



**Allenstown WWTP & Fire Department can lock-in its power costs at TODAY's low rates!**

NhSolarGarden is pleased to provide this project summary for a 1300 kW/DC ground mounted solar array to power the WWTP's electrical consumption. This solar array will produce an estimated 1,500,000 kWhs annually and will be allocated to 100% of the WWTP's meter from the ground mounted solar array. In addition, a 60 kW roof mounted solar array, producing an estimated 72,000 kWhs, will be installed at the Fire Department. 52,000 kWhs of the power will be utilized by the Fire Department and the balance can be utilized by the Town buildings thru the Group Net Metering program. This summary outlines the economic value of the Solar "PPA" Rebate agreement to create a long term stable energy rate and describes the options for the WWTP & Town to review along with some key indicators to the current state of power in NH.

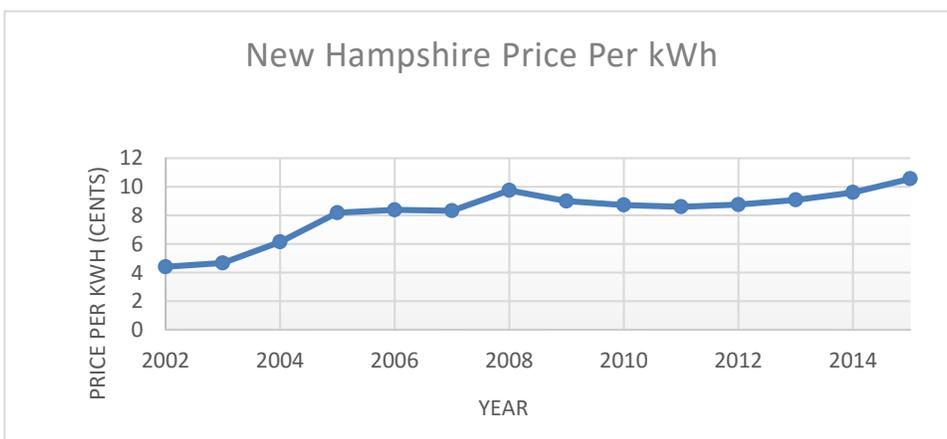
WWTP location: (90% of WWTP's annual load)

- **10% discount off Eversource's Supply & Delivery rates**
- 8 cents/kWh "floor" rate, escalating 1.5% each year
- 1,500,000 kWh electric load = **\$14,212** Year 1 savings
- \$675,000 in total est. savings to the **WWTP** over 25 years, based on an Eversource 5% annual escalation



Fire Department location: (100% of FD's annual load)

- **10% discount off Eversource's Supply & Delivery rates**
- 8 cents/kWh "floor" rate, escalating 1.5% each year
- 62,000 kWh electric load = **\$796** Year 1 savings
- \$37,000 in total est. savings to the **Fire Dept.** over 25 years, based on an Eversource 5% annual escalation



**NH Energy Facts**

- **NH is ranked 31<sup>st</sup> in solar installations at 12 MWs**
- **NH has the 8<sup>th</sup> most expensive electric rates in the US**
- **Power rates have escalated 7.6% annually over the last 12 years**



**WWTP "Cumulative" Savings Analysis: (10% discount)**

**Fire Department "Cumulative" Savings Analysis: (10% discount)**

Utility kWh Start Rate: <b>\$0.0911</b>				
Savings vs. Historical				
Year	Est. PPA Rate	Savings vs. 7.6% Price Increase	Savings vs. 5.5% Price Increase	Savings vs. 3.8% Price Increase
1	\$0.0820	<b>\$14,212</b>	<b>\$14,212</b>	<b>\$14,212</b>
2	\$0.085	\$34,263	\$29,130	\$28,889
3	\$0.088	\$60,725	\$44,790	\$44,049
4	\$0.092	\$94,214	\$61,229	\$59,706
5	\$0.095	\$130,069	\$78,485	\$75,876
6	\$0.099	\$168,455	\$96,599	\$92,577
7	\$0.103	\$209,553	\$115,614	\$109,827
8	\$0.106	\$253,552	\$135,575	\$127,642
9	\$0.110	\$300,659	\$156,528	\$146,041
10	\$0.115	\$351,093	\$178,523	\$165,044
11	\$0.119	\$405,088	\$201,611	\$184,671
12	\$0.124	\$462,896	\$225,848	\$204,942
13	\$0.128	\$524,787	\$251,290	\$225,877
14	\$0.133	\$591,048	\$277,997	\$247,500
15	\$0.138	\$661,989	\$306,032	\$269,832
16	\$0.143	\$737,940	\$335,461	\$292,897
17	\$0.149	\$819,254	\$366,353	\$316,718
18	\$0.155	\$906,311	\$398,782	\$341,322
19	\$0.160	\$999,516	\$432,823	\$366,732
20	\$0.167	\$1,099,302	\$468,557	\$392,976
21	\$0.173	\$1,206,136	\$506,067	\$420,081
22	\$0.179	\$1,320,515	\$545,443	\$448,076
23	\$0.186	\$1,442,970	\$586,777	\$476,988
24	\$0.193	\$1,574,074	\$630,166	\$506,850
25	\$0.201	<b>\$1,714,436</b>	<b>\$675,712</b>	<b>\$537,691</b>

