



**Central New York Regional Planning & Development Board**

126 N. Salina Street, Suite 200, Syracuse, New York 13202 • Tel. (315) 422-8276 • Fax: (315) 422-9051  
Paul W. Pinckney, Chairman David V. Bottar, Executive Director

**Town of New Haven:  
Clean Energy Communities**  
February 21, 2023

**NYSERDA Clean Energy Communities Program:**

- This program provides grants to communities that complete clean energy actions.
- If the Town completes four actions, you will earn a \$5,000 grant towards a new clean energy/sustainability project, such as converting building lighting to LEDs.

**Actions to consider:**

1. Convert cobra head streetlights to LEDs
  - a. Already looking into this
2. Adopt the unified solar permit
  - a. This is a building and electrical permit for small scale residential/commercial solar arrays less than 25 kW in size.
  - b. Instead of having a different permitting process for solar for every municipality across the state, having a unified process will help make the permitting/installation process quicker, easier, and less expensive for residents and small businesses interested in solar at their homes and businesses.
  - c. This is NOT zoning, permitting, or regulating large scale solar farms.
3. Have the Code Officer attend a day-long energy code training
  - a. Must be an eligible Clean Energy Community energy code training to count.
  - b. The next training we are hosting in Syracuse on 3/23 from 8am-5pm. Register at <https://events.eventzilla.net/e/energy-code-enforcement-training-central-ny-q1-2138602678>.
4. Benchmarking municipal energy use – passing the resolution
  - a. This action requires that the Town pass a resolution to track municipal building energy use using Portfolio Manager online and posting an annual report to the municipal website. This action does not include doing the actual benchmarking work.
5. Benchmarking municipal energy use – performing the benchmarking
  - a. This action is actually following through with the benchmarking work. Amanda is available to help get this set up and connected with National Grid so the data is updated automatically.
  - b. Helps get a better understanding of how municipal buildings are using energy to help plan for future efficiency projects.



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**Town of New Haven:  
 LED Streetlights  
 February 21, 2023**

**Current streetlight status:**

- The Town currently has 30 cobra head streetlights, all 70W high pressure sodium.
- All streetlights are currently owned by National Grid.

**Options to convert to LED streetlights:**

1. Purchase streetlights from National Grid and convert to LEDs. The Town would then be responsible for maintenance moving forward.
  - a. This option is more expensive, a much longer process, and it is difficult to find contractors interested in communities with less than 200 lights for conversion or maintenance.
2. Continue to have National Grid own and maintain streetlights as they do now, but request they convert to LED for the Town (recommended).
  - a. This option requires the Town pay for the remaining net value of the existing streetlights since they are being removed before 100% depreciated. This cost to the Town is \$3,409.10 up front with an estimated \$1,500 incentive from National Grid upon completion of the conversion, for total costs to the Town of \$1,909.10.
  - b. The Town would select LED replacement option (recommended 25W LED option).

**Summary:**

Total cobra head lights	30
Average net book value per light	\$113.64
Conversion cost total	\$3,409.10
LED incentives for cobra heads	\$1,500.00
Conversion cost total minus incentives	\$1,909.10
Annual cost savings (\$)	\$640.50
Annual cost savings (%)	17.1%
Simple payback with incentives (years)	3.0
Lifetime cost savings (25 years)	\$16,012.50
Annual energy savings (kWh)	7,650
Annual energy savings (%)	71.0%
Lifetime energy savings (kWh over 25 years)	191,250