



NRPC

Climate & Energy Workshop

Hollis Energy Committee

Sharing the Successes

September 10, 2013

Outline of this Presentation



- Initial energy efficiency steps HEC has taken
- Projects HEC has undertaken
- Savings to the tax payers
- Issues faced with Town and School Boards
- Strategies for cooperation with Town and School Boards
- Lessons learned and our suggestions

Hollis Energy Committee (HEC)



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

Initial energy efficiency steps



- As a first task HEC collected usage data for electricity, gas and oil for the last two years
- Using this usage data, NRPC helped us set up an EPA Portfolio Manager and created an “Energy Action Plan”.
- Made us realize the magnitude of Energy Efficiency scope of work for the town and school buildings
- HEC maintains EPA Portfolio Manager and it is current with electricity, gas and oil usage data

Projects HEC has undertaken

Project One



First act of Energy Efficiency – Lighting upgrades

- March 2011 – \$143,000 in grants from the Energy Efficiency Conservation Block Grant Program
- March 2011 – \$192,272 Smart Start Interest free loan from PSNH (paid back from Energy Savings)
- March 2012 - \$13,336 Grant from RGGI

Projects HEC has undertaken

Project One



Lighting Upgrade

- Reduced the electrical load by 406,548KWh per year, resulting in savings of \$63,900.00/yr.
- Reduce the production of carbon dioxide by 540,000 pounds.

Projects HEC has undertaken

Project Two



Power Purchase Agreement

- Worked with NRPC and the twelve towns to save \$0.023/KWh by signing PPA with Hess Corp.
- Hollis savings is \$64,300/yr.
- Across the entire NRPC was 425,000/yr.
- NRPC was highly instrumental in the success of this effort

Savings to the tax payers



- Hollis savings per year:

Project	Town	HSD	HB Coop	Total
Lighting Upgrade	\$8,100	\$24,700	\$31,100	\$63,900
Power Purchase Agreement	\$9,300	\$20,000	\$35,000	\$64,300
Total Savings for Hollis	\$17,400	\$44,700	\$66,100	\$128,200

Not a single taxpayer dollars was used to realize these savings

Projects HEC has undertaken

Project Three



Investment Grade Energy Audits

- March 2011 - \$70,000 in grants from the Energy Efficiency Conservation Block Grant Program
- All major buildings in Hollis were audited
- Detailed reports for each building showing
 - Energy efficiency measures for improvement
 - Implementation plans
 - Savings payback
- Audit reports provide “Shovel Ready” projects seeking future grants
- Audit Reports are very helpful to Budgeting process

HOLLIS ENERGY COMMITTEE



We are only just getting started

But,

What we had to go through to get here

HEC Issues faced With Boards



It is not an easy task to cultivate various Boards

1. Hollis Board of Selectmen
2. Hollis Budget Committee
3. Hollis School Board
4. COOP School Board
5. COOP Budget Committee
6. SAU41 School Board
7. SAU41 Administration

HEC Strategies for Cooperation



- Public Opinion usually shapes the elected leaders decisions
- Established Outreach Subcommittee of six members and used,
- Feb 2010 - \$1350 grant from the New England Grassroots Environment Fund to promote energy efficiency programs in the Town
- Conducted energy efficiency and sustainable energy workshops
- Shared HEC projects with the Hollis citizens through News Media, Town Meetings, etc.,

HEC Outside the Box Project



- HEC has always encouraged the High School Students to participate in Energy Efficiency and Sustainable Energy Projects
- HEC Outreach Subcommittee initiated Students Sustainable Energy Team (SSET) with high school students
- SSET is now a separate 501 C(3) Non-Profit, Charitable Organization with eight high school students participating (sset-global.org)
- SSET has organized an Energy Day on May 5, 2013 in Hollis and it was well attended by more than 150 people

Lessons Learned & Suggestions



- If you have not already done it, collect electricity, gas, and oil usage data for the last two years
- Create an account on EPA Portfolio Manager
- Based on your Energy Portfolio create an Energy Action Plan
- Find energy champions in various Boards and Town and School administrations
- Find an energy project with immediate savings and search for grants and interest free loans (success breeds success)
- Keep Board Members and administration always in the information loop
- Broadcast your success

HOLLIS ENERGY COMMITTEE



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