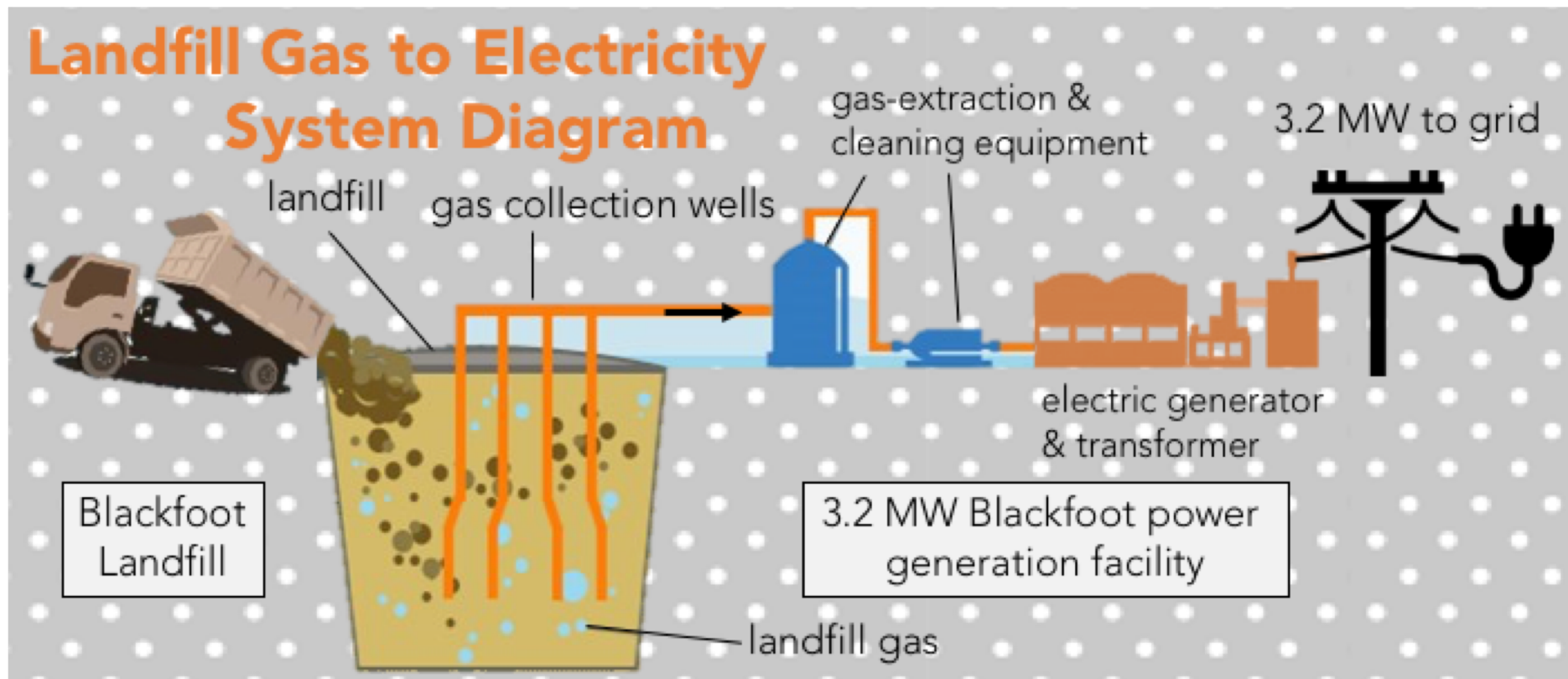


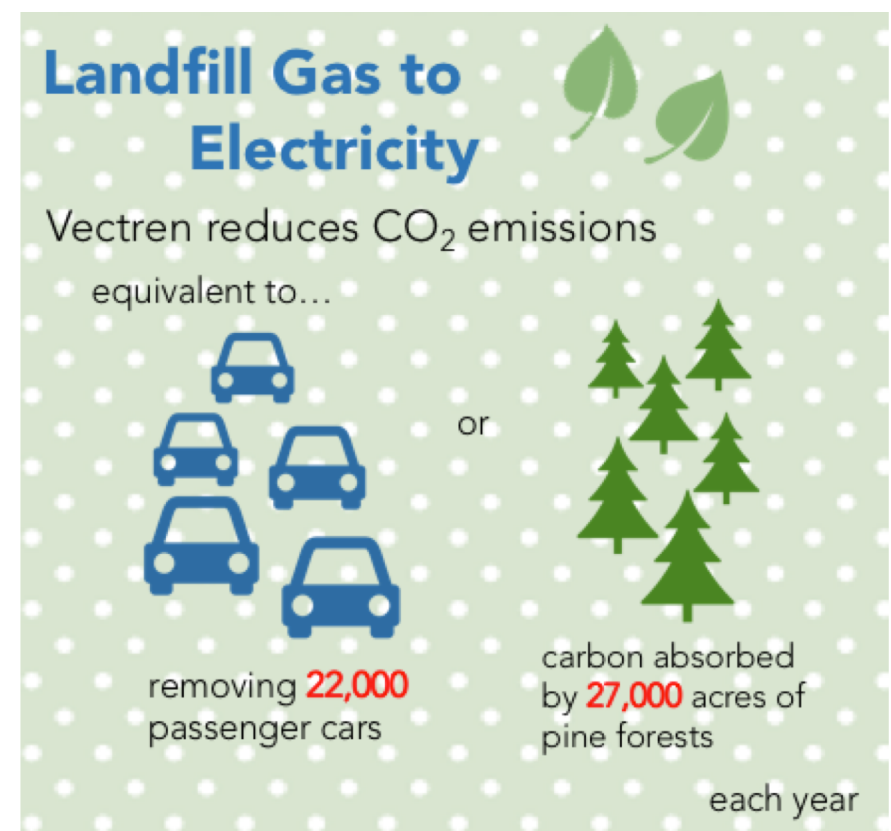
LANDFILL GAS TO ELECTRICITY

Vectren completed a landfill gas-to-electricity project and opened the Blackfoot Clean Energy Facility at the Blackfoot landfill in Pike County in 2009. The goal of the project was to utilize landfill gas from the Blackfoot landfill to generate electricity.



Instead of escaping into the air, landfill gas from the Blackfoot landfill is captured and used as renewable energy resource to protect our environment. Using landfill gas not only prevents methane from contributing to global climate change but also helps to reduce odors and other hazards associated with landfill gas emissions.

About two-thirds of waste discarded at landfills is generally biodegradable and produces harmful gases called landfill gas as it rots and decomposes. Landfill gas is roughly composed of about 50% methane and 50% carbon dioxide. Methane is one of the greenhouse gases that contributes to global climate change and is 28 to 36 times more effective than carbon dioxide at trapping heat in the atmosphere. But, at the same time, methane is a renewable energy source that can be used for electricity generation.



The gas extracted from the landfill is sent to the Blackfoot power generation facility through pipeline. There, the gas is treated and used as fuel to power two generators for electricity generation. The plant can generate 3.2 megawatts of electricity to power about 2,000 homes. By capturing these landfill gases, Vectren has been helping provide environmental benefits equivalent to the removal of emissions from more than 22,000 cars per year or the planting of about 27,000 acres of forest annually.