

# POWER CHALLENGE

## Expansion of Electricity Project at Prince George's County Landfill

The Brown Station Road Landfill in Prince George's County was already a success story, capturing methane gas at the facility and converting it to power. Curtis has operated and maintained the original facility since its inception in 1987. Additional landfill methane provided the opportunity for an expansion project known as "Phase II."



*Above: The new power plant at the Brown Station Road Landfill Facility.*



*Above: The switchgear parallels the four generator sets, all of which and are interconnected to Pepco and the PJM Grid.*

The Phase II project includes a generator powerhouse with four Waukesha VHP7100GL generator sets rated at 4.4 megawatts, switchgear, and controls. The system is interconnected to the PJM Grid.



# POWER SOLUTION

## Curtis Engine & Equipment, Inc.

Curtis Engine was contracted to furnish the complete design, construction, startup, and commissioning of the Phase II Project. Now Prince George's County is able to produce 6.8 megawatts of electricity, more than doubling its previous capacity, and boiler feed gas for several County buildings including the Correctional Facility.



*Above: The "Big Orange." The Waukesha VHP Series has established the standard for performance and availability in landfill gas applications.*

*Left: Control room where Curtis technicians monitor the equipment and service as needed, to ensure efficiency and reliability.*

### Curtis Engine & Equipment, Inc.

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