Utility kWh Start Rate: <b>\$0.1105</b>				
Savings vs. Historical				
Year	Est. PPA Rate	Savings vs. 7.6% Price Increase	Savings vs. 5.5% Price Increase	Savings vs. 3.8% Price Increase
1	\$0.0995	<b>\$796</b>	<b>\$796</b>	<b>\$796</b>
2	\$0.103	\$1,647	\$1,631	\$1,617
3	\$0.107	\$2,559	\$2,507	\$2,466
4	\$0.111	\$3,536	\$3,428	\$3,342
5	\$0.115	\$4,581	\$4,394	\$4,248
6	\$0.120	\$5,700	\$5,408	\$5,183
7	\$0.124	\$6,898	\$6,472	\$6,148
8	\$0.129	\$8,181	\$7,590	\$7,146
9	\$0.134	\$9,554	\$8,763	\$8,176
10	\$0.139	\$11,025	\$9,994	\$9,240
11	\$0.144	\$12,599	\$11,287	\$10,338
12	\$0.150	\$14,284	\$12,644	\$11,473
13	\$0.156	\$16,088	\$14,068	\$12,645
14	\$0.161	\$18,020	\$15,563	\$13,856
15	\$0.168	\$20,088	\$17,132	\$15,106
16	\$0.174	\$22,303	\$18,780	\$16,397
17	\$0.181	\$24,673	\$20,509	\$17,731
18	\$0.187	\$27,211	\$22,325	\$19,108
19	\$0.195	\$29,929	\$24,230	\$20,531
20	\$0.202	\$32,838	\$26,231	\$22,000
21	\$0.210	\$35,952	\$28,331	\$23,517
22	\$0.218	\$39,287	\$30,535	\$25,084
23	\$0.226	\$42,857	\$32,849	\$26,703
24	\$0.235	\$46,679	\$35,278	\$28,375
25	\$0.243	<b>\$50,771</b>	<b>\$37,828</b>	<b>\$30,101</b>

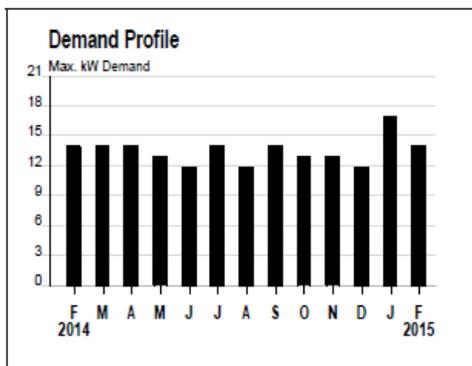
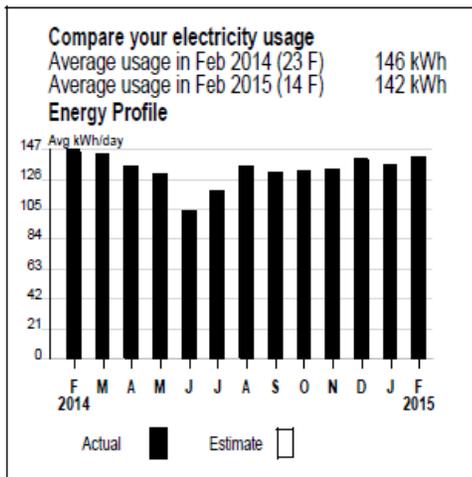


**Utility Bill review:** (Fire Department Meter)

0021537

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Account number: 56730841038



Delivery Services Detail		RATE G GENERAL SERVICE		
Customer Chrg 3-Phase				\$29.30
<del>KW-Distrib Chrg, Over 5.0</del>	<del>0.40KW</del>	<del>x</del>	<del>\$0.500000</del>	<del>\$00.75</del>
<del>KW-Transmission Chrg, Over 5.0</del>	<del>9.40KW</del>	<del>x</del>	<del>\$4.010000</del>	<del>\$40.98</del>
<del>KW-Strnd Cst Recovery Chrg</del>	<del>0.40KW</del>	<del>x</del>	<del>\$0.130000</del>	<del>\$1.22</del>
Distribution Chrg	500.00KWH	x	\$0.068810	\$34.41
	1000.00KWH	x	\$0.017040	\$17.04
	2900.00KWH	x	\$0.006030	\$17.49
Transmission Chrg	500.00KWH	x	\$0.016630	\$8.32
	1000.00KWH	x	\$0.006260	\$6.26
	2900.00KWH	x	\$0.003360	\$9.74
Strnded Cst Recovery Chrg	4400.00KWH	x	\$0.000780	\$3.43
System Benefits Chrg	4400.00KWH	x	\$0.003300	\$14.52
Subtotal				\$265.81

Charges not included in a solar savings analysis

Electricity Supply Detail		NEXTERA ENERGY		
Generation Svc Chrg***	4400.00KWH	x	\$0.084950	\$373.78
Subtotal				\$373.78

Taxes		
Electricity Consumption Tax (calculated by rate \$0.00055/kWh)		\$2.42
<b>Total Taxes</b>		<b>\$2.42</b>

\$487/4400 kWhs = 11.05 cents/kWh