

ENERGY ADVISORY COMMITTEE – April 27, 2011
BARKHAMSTED TOWN HALL

Attendees: Don Stein, Scott Lefcheck, Andrea Fancher, Ray Pech, Jeff Linton

Absent: Dan Pinton, Mike Schulde, Tom Cook, Tom Nelson, Storm Connors, Jim Becketl

The meeting was called to order at 7:00 PM.

Minutes from the October 19, 2010 meeting were reviewed and accepted with no changes.

The attached summary of the expenditures to-date on the project was reviewed with the committee members present. Don Stein and Jeff Linton will be obtaining quotes for the school and town hall projects. Once this information is available, the committee will meet to determine how best to spend the remaining funds (\$25,932).

Jeff Linton presented the Energy Awareness Program and the results of the student participation. The summary of the program is also attached. Jeff also provided a summary of the projects being considered, which will be going out to bid shortly. They include weather stripping of exterior doors, painting interior walls that face the outside with a thermal barrier paint, and replacing school window blinds with double cell insulating blinds.

The committee also reviewed an opportunity to receive free photovoltaic (solar) electric units that can be installed on town buildings, the firehouses and properties owned by non-profit organizations in town. Andrea Fancher and Scott Lefcheck will survey the various buildings that are eligible and report back to the committee. Once that is done, we will determine which buildings are appropriate and fill out the application that will start the process of installing the PV arrays.

The next meeting will be scheduled to finalize the upcoming projects and to review the data relative to the PV installations.

Respectfully submitted,

Donald S. Stein
First Selectman

Energy Grant Summary – April 27, 2011

Conservation Programs (newsletter, school programs)		\$11,41.00
Spent	\$682.60	
Balance		\$458.40
Energy Audits (18 paid, 15 still on list)		\$7,125.00
Spent	\$925.00	
Balance		\$6,200.00
Retrofits (Town Hall furnace control; Senior Center windows)		\$27,346.00
Spent	\$10,752.00	
	<u>-\$2,500.00</u>	
Balance	\$8,252.00	\$19,274.00
TOTAL PROJECT		\$45,206.00
TOTAL BALANCE		\$25,932.00

- Still Planned:

- school energy projects
- Town hall insulation

- For Discussion:

- photovoltaic arrays for town and non-profit buildings

January-February 2011 Energy Awareness Months at The Barkhamsted School

Objective- for students to learn about energy sources, uses of energy and saving energy at school, home and in our community.

The schedule of events for the months included:

January 4 at a kickoff assembly for students in grades 3-6 Superintendent Jeff Linton and North West Conservation consultant Tony Mitchell introduced the theme of energy awareness and conservation and set the stage for activities to follow.

January 11 Wesson Energy Inc. presented the House of Pressure, a thermal imaging exhibit and discussed with students ways to save energy at home and school during grade level assemblies.

January 18 during the week students became Energy Detectives using energy scavenger hunts at school and at home. Also parents received a packet from their students that had energy tips, as well as, information on the town of Barkhamsted's "free" home energy audit located on the town web site.

February 2011 ending assemblies by grade level, "What Do We Now Know About Energy?" These are produced below and on the back of this page.

Each class produced a chart with information about:

- What they learned about energy and conservation of energy?
- What students observed in their classroom or the school for potential energy savings?

"What Our Students' Observed In Our School for Potential Energy Savings in 2011"

Grade 3

- 1) Do we really need a light over the cabinet?
- 1) Put computers on timers (Grades 3 & 6)
- 2) When sunny, only use 1 bank of lights; use solar power instead
- 3) Purchase window blinds that are energy efficient
- 4) Motion detector for gym
- 5) There is a space under the outside doors by our classroom
- 6) Turn water off completely after washing hands

Grade 4

- 1) Missing or damaged ceiling tiles should be replaced to help insulate the classroom
- 2) Student helpers should be assigned to shut down computers each day
- 3) Be sure the projector light is turned off when not in use
- 4) Hallway lights should be turned off as soon as the wing of the school is cleaned for the night
- 5) When not in use, we turn off computers and Smart Board projector (Grades 4 & 6)
- 6) Our outdoor exit doors should have better weather stripping
- 7) Look into using solar panels to provide some energy as Regional #7 High/Middle School
- 8) Turn lights off on sunny days and when not in classroom
- 9) Only turn speakers on when needed

Grade 5

- 1) Outside doors for Mrs. Connole, Ms. Keiser and Mr. Kidd need weather stripping
- 2) Fix crack on outside wall in Mr. Kidd's room
- 3) Shut some lights off when it is bright enough with outside sun light

Grade 6

- 1) Check caulking on windows
- 2) Inside lobby doors are drafty (all inside doors)
- 3) Seal ceiling tiles (They curve at corners allowing heat out)
- 4) Lower light sensor time
- 5) Some cement bricks and floor tiles are cracked
- 6) Turn down heat when room is not used
- 7) Check windows drafts