



TOWN OF BRIDGEWATER, MASSACHUSETTS ENERGY COMMITTEE

MINUTES: MARCH 4, 2019

Members Present: ✓ Kevin Bligh ✓ Carlton D. Hunt

Guests: None

The March 4, 2019 Energy Committee (EC) meeting was called to order at 6:35 PM in Room 201b of the Academy Building with a quorum present. The agenda was approved.

The committee note the passing of long-serving member Tom Hall in the Fall of 2018

There were no announcements or public members in attendance.

Old Business

The committee reviewed Green Communities activities since the last meeting. Summary:

- Three EV vehicles leased
- EV charging stations scheduled for installation starting April 2019. Discussion: voiced concern about the use of the limited parking space @ in Academy Building parking lot to house 4 town vehicles plus employee vehicles. Modified recommendation for two EV charging stations be located at the Academy Building electric vehicle reserved parking lot area and two located in the library parking lot where the Town's EVs should be parked. Suggested the locations can be made revenue positive for the Town by encouraging public use for a charging fee.
- 2018 Annual Report submitted in Dec 2018, comments received and addressed in late February 2018
- RFP for 2019 competitive grant received and proposal in program; due March 22 COB.

Chair conveyed progress on the alternative energy assessment based on a February 20, 2019 meeting with Town Manager, Assistant Town Manager, and CED Director.

- The Town will change direction from an assessment of the Golf Course for alternative energy to a comprehensive Town wide assessment of including solarization of buildings and solar field potential, wind potential, energy efficiencies, green fields etc. Town will issue and RFQ for the comprehensive assessment. Town Manager expects the EC to work with successful consultant to review any report and plan including project prioritization.

The committee reviewed information submitted by the Assistant Town planner in regards LED street light conversion project. (See attached). Project is running slightly behind schedule with activities required for GC grant funds complete or scheduled for completion before the GC grant proposal is due on March 22

- Street light documentation and purchase information received from NGRID; Purchase and Sales agreement progress (must be completed to be eligible for Green Communities competitive grant funding)
- Street light assessment is complete, and the report submitted. Three light options are under consideration.
- The design phase is in progress.



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Solar Energy

The Chair reported:

- The cumulative percent solar energy supply remains less than 100% of the Town's usage (84.2% through Dec. 2018). (see attached graphics).
- Planning Board approved a site plan for solarization of the former Town Landfill on Bedford St.
- A wetlands assessment for a potential solar field near the corner of Flagg and Bedford streets has been requested.

Ordinances

- The Solar Ordinance modifications and draft wind energy ordinance will be reviewed as part of the comprehensive zoning review and update.

New Business

Discussed an article "*Why EV Charging Needs To Be Part Of Your Smart Mobility Planning*" <https://na.smartcitiescouncil.com/article/why-ev-charging-needs-be-part-your-smart-mobility-planning>:

- Reached consensus that the ongoing Comprehensive Master Plan update should address planning for the building wave of EV. Chair to submit recommendation to Community and Economic Development Director.
- Suggested the Town include an assessment of optimal locations for build out of EV stations Town wide in the CMP. Chair to submit recommendation to Community and Economic Development Director.
- Recommended adding this to the scope of the comprehensive energy assessment project discuss on Feb. 20th. Chair to submit recommendation to Community and Economic Development Director.

No other business being brought up and no public comments, the meeting was adjourned at 7:10 PM.

The next meeting is scheduled for 6:30 PM, TBD, Room 201B of the Academy Building.

A handwritten signature in black ink that reads "Carlton D. Hunt, Ph.D.".

Submitted by Carlton D. Hunt, Ph.D.,

EC Chair



TOWN OF BRIDGEWATER, MASSACHUSETTS ENERGY COMMITTEE

MINUTES: MARCH 4, 2019

DATE: March 4, 2019 TO: Energy Committee
FROM: Elijah Romulus, Assistant Town Planner, Community & Economic Development
Department
RE: Updates for the Energy Committee Meeting on 3/4/19

This memo serves as a brief recap to the Town of Bridgewater's Energy Committee on the current projects regarding Street Light Conversions and Green Communities.

STREET LIGHT CONVERSION PROJECT

Currently, the Town of Bridgewater has contracted Tanko Lighting for the Town's streetlight audit and design. The audit was completed on February 15, 2019. So far, the process with Tanko has been seamless and they have been great working with. The results are as follows:

- 1230 fixtures matched the utility record,
- 355 did not match utility record because they were either:
 - o Additional 47 at Bridgewater Raynham,
 - o Decorative (38 in the downtown & 47 at Bridgewater Raynham),
 - o Near BSU, or
 - o Near city limits.

