



Heating Air Conditioning Ventilation and Lighting Upgrades

PROJECT OVERVIEW

The Evesham Municipal Utilities Authority (EMUA), as part of an initiative to reduce energy costs and consumption, secured the services of Camp Dresser and McKee (CDM) to perform an energy audit at the Elmwood and Woodstream Wastewater Treatment Plants in an effort to develop comprehensive Energy Conservation and Retrofit Measures (ECRMs). The objective of the energy audit was to identify ECRMs to reduce energy usage and to develop an economic basis to financially validate the planning and implementation of identified ECRMs. The EMUA participated in the *Local Government Energy Audit Program* which is part of many energy efficiency and renewable energy initiatives that make up the New Jersey Clean Energy Program.

The first ECRMs the EMUA will be undertaking will be to upgrade the existing HVAC units and interior/exterior lighting to new energy efficient units and lighting at the Elmwood and Woodstream Wastewater Treatment Plants.

HVAC & BOILER UPGRADES

Air Control Technology, Incorporated (ACT) was awarded the heating air conditioning and ventilation (HVAC) upgrade contract in the amount of \$187,177.00. At the Elmwood Wastewater Treatment Facility, ACT will replace the existing 8.0 energy efficiency ratio (EER) HVAC units with units that have an EER of 14.0. Also at the Elmwood Wastewater Treatment Facility, the EMUA will replace the existing 79% energy efficient gas fired boiler in the sludge dewatering building with 92% energy efficient gas fired boiler.

At the Woodstream Wastewater Treatment Facility, ACT will replace the existing 9.2 energy efficiency ratio (EER) HVAC units with units that have an EER of 11.5.

By installing these ECRMs, the EMUA anticipates an annual electrical savings of approximately 42,000 Kwh.

LIGHTING UPGRADES

D.P. Murt Co. was awarded the lighting upgrade contract in the amount of \$59,122.00. D.P. Murt CO. will upgrade the interior and exterior lighting fixtures at both the Elmwood and Woodstream Facilities to the most energy efficient light bulbs, fixtures and ballasts. The Elmwood Facility anticipates an annual savings of approximately 40,000 Kwh; while the Woodstream Facility is anticipated to save 18,900 Kwh annually. The lighting upgrades will reduce the EMUA's annual electric consumption by approximately 59,000 kWh.

SCOPE OF WORK

- Installation of new HVAC units at the Elmwood Wastewater Treatment Facility and the Woodstream Wastewater Treatment Facility with the highest possible Energy Efficiency Rating.
- Installation of new boiler at the Elmwood Wastewater Treatment Facility.
- Interior lighting at the Elmwood Wastewater Treatment Facility and the Woodstream Wastewater Treatment Facility: Installation of high performance T8 light bulbs with corresponding energy efficient ballasts and fixtures.
- Exterior lighting at the Elmwood Wastewater Treatment Facility and the Woodstream Wastewater Treatment Facility: Installation of energy efficient induction light fixtures.

SCHEDULE

- Estimated start date: October 27, 2011

IMPORTANT INFORMATION

- There will be no immediate effects to the public.
- All work will be completed during normal EMUA hours.

FOR MORE INFORMATION, PLEASE CONTACT

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