

# **Hollis Energy Committee Efforts & Impact from 2012 - 2021**

or:

**How to Save Over \$1.2 Million and Counting**

# HEC Impact 2012-2021

- January 8, 2010 – Energy Efficiency Conservation Block Grant (EECBG) was announced.
- We submitted four grant applications (Town, HSD, COOP SD and ASHRAE Energy Efficiency Assessment) and we were awarded all four grants, totaling \$214,000.
- Completed upgrades the Summer of 2011:

## 2012 - EECBG Lighting Upgrade Savings

	Town	HSD	HB COOP	Savings
KWh Savings	50625	154375	194375	399375
\$ Savings	\$8,100.00	\$24,700.00	\$31,100.00	\$63,900.00

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
PPE Negotiated Rate		0.14	0.14	0.14	0.15	0.15	0.15	0.18	0.18	0.19
EECBG Lighting upgrade Savings (399375KWh)	\$63,900	\$55,913	\$55,913	\$55,913	\$59,906	\$59,906	\$59,906	\$71,888	\$71,888	\$73,884

**Total Savings since 2012: \$629,016**

No taxpayer dollars were used

# HEC Impact 2012-2021

That same year, in 2012, we collaborated with NRPC to pool area regional towns' and school districts' electric requirements and negotiated a very favorable power purchase rate agreement.

## Electricity Negotiated Savings 2013 through 2021

Year	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Actual Energy Use (MWh's)	3467	3271	3343	2999	2754	2,816	2,716	2,690	2,834	2,932	2,430	2,513	2,296	2,427
HEC negotiated rate						0.14	0.14	0.14	0.15	0.15	0.15	0.18	0.18	0.19
Eversource rate						0.16	0.16	0.17	0.18	0.18	0.17	0.19	0.17	0.20
Annual savings	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 56,324	\$ 54,312	\$ 80,706	\$ 85,008	\$ 87,971	\$ 48,608	\$ 25,131	\$ (22,958)	\$24,270.00

**Total Savings since 2013: \$439,371**

No taxpayer dollars were used

# HEC Impact 2012-2021

In 2017, the Hollis School District requested, and the Town approved:

- Two 100KW solar panels: one on the Hollis Primary School roof and one on the Hollis Upper Elementary school roof (\$613K)

200 KW Solar Sytem Savings				
	2018	2019	2020	2021
Negotiated Rate	0.15	0.18	0.18	0.19
Solar MWh/yr	263	275	293	201
Savings/Yr	\$39,450.00	\$49,500.00	\$52,740.00	\$38,190.00

