

Energy Performance Contract

Homer Central School District



Energy Performance Contract
Preliminary Proposal
Tuesday February 7, 2012



Project Opportunity

Project Cost: \$2,240,000

Project Savings: \$145,000

Itemized Building Cost & Savings

	Cost	Savings
Senior HS	\$296,000	\$11,000
Intermediate/JH	\$559,000	\$35,000
Hartnett ES	\$355,000	\$32,000
Homer ES	\$760,000	\$53,000
BG/Music Bldg.	\$270,000	\$14,000



Project Financial Summary

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Project Estimated Cost	(\$2,240,000)
<u>Year 1 Data</u>	
Annual Project Cost	(\$215,077)
Performance Assurance (Monitoring & Verification)	(\$19,852)
Grants	\$51,407
Guaranteed Annual Energy Savings	\$145,000
Building Aid (77.9%)	\$166,705
Year 1 Net Benefit	\$116,207
18 Year Cumulative Net Benefit (after all costs)	\$1,662,025



Facility Improvement Measures (FIM's)

The following is a list of FIM's that can be supported through an Energy Performance Contract. The final audit will determine the actual list of Improvements that can be implemented under this program.

FIM-1: Lighting Improvements (All Schools)

FIM-2: Weatherization and Insulation (Hartnett ES, Homer ES and Bus Garage / Music Bldg.)

FIM-3: Walk-in Cooler/Freezer Control System (All Schools except Hartnett ES. and Bus Garage / Music Bldg.)

FIM-4: Energy Management System (All Schools except Hartnett ES)

FIM-5: Server/Desktop Virtualization (All Schools except Bus Garage / Music Bldg)

FIM-6: Vending Controls (Senior HS and Intermediate / Jr. HS)

FIM-7: Energy Awareness

FIM-8: Provide Variable Speed Drives on Hot Water Pumps (Intermediate / Jr. HS)

FIM-9: Replace Electric Dishwasher Booster Heater with New Natural Gas Unit (Senior HS and Homer ES)

FIM-10: Steam Trap Repair (All Schools except Intermediate / Jr. HS.)

FIM-11: Replace Electric Motors with Premium Efficiency Motors (All Schools)

FIM-12: Replace Hot Water Unit Heaters with Radiant Heating System (Bus Garage)

Measures To Be Determined

FIM-13a: Replace Steam Heating System Including Boilers with New Hot Water Heating System (Hartnett ES.) OR

FIM-13b: Replace Steam Boilers and 19 Classroom Unit Ventilators in 1974 wing with New High Efficient Steam Boilers and New Unit Ventilators with DDC temperature controls (Hartnett ES.)

FIM-14: Renewable Energy

Questions?

Homer Central School District

