



As part of WPUI's 2018 Energy Utility Basics course, on Friday October 12, 2018, there will be an optional tour of the Dane County Landfill east of the City of Madison WI.

Tour sign-up information will be available soon!

Board bus at Pyle at 12:00, tour from 12:30-1:30, return to Pyle at 2:00.

Long pants and closed-toe shoes required!

<https://pwht.countyofdane.com/recycle/landfill.aspx>

Dane County Landfill

The Dane County Landfill receives 230,000 tons of waste each year transported in by 300-440 vehicles per day. However, the Hwy 12 property incorporates much more than just the landfill. It also includes several waste recycling/diversion efforts and cutting-edge renewable energy projects, including tire recycling, shingle recycling, compost, a wood yard, household hazardous waste collection, and a Construction & Demolition (C&D) recycling facility. In the C&D recycling facility, approximately 70,000 tons per year of C&D materials are processed, ending the practice of disposing of C&D waste in the landfill.

The Dane County Solid Waste Division also has a long history of leading the way on renewable energy. As garbage decomposes, it produces gas, which is roughly 50% methane. The landfill has been using this methane for 23 years as fuel in large engines that power generators. This program creates 4MW of renewable electricity, enough to power 4,000 Dane County homes. Additionally, Dane County produces its own renewable compressed natural gas (CNG) vehicle fuel from landfill gas and captures waste heat from the gensets to heat some of the buildings at the landfill. As part of a current project, Dane County is working to convert its biogas program to a new technology which will produce 3,000,000 gallons of renewable vehicle fuel from landfill biogas. A new facility will include an off-load station which will allow off-site sources of biogas to truck their cleaned-up biogas to the landfill in order to make use of the landfill's pipeline interconnect. This will be a first-of-its-kind project in the U.S.