



# Hollis Energy Committee 2013 Accomplishments

Hollis Board of Selectmen established the Hollis Energy Committee (HEC) in September of 2009 with a mission to promote energy conservation and efficiency through sustainable energy practices.

## **The Hollis Energy Committee accomplishments to date:**

### **1. Lighting Upgrade Project**

The comprehensive lighting upgrade was performed on all municipal and school buildings located in Hollis. This effort resulted in saving \$63,900/year for Hollis. This project was accomplished with Federal grants and PSNH interest free loans paid back from the savings.

### **2. Electricity Power Purchase Agreement (PPA)**

In addition, in 2011, HEC assisted the Town in evaluating a power purchase agreement with HESS Corporation. The Town's participation resulted in a reduction of electrical cost to the town and school districts by more than \$64,000 per year. The PPA is renewed in 2012 and again 2013 and we continue to save \$64,000/year for Hollis.

**Thus, the resulting annual energy savings residents of Hollis Town are continuing to enjoy totals to \$128,000 per year, all achieved with zero additional tax burden to Hollis residents.**

### **3. Investment Grade Building Audit Project**

In 2012, investment grade audits were done in accordance with the ASHRAE Level III standards on seven Town buildings and all five school buildings located in Hollis. Computer simulation models were developed in order to evaluate potential energy efficiency measures. The detailed reports were developed to allow the various entities (Town administration, school administration, and Hollis Energy Committee) to proactively plan for future improvements. These audits were completely funded by \$70,000 Federal grant with no local tax impact to Hollis residents.

## **Projects Under Consideration in 2013:**

### **1. Geothermal implementation with an integrated heating & cooling system for Hollis Police Department**

The current system consists of a single liquid propane-fired boiler and two suspended gas-fired air convention heaters, and the cooling system consists of nine air-condensing units, and two water circulations pumps. All these units are at or past their recommended life and are becoming increasingly expensive to maintain. The Hollis Energy Committee is reviewing proposals for a geothermal solution with an integrated and efficient heating, cooling and air-management system. Funding options are being considered that will require a minimum or no investment. If this solution is successfully implemented, the solution will be considered for other municipal and school buildings where feasible, thus reducing or eliminating our dependence of fossil fuels.

### **2. Bring Natural Gas source into center of Hollis town**

Hollis Energy Committee and Selectmen Mark Ledoux are exploring the possibilities of bringing natural gas connections into the center of Hollis in order to supply the major Town and School buildings.



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*Promoting energy conservation and sustainable energy generation for Hollis*

The HEC meets the first Monday of each month at 12pm in the Town Hall Community Room (excluding holidays). The Board of Selectmen authorized the committee to have up to seven (7) members and two (2) alternate members. **The HEC now has five (5) members and looking to fill the still open positions. Active participation is welcome by anyone in our community interested in the HEC's mission and goals.** The future plans continue the HEC's mission of "*Promoting energy conservation and sustainable energy generation for Hollis*".

### **Hollis Energy Committee**

Brooke Arthur  
Troy Brown  
Mike Leavitt  
Christian Heiter  
Venu Rao (Chair)