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To: Angelita Surage <asurage@mssd14.org> **Bcc:** Tim Miller <tmiller@mssd14.org>
Date: 08/18/2010 02:00 PM
Subject: Possible Energy Projects

Hello,

Here are some possible projects that would improve energy efficiency or add renewables:

1. HS - small PV system and some lights for the sign in the North driveway area,
2. HS - change parking lot lights to induction or LED,
3. SILC - change lights in SILC atrium to induction or LED,
4. HS - change single pane windows (server room, doors, etc.) with double pane low-e windows,
5. MS - add some insulation under the metal shed roofs (perimeter classrooms) with spray foam with fire retardant,
6. Bus Barn - replace water heater with instant or on-demand heater,
7. MS - close up the hole in the NW corner of the gym (was a ventilation fan in the storage area),
8. All - add lighting occupancy sensors to those areas where there are four (4) or more light fixtures and the wiring is accessible,
9. ES - solar hot water system to preheat the kitchen water,
10. HS - solar hot water system to preheat the water for boys' locker room (at end or recirculation line),
11. HS - low-e window film on East classrooms and commons windows,
12. HS - change boiler piping and controls to allow for a single boiler to operate at a time,
13. All - add water conservation items,
14. HS - build a weather station for wind and solar data,
15. All - replace CFLs with LED lamps,
16. I can work on other lists later,
17. Don't forget the removal of all personal electric items from classrooms.

Thanks,
Jerry