

Hartland Energy Committee Meeting Minutes
Hartland Elementary School, Hartland, VT
November 20, 2008

Attendees: Peter Allison, Judy Callens, John Crossley, Karl Kemnitzer, Jeem Peterson & Rob Sangster

Meeting called to order: 7:10PM

Old Business:

- No Old Business covered

New Business:

- School Energy Profile
 - HEC recognizes the challenge of best expressing what the school has been doing to control energy costs and is willing to help HES in this.
 - There are 3 2009 budget projects that HES is planning
 - Paving
 - Lighting
 - PA system replacement
 - First draft of budget is finished
 - Capital reserve and further reductions may be possible.
- Major options for further energy improvements to HES
 - Ceiling windows
 - Windows are already double pane & wood frame
 - Any replacement project must consider ventilation
 - Air Conditioning
 - Only computer lab & offices are air conditioned
 - Insulating layer
 - Insulation would affect aesthetics of the school exterior
 - Cost could be prohibitive
 - Solar systems
 - Cost comparison on solar hot water against tankless water heaters is needed
 - Boilers are already on an outside temperature set-back thermostat
 - Heat zones need to be examined
 - K-4 hallway is cold.
 - Install soft-starting motors for HVAC, water pumps, refrigeration
 - Are efforts to setback temperatures being diminished by the increased start-motor energy peaks?
 - Refrigerators & other appliances may be tested with kilowatt-meter.
 - Full shut-down on appliances/electronics
 - Computers are already being fully shut off
 - Waste-paper reduction
 - Student Council proposed "A day without paper"
 - What would it take to reduce the school's paper consumption by 10%?
 - Involving Mike (head of Maintenance)
 - Earlier HEC meeting times are needed for Mike to attend.
 - Alternatively, assign a liaison
 - Employee habit change
 - Student food choices
 - Children interviewing another generation concept
 - Grant availability
 - Staff does not have enough time to respond to grants
 - Someone from HEC could work with HES to research, write & secure grants.

Next Meeting: Thursday, December 18, 2008

Meeting adjourned 8:34PM