



**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.

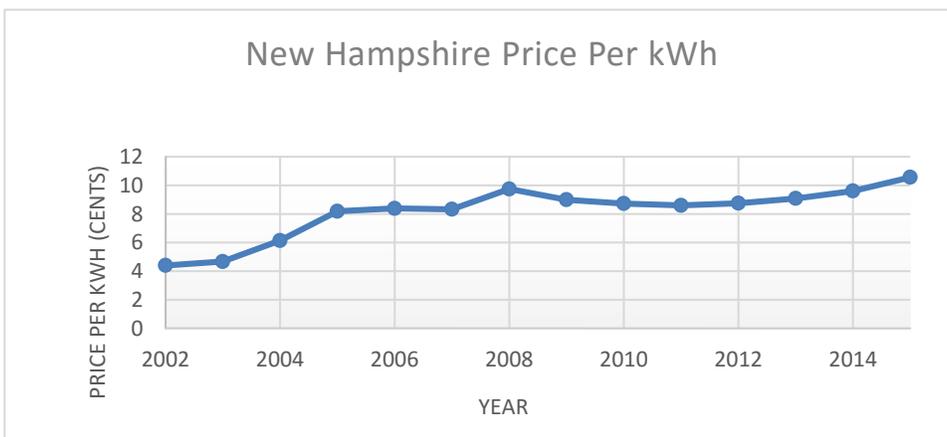
WWTP location: (90% of WWTP's annual load)

- **8.45 cent/kWh electric rate (fixed for 3 years)**
- 9.45 cent/kWh in year 4
- 5% annual escalation rate in year 5 on
- 1,500,000 kWh electric load = **\$10,296** Year 1 savings
- \$1,107,000 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)

- **8.45 cent/kWh electric rate (fixed for 3 years)**
- 9.45 cent/kWh in year 4
- 5% annual escalation rate in year 5 on
- 62,000 kWh electric load = **\$1,872** Year 1 savings
- \$117,000 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: (8.45 cent PPA)**

**Fire Department "Cumulative" Savings Analysis: (8.45 cent PPA)**

Utility kWh Start Rate: <input type="text" value="\$0.0911"/>				
Savings vs. Historical				
Year	PPA Rate	Savings vs. 7.6% Price Increase	Savings vs. 5.5% Price Increase	Savings vs. 3.8% Price Increase
1	\$0.0845	\$10,296	\$10,296	\$10,296
2	\$0.0845	\$31,287	\$28,318	\$25,914
3	\$0.0845	\$63,679	\$54,414	\$47,003
4	\$0.0945	\$92,861	\$73,582	\$58,352
5	\$0.099	\$127,860	\$94,425	\$68,339
6	\$0.104	\$169,255	\$117,060	\$76,843
7	\$0.109	\$217,675	\$141,609	\$83,732
8	\$0.115	\$273,797	\$168,203	\$88,871
9	\$0.121	\$338,360	\$196,979	\$92,112
10	\$0.127	\$412,157	\$228,086	\$93,302
11	\$0.133	\$496,052	\$261,679	\$92,275
12	\$0.140	\$590,975	\$297,925	\$88,860
13	\$0.147	\$697,934	\$336,997	\$82,871
14	\$0.154	\$818,017	\$379,084	\$74,114
15	\$0.162	\$952,401	\$424,384	\$62,384
16	\$0.170	\$1,102,356	\$473,105	\$47,463
17	\$0.178	\$1,269,254	\$525,470	\$29,120
18	\$0.187	\$1,454,575	\$581,716	\$7,111
19	\$0.196	\$1,659,918	\$642,091	-\$18,819
20	\$0.206	\$1,887,006	\$706,863	-\$48,945
21	\$0.217	\$2,137,701	\$776,310	-\$83,551
22	\$0.227	\$2,414,006	\$850,732	-\$122,943
23	\$0.239	\$2,718,086	\$930,443	-\$167,440
24	\$0.251	\$3,052,270	\$1,015,777	-\$217,381
25	\$0.263	\$3,419,072	\$1,107,088	-\$273,122

Utility kWh Start Rate: <input type="text" value="\$0.1105"/>				
Savings vs. Historical				
Year	PPA Rate	Savings vs. 7.6% Price Increase	Savings vs. 5.5% Price Increase	Savings vs. 3.8% Price Increase
1	\$0.0845	\$1,872	\$1,872	\$1,872
2	\$0.0845	\$4,336	\$4,170	\$4,035
3	\$0.0845	\$7,432	\$6,914	\$6,499
4	\$0.0945	\$10,493	\$9,414	\$8,561
5	\$0.099	\$13,944	\$12,072	\$10,612
6	\$0.104	\$17,819	\$14,897	\$12,646
7	\$0.109	\$22,157	\$17,899	\$14,659
8	\$0.115	\$27,000	\$21,088	\$16,647
9	\$0.121	\$32,391	\$24,476	\$18,605
10	\$0.127	\$38,378	\$28,073	\$20,528
11	\$0.133	\$45,014	\$31,893	\$22,409
12	\$0.140	\$52,354	\$35,948	\$24,244
13	\$0.147	\$60,458	\$40,252	\$26,025
14	\$0.154	\$69,392	\$44,819	\$27,746
15	\$0.162	\$79,225	\$49,666	\$29,400
16	\$0.170	\$90,034	\$54,807	\$30,978
17	\$0.178	\$101,899	\$60,260	\$32,473
18	\$0.187	\$114,908	\$66,043	\$33,875
19	\$0.196	\$129,156	\$72,175	\$35,176
20	\$0.206	\$144,744	\$78,677	\$36,365
21	\$0.217	\$161,783	\$85,569	\$37,432
22	\$0.227	\$180,390	\$92,874	\$38,365
23	\$0.239	\$200,692	\$100,615	\$39,153
24	\$0.251	\$222,826	\$108,818	\$39,783
25	\$0.263	\$246,940	\$117,509	\$40,242