

Energy Savings Performance Contracting

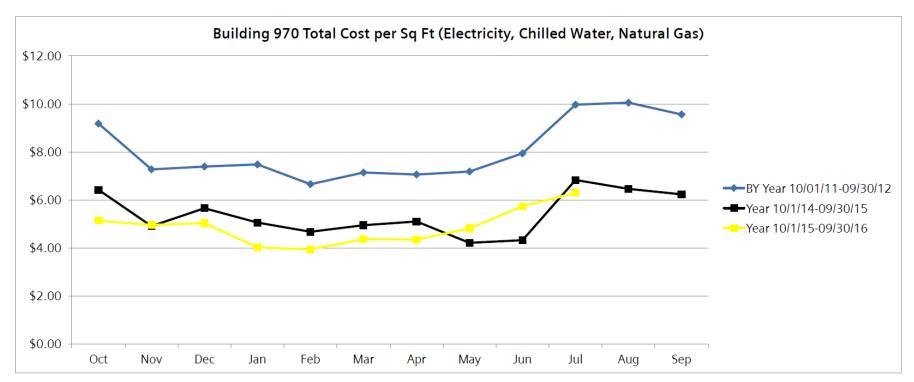
- Encouraged by Legislation (F.S. 1013.23 & F.S. 489.145)
- Means of Infrastructure Renewal
- Self Funding Process Cash Flow Positive
- Strategically Partner with an Energy Services Contractor (ESCO)
- ESCO Collaborates with University on Scope to Meet Needs
- ESCO Takes Design, Construction, and Performance Risk
- ESCO Guarantees Savings
- Savings Pays Some or All of Debt Service
- ESCO Writes Check if there is Savings Shortfall

- Designed to Improve Lab/Research Facilities on Campus
- Construction Completed June 2015
- Scope of Work and Construction Cost \$5,748,884
 - Extensive Replacement of End of Life Air Handling Units
 - Conversion of Constant Volume Air Distribution System to Variable Volume
 - Building Automation Upgrades to Accomplish Energy Savings Control
 - Occupancy Sensors Installed Throughout Facility to Set Back Lighting & Ventilation Rates
 - Water Conservation Project
 - Chilled Water Plant Optimization (Demand Flow)
- Total Guaranteed Utility Savings Over 20 Year Term \$8,297,522
- Construction Period Savings Measured \$358,840
- First Year Guaranteed Savings \$349,426
- First Year of Savings Measured \$356,412
- First Year Excess Savings Above Guaranteed Amount \$6,986

