



Summarized Potential Projects	Sum of \$
Central Plant	\$727,800.00
<p>Is the HVAC equipment scheduled?</p> <p>HVAC equipment should be scheduled to run as needed during occupied hours and setback when demand is not present.</p>	\$40,000.00
<p>Chilled water supply temperature reset</p> <p>Is the chilled water setpoint variable or constant?</p> <p>Adjusting the discharge chilled water setpoint out of the chiller up will reduce energy use; reset the temperature upward when demand allows.</p>	\$300,000.00
<p>Heating water supply temperature reset</p> <p>A heating water supply temperature reset saves energy by increasing boiler efficiency. This is most true with condensing boilers and less so with non-condensing boilers. As building heating demands decrease, the heating hot water supply temperature can be decreased and still meet heating loads. A reset is typically controlled to an outside air dry-bulb temperature.</p>	\$52,800.00
<p>Is a program in place to perform regular steam trap auditing?</p> <p>Leaking steam traps are a hidden area for energy loss. Proactive routine maintenance is a great way to avoid this issue.</p>	\$100,000.00
<p>Are the air filters clean?</p> <p>Routine maintenance of air filters allows consistent airflow through clean filters, lowering fan energy.</p>	\$115,000.00
<p>Has an air balance been performed recently?</p> <p>Air balances help ensure the proper amount of air is moving to the correct space. This allows the energy to be more productive by using the conditioned air where it is needed.</p>	\$120,000.00
General	\$270,000.00
<p>Are outside air requirements based on CO2 readings or a set consistent volume?</p> <p>Providing outside air to meet CO2 minimums prevents excess outside air from entering the building, which reduces heating and cooling requirements during seasonal temperatures.</p>	\$25,000.00
<p>Are LED lights installed throughout the facility?</p> <p>T12 < T8 < T5 < LEDs</p>	\$245,000.00
Mechanical Room	\$457,213.00
<p>Are the pipes insulated?</p> <p>It is recommended that both heating and chilled water pipes are insulated. Any damaged insulation should be fixed to avoid heat transfer.</p>	\$40,000.00

<p>Are air compressors operating, and are they required?</p> <p>Air compressors often run 24 x 7 to provide compressed air that may only be required at certain parts of the day. Minimizing unnecessary run times and checking for air leaks can minimize the energy impact. A VFD could also be used to back down compressors when minimally required. Additionally, methods of operation without air compressors could be investigated to make this equipment unnecessary altogether.</p>	\$5,000.00
Steam leak in Weinberg humidifier AHU	\$154,000.00
Raise temperature in mech/elec rooms -	\$257,300.00
ATU-12 incorrect setpoints causing excessive reheat. Potential for Fault Detection Software	\$913.00
Office Areas	\$365,667.00
<p>Are the lights OFF when not in use?</p> <p>Occupancy sensors can help keep lights off when not required.</p>	\$121,725.00
<p>Are mini-refrigerators present in the office spaces?</p> <p>Central refrigerators in areas can be much more energy efficient than multiple mini-refrigerators.</p>	\$11,942.00
<p>Are computers/monitors in sleep mode when not in use?</p> <p>Sleep mode can be programmed in to reduce energy during inactive hours.</p>	\$120,000.00
<p>Are visual reminders posted near or in the office areas to keep energy and sustainability "top of mind"?</p>	\$8,000.00
<p>Is the thermostat set to a reasonable seasonal temperature?</p> <p>In cooling season, 74 deg. F is recommended, and in heating season, 68 deg. F is recommended for temperature setpoints during occupied hours.</p>	\$104,000.00
Operating Rooms	\$68,321.92
<p>Is a ventilation schedule implemented that considers unoccupied times?</p> <p>Operating rooms require a much higher rate of air changes when in use. During unoccupied times, outside air can be reduced to normal space type and ramped up when the operating room is required for use.</p>	\$68,321.92
Outpatient Unit	\$58,480.00
<p>Are the lights OFF when not in use?</p> <p>Occupancy sensors can help keep lights off when not required. This can be especially true for private restrooms within the area.</p>	\$58,480.00
Storage Areas	\$100,600.00
<p>Do the storage rooms seem overly bright?</p> <p>Energy could be saved by de-lamping incandescent lights, while still providing adequate light.</p>	\$87,430.00
Do leaks need to be repaired for any of the plumbing fixtures?	\$13,170.00
Grand Total	\$2,048,081.92