

Landfill Gas-to-Energy

Did you know that landfills with gas collection systems can recycle nearly 25% of the material deposited in the landfill?

That makes landfills some of the largest recycling operations in the U.S. Here is the best part. The gas created by the landfill is re-used for Green Energy!

Brent Run, a Waste Connections landfill, is harvesting methane gas to be burned to generate electricity for the power grid.

In partnership with EDL, the company that harnesses the gas on site, this 22-year-old sustainability initiative produces enough megawatts to power the equivalent of 7,500 homes in Montrose, Michigan.

Landfill gas is the natural byproduct of the decomposition of organic material in landfills. As organic waste breaks down, methane gas is created. Without a gas collection system, the methane is incinerated in a flare rather than being discharged to the atmosphere.

At Brent run, a vast majority of the methane gas is harvested through a perforated piping system of drilled gas extraction wells. EDL cleans it by removing the moisture content and runs it through power turbines that deliver the electricity.

It's a constant source of power that is running all the time, making Waste Connections-Brent Run Landfill and EDL good neighbors and good environmental stewards in the community.