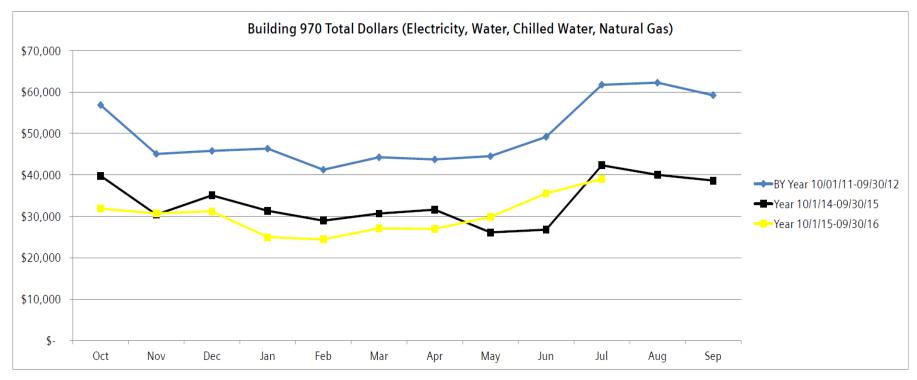


←Old Exhaust

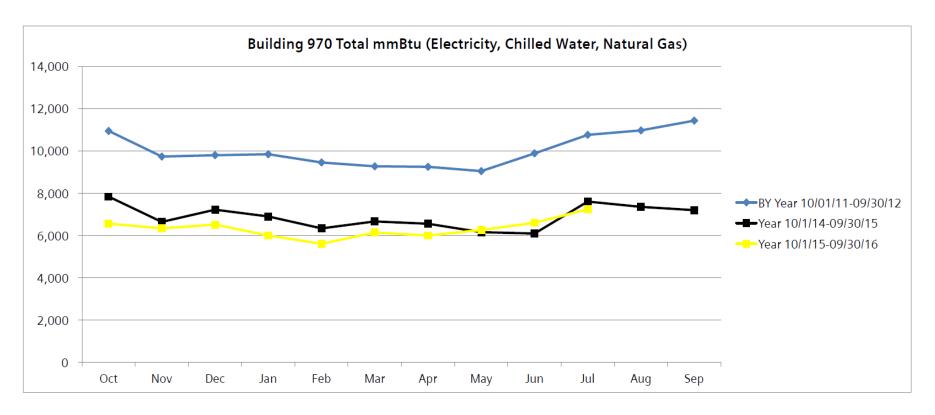
New Exhaust →



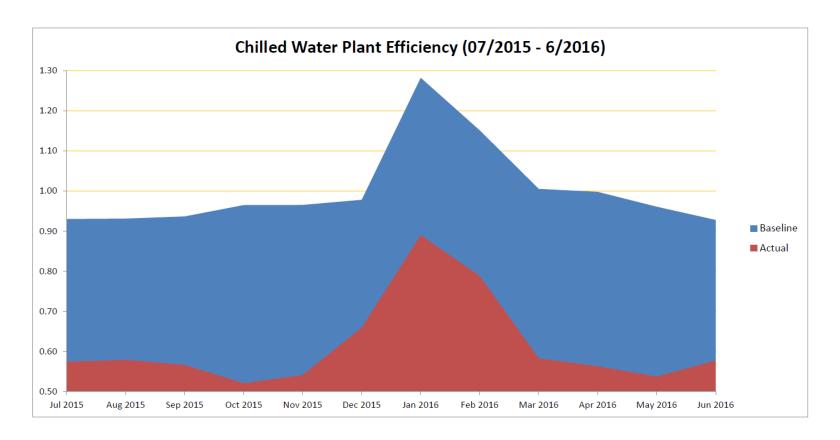
													Annual	Average Jul-
Date	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Average	Dec
BY Year 10/01/11-09/30/12	\$9.18	\$7.27	\$7.39	\$7.48	\$6.66	\$7.14	\$7.06	\$7.18	\$7.94	\$9.97	\$10.05	\$9.56	\$8.07	
Year 10/1/14-09/30/15	\$6.42	\$4.91	\$5.65	\$5.05	\$4.67	\$4.95	\$5.10	\$4.21	\$4.32	\$6.83	\$6.46	\$6.23	\$5.40	\$5.70
Year 10/1/15-09/30/16	\$5.14	\$4.95	\$5.04	\$4.02	\$3.94	\$4.37	\$4.35	\$4.81	\$5.73	\$6.29			\$4.86	\$5.16



Date	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	Jul-Dec
BY Year 10/01/11-09/30/12	\$ 56,879	\$ 45,064	\$ 45,797	\$ 46,345	\$ 41,249	\$ 44,252	\$ 43,736	\$ 44,509	\$ 49,192	\$ 61,771	\$ 62,273	\$ 59,240	\$600,308	
Year 10/1/14-09/30/15	\$ 39,780	\$ 30,420	\$ 35,041	\$ 31,326	\$ 28,948	\$ 30,654	\$ 31,615	\$ 26,114	\$ 26,771	\$ 42,321	\$ 40,015	\$ 38,623	\$401,630	\$ 424,091
Year 10/1/15-09/30/16	\$ 31,827	\$ 30,694	\$ 31,218	\$ 24,937	\$ 24,409	\$ 27,074	\$ 26,956	\$ 29,823	\$ 35,543	\$ 39,002			\$301,483	\$ 383,441



Date	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	Jul-Dec
BY Year 10/01/11-09/30/12	10,957	9,745	9,813	9,854	9,466	9,282	9,260	9,057	9,898	10,774	10,983	11,446	120,536	
Year 10/1/14-09/30/15	7,847	6,652	7,233	6,911	6,343	6,675	6,566	6,168	6,103	7,612	7,361	7,206	82,679	87,110
Year 10/1/15-09/30/16	6,571	6,345	6,526	6,010	5,620	6,150	6,011	6,269	6,614	7,247			63,363	78,295



Period Average									
Baseline	0.96	KwT							
Actual	0.58	KwT							
Change	40%								