

**Waste to Energy (WTE) Plant Visit**  
**COVANTA UNION. LLC – Rahway, New Jersey**  
**12/2/2016**

A total of 32 students, accompanied by Professor Thanos Bourtsalas, visited a Waste to Energy Plant located on the banks of the Rahway River in New Jersey. The plant is owned by the Union County Utilities Authority and operated by Covanta Energy under a 25-year lease negotiated in 1998. The plant occupies 22 acres land and began commercial operation in June 1994, serving the residents of Union County in New Jersey. The capacity of the plant is approximately 1,500 tons of Municipal Solid Waste (MSW) per day and the energy produced is 42 MW (3 MW are used for inplant consumption and 39 MW are sold to the grid).

**Special thanks to:** Shang-Hsiu (Mike) Lee, Principal Engineer, R&D, Covanta  
Frace Todd, Plant Manager

