

Hollis NH Energy Committee Year End Report 2017

Hollis Energy Committee Mission:

The Hollis Energy Committee (HEC) was formed in 2009 with the stated goal to “promote energy conservation and efficiency through sustainable energy practices throughout the Town of Hollis”. Throughout the history of the HEC the committee has been active in saving Hollis taxpayers’ money and moving the town toward a sustainable energy future. The HEC meets on the first Monday of the month in the Town Hall at 7pm or as posted on the town web site.

This year the HEC has voted to amend our mission statement to set a goal of 100% sustainable energy in all town buildings by the year 2050. This goal follows the lead of hundreds of cities and towns around the world and the Sierra Clubs [Ready for 100](#) program. As town owned building systems approach end-of-life or are no longer cost effective, the HEC will assist in reviewing sustainable alternatives. The HEC monitors the energy use of all town buildings and will draw on consultants as needed when projects become imminent. The HEC informs residents of sustainable energy technologies that keep the energy dollars here in NH.

- HEC Mission Objectives:
 - Save Hollis Taxpayers money thru wise and timely investment in sustainable energy and improvements in efficiency
 - Inform Hollis residents of applicable sustainable energy and efficiency technologies
 - 100% sustainable energy by the year 2050

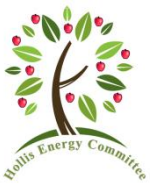
2017 Projects and Results

Hollis Elementary and Primary School 100KW Solar Electric System

Voters approved energy efficiency improvements at the SAU41 buildings in Hollis at the March 2017 meetings. The aging oil heating systems were in danger of imminent failure and the HEC helped the school board to propose energy efficient Air-Source Heat Pumps and two 100kW solar PV rooftop systems. The solar PV systems were installed over the summer and just recently went online. The efficiency improvements will continue in 2018 and the HEC will continue our participation in the review process to ensure cost-efficient solutions are installed. Lighting upgrades to LEDs will provide an improved learning environment as well as saving money and reducing the energy required.

Hollis Old Homes Days and Community Solar Symposium

The HEC secured a donation from the Merrimack Home Depot to give away 52 efficient LED light bulbs at the Hollis Old Homes Days in September. We demonstrated rooftop solar systems and provided literature on the many sustainable energy solution available to homeowners. A Community Solar Symposium was held in November and open to all town residents. The symposium featured an Energy Auditor and the owner of the Tolemac solar farm here in Hollis. An article by HEC chair Eric Ryherd on the cost savings of LED bulbs was printed in the September issue of the HB Journal.



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Hollis Brookline High School Solar Scoreboard

The HBHS athletic department obtained quotes to add a scoreboard to the lacrosse field of over \$12,000. Much of the cost was associated with trenching and driveway repair to bring electricity to the scoreboard. The HEC provided an alternative solution of using a small solar panel and battery to power the LED scoreboard saving the town \$9,000. HEC members volunteered their time to not only design and specify the components but also built and tested the scoreboard in August. A news article on the project appeared in the August 18 issue of the Hollis Brookline Journal.

Town Hall and Police Station Biomass heating systems

The town hall and Police station continue to use their wood pellet heating systems which utilize locally produced wood pellets to heat these two important town buildings. The HEC will be reviewing the savings and reduction in greenhouse gas emissions in 2018.

My Energy Portfolio tracking

The HEC has begun reviewing the energy data on all sixteen Hollis town buildings via the [EnergyStar.gov](https://energy.gov/energyportfolio) Energy Portfolio Manager. The HEC will utilize this data to track the improvements in energy efficiency of each building and identify where we should focus our attention. Historical data from 2009 onward has been captured but the data was sparsely filled in after 2015 but is now being brought up-to-date. We expect the data help us drive energy efficiency improvements and to track that the investments in efficiency are yielding the desired savings.

2018 Planned projects

- Ongoing improvements and tracking of energy use at all Hollis Town buildings
- Involvement with the Solar PV systems and energy efficiency improvements at HUES and HPS
- Greenhouse education solar project at the middle school
- Propose zoning changes to encourage solar farming
- Street Lighting upgrades & investigate electric police vehicles
- Building code update to improve efficiency of all new construction and renovation
- Outreach information sessions on sustainable energy technologies for residents

Hollis Energy Committee Members

The Hollis Energy Committee consists of 7 regular members and 2 alternates. A minimum of 4 members constitute a quorum to conduct a meeting.

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| 1. Eric Ryherd (Chair as of July) | 2. Mike Leavit (Secretary) |
| 3. Venu Rao (former chair) | 4. Paul Happy |
| 5. Woody Hayes | 6. Adam Jacobs |
| 7. Peter Band (Select Board rep) | 8. Eitan Zeira (alt) |
| 9. Mike Secules (alt) | |