We are working on paying out the audit portion and moving onto the design phase. Regarding the design phase I am attaching the three (3) street light options to this document.

GREEN COMMUNITIES PROJECT Thursday February 21, 2019 Green Communities South Regional Rep. Seth Pickering met with Carlton and I to review and complete our 2018 Annual Report submission. We are officially closed out.

- We are all set to apply for the 2019 grant funding round.
- We are considering applying for the funding to support our streetlight conversion project.

The requirements per the grant application is as follows: For exterior lights, streetlights, traffic lights or parking lot lights, provide:

- o Number and wattage of existing lights
- o Their total electric consumption for the previous year in kWh
- o Ownership (confirm that municipality owns its streetlights) and metering status (unmetered or metered)
- o Wattage, cost and technology (LED, induction, etc.) of proposed replacement lights
- o LED streetlights must be controls-ready (seven-pin)
- o For LED streetlight controls, please provide the aforementioned information, as well as the following:
 - Product specifications for controls;
 - Proposed operating changes and associated projected energy savings; and Email or letter of support from the utility.

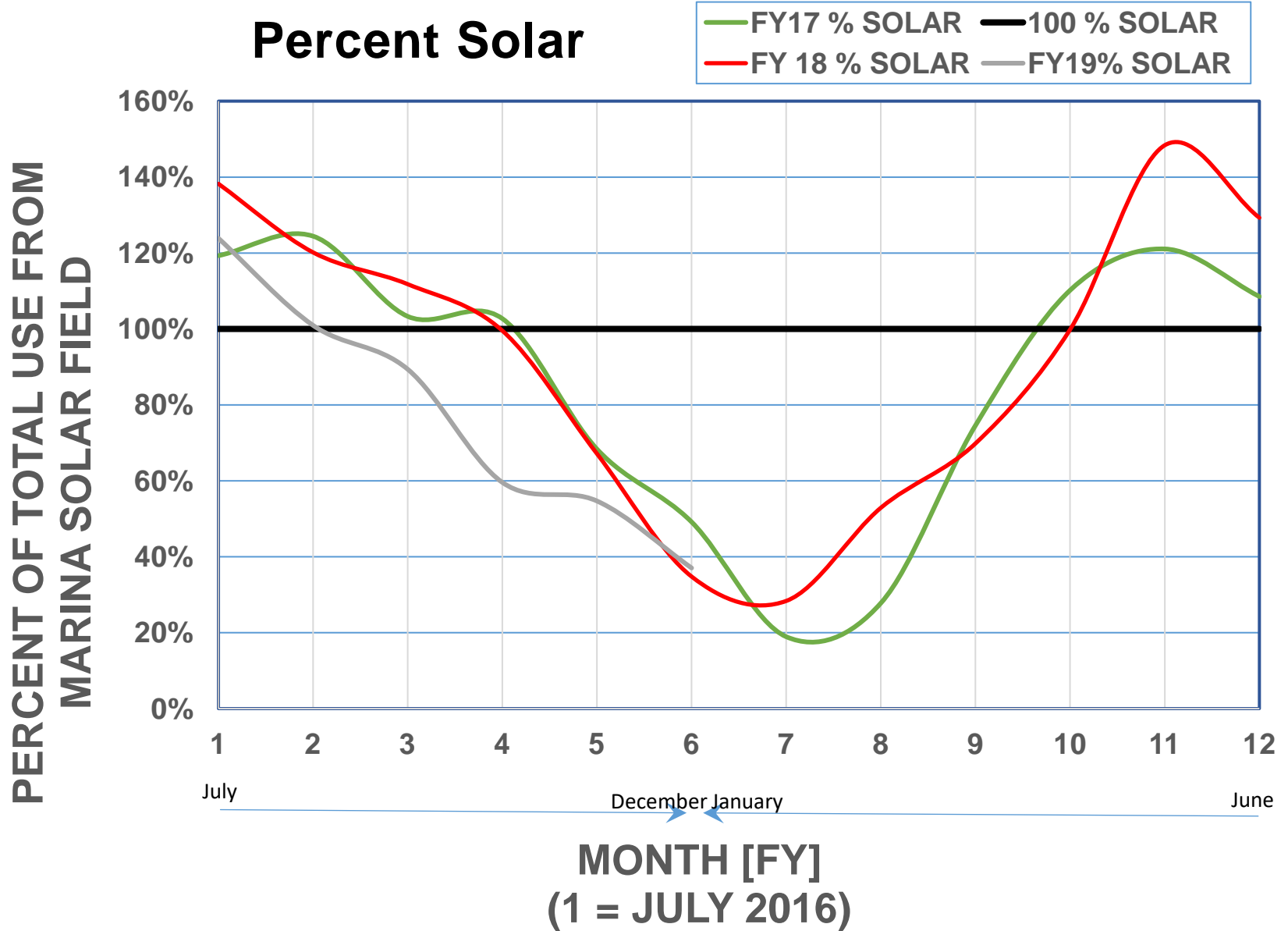
Respectfully Submitted,

Elijah Romulus, Assistant Town Planner



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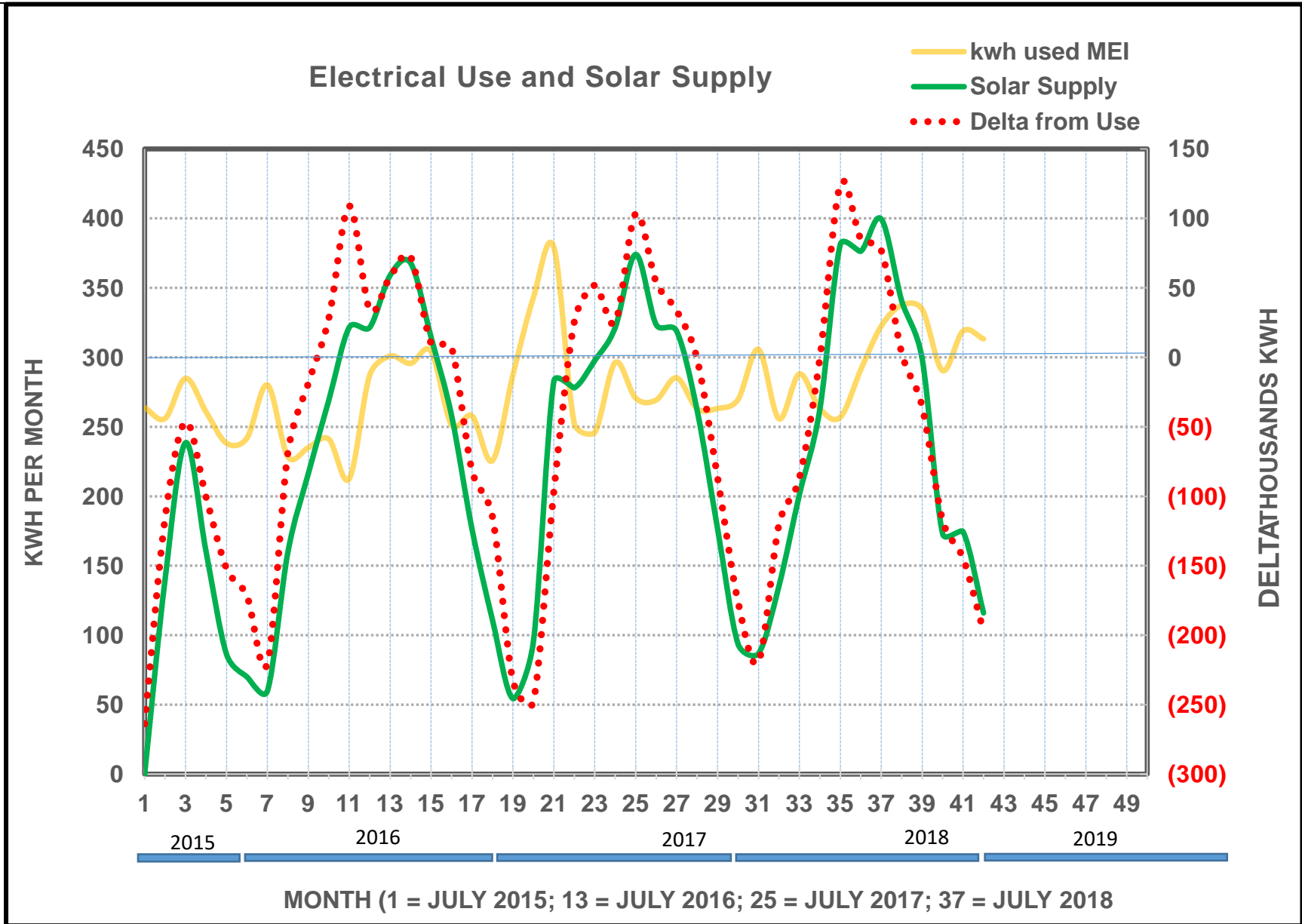
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Comparison of Cumulative Electrical Energy Use vs Cumulative Solar Power Delivered

