

PROJECTED ENERGY CONTROL MEASURE IMPLEMENTATION SAVINGS

MIDLAND PARK HIGH SCHOOL				
Energy Control Measure	Estimated Construction Cost	Projected Annual Energy Savings	Projected Annual Energy and Maintenance Cost Savings	Simple Payback (Years)
Lighting and Lighting Controls	\$121,000	46,052 kWh	\$ 7,369.00	16.4
Unit Ventilator Replacements	\$242,000	3,733 therms	\$ 7,128.00	33.9
HVAC Control Replacement with DDC	\$363,000	4,500 therms, 20,000 kWh	\$ 13,560.00	26.7
Window A/C Unit Replacement	\$12,000	7,500 kWh	\$ 1,170.00	10.2
Roofing Replacement	\$2,200,000	1,817 therms 618 kWh	\$ 2,495.00	881
Window Replacements	\$155,000	1,118 therms 11,399 kWh	\$ 3,254.00	47.6
Vending Machine Power Management	\$1,750	1,282 kWh	\$ 1,000.00	1.8
			\$ 35,976.00	

MIDLAND PARK HIGHLAND ELEMENTARY SCHOOL				
Energy Control Measure	Estimated Construction Cost	Projected Annual Energy Savings	Projected Annual Energy and Maintenance Cost Savings	Simple Payback (Years)
Lighting and Lighting Controls	\$ 28,000.00	7,594 kWh	\$ 1,956.00	14.3
Unit Ventilator Replacements	\$ 242,000.00	n/a	n/a	n/a
HVAC Control Replacement with DDC	\$ 195,000.00	3,500 therms, 10,000 kWh	\$ 11,660.00	16.7
Window A/C Unit Replacement	\$ 7,000.00	4,500 kWh	\$ 765.00	9.2
Boiler Replacement	\$ 188,000.00	1,540 therms	\$ 2,402.00	78
Hot Water Conversion	\$ 500,000.00	7,800 therms	\$ 20,000.00	25
Window Replacements	\$ 201,000.00	2,086 therms 13,038 kWh	\$ 4,788.00	42
Vending Machine Power Management	\$ 350.00	256 kWh	\$ 200.00	1.8
			\$ 41,771.00	

Converting to Hot Water will offer both energy and operational savings by eliminating the need to maintain steam traps and will provide improved temperature control

MIDLAND PARK GODWIN ELEMENTARY SCHOOL				
Energy Control Measure	Estimated Construction Cost	Projected Annual Energy Savings	Projected Annual Energy and Maintenance Cost Savings	Simple Payback (Years)
Lighting and Lighting Controls	\$ 75,000.00	13,798 kWh	\$ 3,876.00	14.3
Unit Ventilator Replacements	\$ 176,000.00	3,200 therms	\$ 6,016.00	29.3
HVAC Control Replacement with DDC	\$ 95,000.00	1,500 therms, 4,500 kWh	\$ 5,175.00	18.4
Window A/C Unit Replacement	\$ 5,000.00	3,000 kWh	\$ 468.00	10.7
Roofing Replacement	\$ 132,000.00	727 therms- 485 kWh	\$ 1,035.00	128
Window Replacements	\$ 170,000.00	745 therms 2,980 kWh	\$ 1,448.00	117
Vending Machine Power Management	\$ 350.00	256 kWh	\$ 200.00	1.8
			\$ 18,218.00	