

How to Use This Virtual Tour

Lancaster Waste-to-Energy Facility

To get started, click on the thumbnails at the bottom of the screen. For the best experience, we recommend clicking through the thumbnails in order from left to right.



Start here! (Each thumbnail is a different location at the facility)

HotspotsExplore the hotspot categories:A hotspot is a button that
contains additional
information in the form of a
photo, video, text, etc.Explore the hotspot categories:D VideoS Web linkD Text informationMove forwardD PhotoMove backward

Stop 1 | Welcome



Opened in 1991 and located in Conoy Township, the Lancaster WTE Facility is part of our larger Integrated System for managing waste, which helps to protect our environment and create clean, renewable energy.

Look for 5 hotspots - 4 videos, 1 text | Next stop, the scalehouse

Stop 2 | Scalehouse



The Scalehouse acts as the gateway to our facility.Before entering the site, all vehicles must pass through radiation monitoring equipment to ensure no loads are carrying hazardous waste. All vehicle traffic must pass over our scales when entering our facility and once again before leaving.

LOOK TOP

Stop 3 | Tipping Floor



Look for 4 hotspots – 2 videos, 1 text, 1 photo | Next stop, the tipping floor

Every day, hundreds of vehicles deliver waste to the Lancaster WTE Facility to be combusted, most of which comes from our Transfer Station in Lancaster.

Look for 5 hotspots - 3 videos, 1 text, 1 photo | Next stop, the waste storage pit

Stop 4 | Waste Storage Pit



The waste storage pit at the Lancaster Waste-to-Energy Facility can hold up to 9,000 tons of material! Trash is our fuel and keeps the plant running 24 hours per day, 7 days per week.

Look for 3 hotspots - 2 videos, 1 text | Next stop, the boiler hallway

Stop 5 | Boiler Hallway



The Lancaster Waste-to-Energy Facility is equipped with three independent boilers that each process 400 tons of waste per day.

Look for 4 hotspots - 3 videos, 1 text | Next stop, the turbine generator

Stop 6 | Turbine Generator



During the waste-to-energy process, garbage is transformed into electricity. During the waste-to-energy process, garbage is transformed into electricity.

Look for 3 hotspots - 2 videos, 1 text | Next stop, the Control Room

Stop 7 | Control Room



LCSWMA contracts with Covanta to operate the plant. A leader in waste-to-energy (WTE), Covanta owns and/or operates 37 WTE facilities in North America, including 6 in Pennsylvania.

Look for 4 hotspots - 3 videos, 1 text | Next stop, the ash building

Stop 8 | Ash Building



Through the waste-to-energy (WTE) process, the volume of waste is reduced by 90 percent! That means, for every 10 truckloads of waste that come into the facility, only 1 truckload of ash leaves.

Look for 5 hotspots - 3 videos, 1 text, 1 photo | Next stop, the back-end of the plant

Stop 9 | Back-End of Plant



The back-end of the Lancaster Waste-to-Energy Facility houses three important systems: pollution control, cooling tower and switchyard.

Look for 5 hotspots - 3 videos, 1 text, 1 photo | Next stop, the back-end of the plant

Stop 10 | Perdue Integration



The back-end of the Lancaster Waste-to-Energy Facility houses three important systems: pollution control, cooling tower and switchyard.

Look for 5 hotspots – 1 video, 1 text, 1 photo, 2 web links | Next stop, the back-end of the plant

Stop 11 | End of Tour



You've completed the tour! Thank you for joining us!

Look for 4 hotspots - 1 video, 1 text, 1 Facebook feed, 1 Instagram feed