

**VILLAGE OF SARANAC LAKE BOARD OF TRUSTEES  
39 MAIN STREET SARANAC LAKE NY  
MEETING AGENDA 5:30PM  
Tuesday, February 23, 2021  
**THIS WORKSESSION WILL BE HELD THROUGH ZOOM****

Topic: VSL Work Session

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**A. CALL TO ORDER**

**B. PLEDGE OF ALLEGIANCE**

**C. DISCUSSION REGARDING LED STREETLIGHT CONVERSION**

**D. MOTION TO ADJOURN:**

## **RULES FOR PUBLIC HEARING COMMENTS AND**

### **PUBLIC COMMENT PERIOD OF MEETINGS**

- 1. Anyone may speak to the Village Board of Trustees during the public comment period of a public hearing or the public comment period of the meeting.**
- 2. As a courtesy we ask each speaker to give their name and village resident or not.**
- 3. Each speaker must be recognized by the chairperson before speaking.**
- 4. Individual public comment is limited to 3minutes and may be shortened by the meeting chairperson.**
- 5. When a meeting is attended by a group of people who share the same or opposing views on a public comment topic, the chair may require that the group(s) designate not more than two spokespersons and limit the total time public comment to 2.5 minutes for each point of view or side of an issue.**
- 6. Individual time may not be assigned/given to another.**
- 7. A public hearing is meant to encourage resident comment and the expression of opinion, not a direct debate, nor should a commenter be intimidated by a village board rebuttal, therefore public hearings are limited to public comment and should a village response be asked by individuals the response shall be generally given after the public hearing during the village board regular meeting, or subsequently, by telephone or letter, unless factual in nature where the facts are fully known by staff, in which case a village official may respond.**
- 8. All remarks shall be addressed to the board as a body and not to any individual member thereof.**
- 9. Interested parties or their representatives may address the board at any time by written or electronic communications.**
- 10. Speakers shall observe the commonly accepted rules of courtesy, decorum, dignity and good taste.**

Please note- During the course of regular business, discussion and commentary is limited to board members and village staff only. We ask for this courtesy, for the board and staff to conduct their business and discussion without interruption. All village board members and staff are available after the conclusion of a meeting for one on one discussion.



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## Clean Energy Communities Program

**Funding Available:** \$50,000  
**Proposal Deadline:** March 20, 2018  
**Potential Project:** LED Streetlight Conversion

### Municipal Buyback Option:

The Village of Saranac Lake has the opportunity to purchase existing streetlights from National Grid and convert them to LED lights. SmartWatt has prepared a Preliminary Feasibility Assessment based on current utility bills. The Assessment outlines the expected cost and savings for the capital project. As presented by SmartWatt, the improvements would be financed by the annual energy and maintenance savings, which would be guaranteed by SmartWatt. This would be a turnkey approach where SmartWatt would conduct an investment grade audit, design the project, and build.

**Table 1: Recommended Facility Improvement Measures (FIMs)**

| FIM # | Measure   | Annual Energy Savings (\$/yr) | Annual O&M Savings (\$/yr) | Estimated "Buyback" Cost <sup>1</sup> | FIM Implementation Cost | Total Project Costs Including Buyback |
|-------|---|-------------------------------|----------------------------|---------------------------------------|-------------------------|---------------------------------------|
| 1     | Village of Saranac Lake – Utility Owned Street Lighting | \$19,672                      | \$63,014                   | \$455,000                             | \$306,233               | \$761,233                             |

### Utility-Owned Conversion:

The Village of Saranac Lake can request that all streetlights be converted to LED as the expense of the Village. National Grid would install the new lights at the expense of the Village. National Grid converts a percentage of streetlights each year on a first come first serve basis.

### Next Step:

The Village needs to request the buyback cost from National Grid. The request should be made between April and June after the current rate case is resolved. Buyback costs can only be requested once per year and the rate case could influence the buyback amount.

