

Energy Conservation Project Update – May 2018

PROJECT INFORMATION:

ENERGY CONSERVATION MEASURE	LOCATION	CONTRACTOR
Energy Management System	Campus Wide	Siemens
Lighting System Improvements	Campus Wide	Atlantic Control Systems, Costa Companies Inc
Central Plant Improvements	Central Heating Plant	Wilkinson

AMERESCO PM

Chris Guccione

OBSERVATIONS:

- *New environmental control systems installed campus wide.*
- *Exterior walkway lighting replacement has started on the East Campus. 13 new LED fixtures are currently being installed. 101 Fixtures to be installed campus wide.*
- *Boiler control upgrades underway on boiler #4.*

Energy Savings Totals

Ecm #	ECM Name	Annual kW	Total kWh	Natural Gas (Therms)	Propane (Gallons)	#2 Fuel Oil (Gallons)	Water (kGallons)	Sewer (kGallons)	Energy Savings	O&M Savings	Total Project Savings
4	Energy Management System Upgrade/Expansion	-	320,642	56,295	-	8,944	-	-	\$ 90,694	\$ -	\$ 90,694
5A	Central Plant Boiler Improvements - All	-	18,623	27,492	-	6,040	21	21	\$ 27,810	\$ 7,000	\$ 34,810
10	Variable Frequency Drives	-	50,309	-	-	-	-	-	\$ 4,757	\$ -	\$ 4,757
14A	Water Conservation - Areators Only	-	-	922	-	203	242	242	\$ 3,048	\$ -	\$ 3,048
14B	Water Conservation	-	1,030	1,425	363	313	2,263	2,263	\$ 20,839	\$ -	\$ 20,839
15	Building Weatherization	-	4,343	14,016	959	2,703	-	-	\$ 17,227	\$ -	\$ 17,227
18	Vending Machine Controls	-	40,024	(740)	(17)	(160)	-	-	\$ 2,923	\$ -	\$ 2,923
24	Energy Efficient Motors	18.8	5,653	-	-	-	-	-	\$ 691	\$ -	\$ 691
25	Demand Control Ventilation	-	27,127	6,829	-	1,322	-	-	\$ 10,192	\$ -	\$ 10,192
26	Transformer Replacement	179.5	130,912	-	-	-	-	-	\$ 13,872	\$ -	\$ 13,872
27	WAC Timers	-	29,971	-	-	-	-	-	\$ 2,834	\$ -	\$ 2,834
29	AHU/Rooftop Unit Replacement	-	3,972	222	-	-	-	-	\$ 592	\$ -	\$ 592
40	Kitchen Hood Controls	-	60,731	14,688	-	3,227	-	-	\$ 22,524	\$ -	\$ 22,524
41	Repair Heat Recovery Units	-	23,808	18,147	-	3,987	-	-	\$ 22,985	\$ -	\$ 22,985
42	Underground Steam and Condensate Piping - WO#1	-	-	10,238	-	2,249	536	536	\$ 16,118	\$ 1,500	\$ 17,618
42	Underground Steam and Condensate Piping - WO#3	-	-	27,552	-	6,053	184	184	\$ 32,998	\$ 86,000	\$ 118,998
42	Underground Steam and Condensate Piping - WO#4	-	-	12,689	-	2,788	54	54	\$ 14,939	\$ 11,500	\$ 26,439

Photos:

New environmental control systems installed in the East Campus buildings.



New light pole foundations have been trenched for the East Campus.



Boiler Control upgrades installed on Boiler #4.



