



April 11th, 2014

Acton Boxboro Schools

ATTN: Kate Crosby

RE: Energy Efficiency Improvements at Acton Boxboro High School

Horizon Energy Services is pleased to quote the new AC unit in the MDF Closet of the high school. Labor and installation rates are based on prevailing wages set forth by State of Massachusetts.

EEM	Location / EEM Description	Total	NSTAR Rebate	Total Less Rebate	kWh Savings	Electric Savings	Simple Payback
EEM #1	Installation of 3.5 ton ductless mini split AC unit in High School MDF room	\$ 16,056	\$ 8,028	\$ 8,028	\$ 44,764	\$ 3,581	2.2

Existing Conditions

Currently the MDF room is cooled by a Liebert 6 Ton AC along with a 2 ton mini split. Using circuit level metering data, the load of the MDF room can be carried for 10 months/year using a 3.5 Ton mini split unit. Circuit level metering indicates that the existing Liebert is running continuously throughout the year. Based on staff feedback, the MDF room load will be decreasing over time.

Proposed Conditions

Horizon proposes to replace the existing 2 ton mini split AC with a 3.5 ton unit. This new unit would carry the MDF rooms cooling needs for approximately 10 months/year. The existing Liebert unit would remain in place and would be turned on in July and August and shut off the remainder of the year.

Work to be done on normal business hours

If you have any questions please contact me at any time my cell # is 401-265-1284.

Thank you

Tony Parente