy Facility Preliminary Air Modeling Report," 2024.

## SAFETY & ENVIRONMENTAL EXCELLENCE

Like other forms of energy generation, waste-to-energy is highly regulated. Our team of 79 highly trained professionals oversee our plant's operations 24 hours per day and 365 days per year to ensure we are not only meeting but beating the requirements of our operating permit wherever we can.

### PERMISSIBLE EMISSIONS VS. ACTUAL EMISSIONS

WIN Waste South Broward regularly operates at or below permit emissions requirements. And we continue to innovate and improve. This chart includes some of the emissions that we monitor. You will notice a big difference between what we are allowed to emit and what we actually emit.

	Lead	Cadmium	Mercury	Particulates	Hydrogen Chloride	Dioxins	Carbon Monoxide	Sulfur Dioxide	Nitrogen Oxides
U.S. EPA Permit Allowance	400	35	50	25	29	30	100	29	205
WIN Waste's Annual Average	4.1	0.4	0.7	2.7	3.2	4.5	24	10	183
	99% BELOW PERMITTED LEVELS	99% BELOW PERMITTED LEVELS	99% BELOW PERMITTED LEVELS	89% BELOW PERMITTED LEVELS	89% BELOW PERMITTED LEVELS	85% BELOW PERMITTED LEVELS	76% BELOW PERMITTED LEVELS	66% BELOW PERMITTED LEVELS	11% BELOW PERMITTED LEVELS



### WIN WASTE SOUTH BROWARD HOLDS COVETED VPP STATUS - OSHA'S HIGHEST SAFETY DESIGNATION

Nine WIN Waste Innovations waste-to-energy facilities, including South Broward, have achieved OSHA "Star" worksite status. The Occupational Safety and Health Administration designates "Star" sites through its Voluntary Protection Program (VPP). It is the highest safety rating OSHA bestows, and fewer than one percent of worksites in the United States achieve the designation.

[win-waste.com](https://win-waste.com)