## Saranac Lake Street Light Cost Analysis - Updated 2/2/21 by Nancy Bernstein, ANCA Energy Circuit Rider

|  | Existing Street Lights                       | National Grid Conversion | Municipal Ownership Asset Management Nodes | Municipal Ownership Photocell | Notes   |   |
|--|--|--------------------------|--|-------------------------------|---|---|
| <b>Annual Costs</b>                              | National Grid Electricity Delivery & Supply  | \$ 27,431                | \$ 11,733                                  | \$ 8,373                      | \$ 8,373  | Switch from SC 2 delivery rate (\$0.08646/kWh) to SC 3 (0.05935/kWh) with ownership   |
|  | National Grid Facilities                     | \$ 80,304                | \$ 89,424                                  | \$ -                          | \$ -  | Includes all street lighting inventory  |
|  | National Grid Pole Leasing                   | \$ -                     | \$ -                                       | \$ 2,642                      | \$ 2,642  | Assumed to be \$0.60/wooden pole per month  |
|  | Post Conversion Maintenance                  | \$ -                     | \$ -                                       | \$ 9,100                      | \$ 9,100  | Assumed to be \$20/fixture for all routine maintenance. Village encouraged to set aside \$ for emergency repairs  |
|  | Energy & Facilities Cost                     | \$ 107,735               | \$ 101,157                                 | \$ 20,115                     | \$ 20,115   |   |
|  | Reduction in Annual Utility Costs            |                          | 6%   | 81%                           | 81%   |   |
|  | Decrease in National Grid Infrastructure Tax | \$ -                     | \$ -                                       | \$ 4,476                      | \$ 4,476  | National Grid Infrastructure Tax Bill: \$41,143 existing; \$36,667 projected  |
|  | Increase in Village Insurance Premium        | \$ -                     | \$ -                                       | \$ 500                        | \$ 500  | Approximate increase in village insurance premium to include street light infrastructure  |
|  | Unexpected Maintenance Set Aside             | \$ -                     | \$ -                                       | \$ 19,940                     | \$ 19,940   | Recommended funds to set aside annually for non-routine and emergency maintenance - <b>rolled over if not spent</b>   |
| <b>TOTAL Annual Cost</b>                         | <b>\$ 111,667</b>                            | <b>\$ 105,351</b>        | <b>\$ 45,032</b>                           | <b>\$ 45,032</b>              |   |   |
| <b>Annual Savings</b>                            | Energy & Facilities Annual Savings           | \$ -                     | \$ 6,316                                   | \$ 85,264                     | \$ 85,264   | From NYPA - Estimated Annual Maintenance & Facilities Savings   |
|  | <b>TOTAL Annual Savings</b>                  | <b>\$ -</b>              | <b>\$ 6,316</b>                            | <b>\$ 40,232</b>              | <b>\$ 40,232</b>  | Includes decrease in tax revenue, increase in insurance, and <b>spending 100% of annual maintenance set aside</b>   |
| <b>Rebate</b>                                    | Estimated National Grid Rebate               | \$ -                     | \$ 22,160                                  | \$ 22,160                     | \$ 22,160   | Rebate available first-come first served once conversion is complete  |
| <b>Grant</b>                                     | Clean Energy Communities Grant               |                          | \$ 50,000                                  | \$ 50,000                     | \$ 50,000   | Surplus CEC grant must be used for another clean energy project   |
| <b>Project Costs</b>                             | National Grid LED Conversion Cost            | \$ -                     | \$ 36,325                                  | \$ -                          | \$ -  | Updated NBV provided 12/1/20 - Utility conversion now includes ALL lights, not just Roadway (Not necessary to convert all lights, see 6/2/20 National Grid letter for cost breakdown)       |
|  | Purchase of Fixtures from National Grid      | \$ -                     | \$ -                                       | \$ 365,966                    | \$ 365,966  |   |
|  | NYPA Material Cost - asset mngmt nodes       | \$ -                     | \$ -                                       | \$ 180,715                    | \$ 128,390  | NYPA costs generated 7/17/20  |
|  | NYPA Labor Estimate                          | \$ -                     | \$ -                                       | \$ 75,855                     | \$ 75,855   |   |
|  | NYPA 10% Contingency                         | \$ -                     | \$ -                                       | \$ 25,657                     | \$ 20,425   |   |
|  | NYPA Hazardous Waste Disposal                | \$ -                     | \$ -                                       | \$ 1,820                      | \$ 1,820  |   |
|  | NYPA Design & Construction Management        | \$ -                     | \$ -                                       | \$ 42,334                     | \$ 33,701   |   |
|  | NYPA Project Mgt & Administrative            | \$ -                     | \$ -                                       | \$ 40,798                     | \$ 32,524   | 12.5% of Construction Costs, Asbestos Abatement, Design & Construction Fee and associated contingencies   |
|  | <b>Project Subtotal</b>                      | <b>\$ -</b>              | <b>\$ 36,325</b>                           | <b>\$ 733,145</b>             | <b>\$ 658,681</b>   |   |
|  | Disconnect Device Security                   | \$ -                     | \$ -                                       | \$ 183,800                    | \$ 183,800  | NYPA fronts this cost   |
| Interest During Construction                     | \$ -   | \$ -                     | \$ 18,990                                  | \$ 17,501                     | IDC estimated based on 4% interest                                |   |
| <b>TOTAL Project Cost</b>                        | <b>\$ -</b>                                  | <b>\$ 36,325</b>         | <b>\$ 752,135</b>                          | <b>\$ 676,182</b>             |   |   |
| <b>TOTAL Project Cost minus rebate/CEC grant</b> | <b>\$ -</b>                                  | <b>\$ -</b>              | <b>\$ 679,975</b>                          | <b>\$ 604,022</b>             | With utility conversion, portion of CEC grant could be repurposed |   |
| <b>Payback</b>                                   | Simple Payback (years) - NYPA                |                          |  | 8                             | 7.1   | NYPA's calculation based on annual savings of \$85,264 (include utility rebate + CEC grant)   |
|  | Simple Payback (years) - worst case scenario |                          |  | 16.9                          | 15.0  | Calculation based on annual savings of \$40,232 (includes decrease in tax revenue, increase in insurance, and <b>worst case scenario of spending 100% of annual maintenance set aside</b> ) |

**Strategies to decrease cost**  
 Independent maintenance contract  
 Install photocells instead of asset mgt nodes  
 Secure USDA Communities Facilities grant

**Savings**  
 unknown, but likely less than NYPA worst scenario  
 \$75,954  
 \$30-40,000