**Total Savings since 2018 - \$179,880**

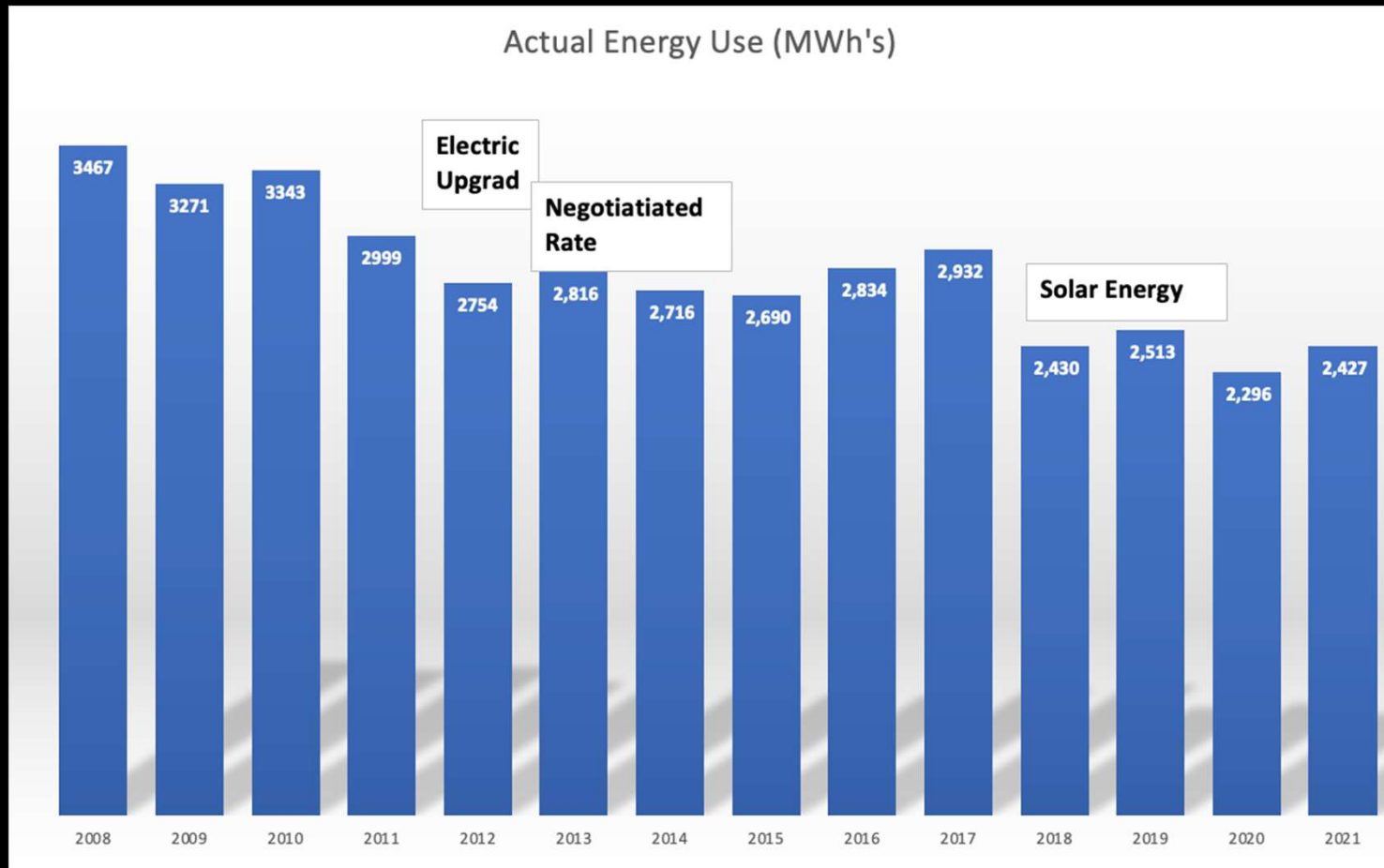
# HEC Impact 2012-2021

## Total Electric Energy Savings for the Town of Hollis since 2012

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Totals
Eversource Meter Reading (MWh)	2754	2,816	2,716	2,690	2,834	2,932	2,430	2,513	2,296	2,427	
Solar Reading (MWH)							263	275	293	201	
Eversource Rate	0.16	0.16	0.16	0.17	0.18	0.18	0.17	0.19	0.17	0.20	
PPE Negotiated Rate		0.14	0.14	0.14	0.15	0.15	0.15	0.18	0.18	0.19	
EECBG Lighting upgrade Savings (399375KWh)	\$63,900	\$55,913	\$55,913	\$55,913	\$59,906	\$59,906	\$59,906	\$71,888	\$71,888	\$73,884	\$629,016
PPE Electricity Negotiated Savings		\$56,324	\$54,312	\$80,706	\$85,008	\$87,971	\$48,608	\$25,131	<b>-\$22,958</b>	\$24,270	\$439,371
200KW Solar Savings							\$39,450	\$49,500	\$52,740	\$38,190	\$179,880

**\$1,248,267**

# HEC Electric Energy Impact 2012-2021



## **HEC Impact 2012-2021**

### **Heating**

- **In 2015, the Hollis Town Hall and Police Station were ready to replace their aging diesel-based heating and hot water systems.**
- **The HEC, using available grant funding hired a renewable energy expert to evaluate and recommend a renewable energy replacement system.**
- **His recommendation was a Wood Pellet System to replace the oil-based heating systems for both the Town Hall and Police Station.**

# HEC Impact 2012-2020 - Heating

- Wood pellet systems cost less than newer oil-based heating systems.
- The new pellet systems cut the fuel budgets for those two buildings by over 40%
- In addition, every dollar spent on wood pellets stays in New Hampshire, helping our local economy and local jobs.

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Pre 2016	Post 2016	
Town Hall	\$16,219.00	\$19,575.00	\$16,321.00	\$12,561.00	\$6,805.67	\$8,513.60	\$9,107.83	\$9,402.92	\$6,804.55	\$7,020.36	\$16,169.00	\$7,942.49	51%
Police Station	\$10,106.00	\$9,437.00	\$8,344.00	\$7,343.00	\$5,681.84	\$5,552.40	\$7,238.31	\$7,397.30	\$5,486.10	\$2,976.01	\$8,807.50	\$5,721.99	35%

Pre 2016	Post 2016	
\$16,169.00	\$7,942.49	51%
\$8,807.50	\$5,721.99	35%



# **Hollis Energy Committee Recognition in New England**

- **In 2016, the Town of Hollis and the Hollis Energy Committee were honored for promoting energy conservation and efficiency through sustainable energy practices beyond the Hollis boundaries; we are considered an example for other towns to follow.**
- **We have been invited by at least eight town Energy Committees to present what worked for us so they could learn.**
- **In 2017, at the New England Grassroots Environmental Fund's (NEGEF) tenth anniversary celebrations, the Town of Hollis was recognized as one of three model towns in New England.**
- **In 2017, the HEC Chair, chairman was a Keynote Speaker at Mount Desert Island's Energy Conference organized by the four municipalities on the Island.**