

Design, Construction and Retrofit Strategies

Lighting	Quantity of Time that Measure will be in place (years)	2013-14		2014-15		2015-16		2016-17		2017-18		2013/14-2017/18
		Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Total Accumulated Energy Savings (ekWh)
High Efficiency Lighting Systems (T-8, T-5, CFL, LED ...)	15	\$ 50,000	49,383	\$ 100,000	98,765	\$ 100,000	98,765	\$ 100,000	98,765	\$ 100,000	98,765	1,234,568
Daylight Sensors	10	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Outdoor Lighting	15	\$ 10,000	9,877	\$ 10,000	9,877	\$ 10,000	9,877	\$ 10,000	9,877	\$ 10,000	9,877	148,148
Occupancy Sensors	10	\$ 5,000	7,407	\$ 5,000	7,407	\$ 5,000	7,407	\$ 5,000	7,407	\$ 5,000	7,407	111,111
Daylight Harvesting	10	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Other (Describe)		\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
HVAC	Quantity of Time that Measure will be in place	2013-14		2014-15		2015-16		2016-17		2017-18		2013/14-2017/18
		Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Total Accumulated Energy Savings (ekWh)
Efficient Boilers (near condensing)	30	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
High Efficiency Boilers (condensing)	15	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
High-efficiency boiler burners	10	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Geothermal	15	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Heat recovery/enthalpy wheels	30	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Economizers	15	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Energy efficient HVAC systems	30	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Energy efficient Rooftop units	15	\$ 50,000	19,791	\$ 50,000	19,791	\$ 50,000	19,791	\$ 50,000	19,791	\$ 50,000	19,791	296,868
High Efficiency Domestic Hot Water	15	\$ 50,000	102,751	\$ 50,000	102,751	\$ 50,000	102,751	\$ 50,000	102,751	\$ 50,000	102,751	1,541,267
Efficient Chillers and Controls	25	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
High-efficiency motors	20	\$ 10,000	4,938	\$ 10,000	4,938	\$ 10,000	4,938	\$ 10,000	4,938	\$ 10,000	4,938	74,074
VFD	15	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Demand Ventilation	10	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Entrance Heater Controls	20	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Other (Describe)		\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Controls	Quantity of Time that Measure will be in place	2013-14		2014-15		2015-16		2016-17		2017-18		2013/14-2017/18
		Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Total Accumulated Energy Savings (ekWh)
Building Automation Systems - New	10	\$ 20,000	15,833	\$ 20,000	15,833	\$ 20,000	15,833	\$ 20,000	15,833	\$ 20,000	15,833	237,494
Building Automation Systems - Upgrade	10	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Other (Describe)		\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Building Envelope	Quantity of Time that Measure will be in place	2013-14		2014-15		2015-16		2016-17		2017-18		2013/14-2017/18
		Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Cost of Implementation	Estimated Annual Energy Savings from all projects (ekWh)	Estimated Total Accumulated Energy Savings (ekWh)
Glazing	30	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Increased Wall Insulation	50	\$ 10,000	4,652	\$ -	-	\$ -	-	\$ -	-	\$ -	-	23,260
New Roof	25	\$ 1,900,000	176,777	\$ 1,500,000	139,561	\$ 1,500,000	139,561	\$ 1,500,000	139,561	\$ 1,500,000	139,561	2,279,494
New Windows	30	\$ 150,000	34,890	\$ 150,000	34,890	\$ 150,000	34,890	\$ 150,000	34,890	\$ 150,000	34,890	523,353
Treatments	10	\$ 50,000	93,041	\$ 50,000	93,041	\$ 50,000	93,041	\$ 50,000	93,041	\$ 50,000	93,041	1,395,608
Shading Devices	30	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	-
Other (Ceiling-Attic Insulation)		\$ 30,000	897,531,788	\$ 30,000	897,531,788	\$ 30,000	897,531,788	\$ 30,000	897,531,788	\$ 30,000	897,531,788	13,462,976,814

Design, Construction and Retrofit Strategies Total		\$ 2,335,000	898,051,128	\$ 1,975,000	898,058,642	\$ 1,975,000	898,058,642	\$ 1,975,000	898,058,642	\$ 1,975,000	898,058,642	13,470,842,061
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