

## Energy Conservation Project Update – October 2017

### PROJECT INFORMATION:

ENERGY CONSERVATION MEASURE	LOCATION	CONTRACTOR
Building Weatherization	Henry Barnard School	BERetrofit
Central Plant Boiler Improvements	Central Heating Plant	GT Wilkinson
Energy Management System	Campus Wide	Siemens

<b>AMERESCO PM</b>
<b>Chris Guccione</b>

### OBSEVATIONS:

- *Hot water piping in the basement of Henry Barnard has been fully insulated.*
- *New fuel-efficient burner has been upgraded to dual fuel. It will now run on natural gas and #2 fuel oil.*
- *New valves and variable frequency drives installed at Donovan Dining Hall.*

### Energy Savings Totals

ECM	Annual Savings per ECM					
	Electricity (kWh)	Natural Gas (Therms)	Propane (Gallons)	#2 Fuel Oil (Gallons)	Water (kGallons)	Sewer (kGallons)
ECM 14A: Water Conservation - Aerators Only	0	922	0	203	242	242
ECM 14B: Water Conservation	1,030	1,425	363	313	2,263	2,263
ECM 15: Weatherization	4,343	14,016	959	2,703	0	0
ECM 18: Vending Machine Controls	40,024	-740	-17	-160	0	0
ECM 24: Efficient Motors	5,653	0	0	0	0	0
ECM 26: Transformer Replacement	130,912	0	0	0	0	0
ECM 27: WAC Timers	29,971	0	0	0	0	0
ECM 28: AHU/Rooftop Unit Replacement	3,972	222	0	0	0	0
ECM 41: Repair Heat Recovery Units	23,808	18,147	0	3,987	0	0
ECM 42: Underground Steam and Condensate Piping	0	10,238	0	2,249	536	536
<b>Grand Total</b>	<b>1,086,636</b>	<b>181,367</b>	<b>1,306</b>	<b>35,821</b>	<b>3,110</b>	<b>3,110</b>

**Henry Barnard Hot Water Piping**

September 2017



October 2017



**New Fuel Efficient Natural Gas/Oil Burner**

**September 2017 – New Burner Natural Gas Only**



October 2017 – Dual Fuel Modification Install



**New Variable Frequency Drives – Donovan Dining Hall**

