

**AGENDA**  
**LEBANON ENERGY ADVISORY COMMITTEE**  
**THURSDAY, JULY 16, 2020 - 3:00 PM**  
**REMOTE VIA MICROSOFT TEAMS**  
**LebanonNH.gov/Live**

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**1. CALL TO ORDER: CHECK-IN & PRELIMINARIES**

**2. ACCEPTANCE OF MINUTES: JUNE 18, 2020**

**Documents:**

[2020-06-18\\_LEAC Minutes-draft.docx](#)

**3. UPDATE ON LANDFILL GAS TO ENERGY PROJECT WITH MARC MORGAN, SOLID WASTE MANAGER**

**4. UPDATES & ISSUES IN ONGOING PROJECTS:**

**A. Energy & Facilities Manager Updates**

**Documents:**

[2020-07-13 EFM Report.docx](#)

**B. City Solar Phase 1 And Phase 2**

**C. LED Streetlight Conversion Project**

**D. Lebanon Community Power (LCP) & CPNH**

**E. PUC Grid Mod & Data Dockets**

**5. OTHER & OPEN TO PUBLIC**

**6. REPORTS & NOTICES OF ENERGY RELATED CONFERENCES, WEBINARS & EVENTS**

**7. FUTURE AGENDA ITEMS**

**8. NEXT MEETING DATE: THURSDAY, AUGUST 20, 2020**

**9. ADJOURNMENT**

Any person with a disability who wishes to attend this public meeting and needs additional accommodations, please contact the ADA coordinator at City Hall by calling 603-448-1457 at least 72 hours in advance so that the City can make any necessary arrangements.

Department. of Public Works – Phone 603-448-3112 / Fax 603-448-1756

## LEBANON ENERGY ADVISORY COMMITTEE MEETING MINUTES

Due to the Covid 19 Pandemic, the meeting was held virtually via MS Teams

*June 18, 2020*

3:00 PM

### DRAFT

**MEMBERS PRESENT:** Clifton Below (Chair, Council Representative), Greg Ames (Vice-Chair) Joan Monroe (Planning Board Representative), Woody Rothe, Jon Chaffee, Gene Homicki (alternate)

**MEMBERS ABSENT:** Meghan Butts

**STAFF PRESENT:** Tad Montgomery, Mark Goodwin

**GUESTS PRESENT:** Amro Farid

**CALL TO ORDER:** Meeting called to order by Clifton Below at 3:02 PM. Clifton appointed Gene Homicki to fill Meghan's position.

#### **APPROVAL OF MINUTES:**

Woody moved to accept the 5/21/2020 minutes as presented; Joan seconded.  
Approved unanimously, with minor corrections, by roll call vote.

#### **UPDATES & ISSUES IN ONGOING PROJECTS:**

- **Energy & Facilities Manager Updates (see attached)**  
The City Hall charging station should be installed after scaffolding removal on July 6<sup>th</sup>. A surveyor came to Tad's office to review documentation on the railroad right of way and could not find the maintenance agreement between the State and Lebanon, but did find documents referencing the agreement, with dates. He should be able to find the document via a Freedom of Information request. Tad has had initial conversations with Siemens regarding a performance contract.
- **EV Subcommittee**  
The EV Subcommittee did not meet since the last LEAC meeting. Next Tuesday at 10am, the NH PUC is having a public session on comments re: EV charging rates.
- **City Solar Phase 1 and Phase 2**  
Greg, Clifton and Tad met with Airport Director Carl Gross to review possible solar sites at the Airport. Carl was very receptive to the projects. Jon and Woody have been

looking at possible Phase 2 sites. Several sites that looked good on the GIS required more logging/clearing than expected. There is a possible site at the landfill that is in the 100-year floodplain, but Clifton suggested that dual axis trackers could be installed tall enough to keep the electronics/connections above the flood level. Joan requested to join the Solar Subcommittee; Gene offered to step down. Chair Below declared that Joan was joining the Subcommittee in place of Gene. Current subcommittee membership: Greg (Chair), Clifton, Jon, Woody, and Joan, with a quorum of 3.

- **LED Streetlight Conversion Project – DE 19-064 & DE 19-187**

While discussing the upcoming Liberty Rate M for outdoor lighting, Clifton pointed out that negotiations with Liberty resulted in dramatic reductions in the depreciated value of Liberty-owned streetlights and, therefore, Lebanon's buyout costs to replace them with City-owned lights. Liberty-owned LED streetlighting will be offered in 3000K and 4000K color temperatures. The LED-2 tariff includes much of the terms from the special lighting contract negotiated by the City and Liberty. Note that the tariff allows the municipality's contractor to remove utility-owned lighting and install new lighting simultaneously. Clifton also reviewed the new "Rate EV" for Time of Use EV charging.

- **Lebanon Community Power (LCP) & CPNH**

CPNH's Governance group has been meeting to discuss bylaws, process for election of officers, goals, etc. CPNH is reviewing the bylaws of several other community aggregations. The City has met with Freedom Energy Logistics and First Point Power (City's electric supplier) to determine if a small-scale pilot of Lebanon Community Power could be implemented with the City's municipal electric accounts.

- **Other Energy & Facilities Manager Updates.**

None

## **REVIEW POSSIBLE IMPLICATIONS OF LOCATIONAL VALUE OF SOLAR STUDY FOR GROWTH ALONG ROUTE 120/DHMC**

Clifton gave an overview of a presentation of Local Value of Distributed Generation, and discussed the potential updates needed to the Mount Support Substation for future growth (primarily at DHMC). He noted that the usage at Mount Support tends to peak in the summer, with a mid-day peak. The usage ties well with solar insolation, which implies that solar would help eliminate much of this demand, reducing much of the need for these utility upgrades and replace dirty grid energy with clean renewable energy. It might be cheaper for DHMC to install solar, rather than pay for utility upgrades.

## **PUC GRID MOD ORDER & DATA DOCKETS**

Not discussed – Clifton has some documents he will forward to the Committee for future discussion.

**OTHER & OPEN TO THE PUBLIC**

None.

**REPORTS & NOTICES of energy related Conferences, Webinars, & Events**

None.

**FUTURE AGENDA ITEMS**

None.

**NEXT MEETING:**

Scheduled for Thursday, July 16<sup>th</sup> at 3pm.

**ADJOURNMENT:**

A motion was made by Joan to adjourn the meeting at 5:21 PM. The motion was seconded by Greg. The motion was unanimously approved by roll call vote.

Respectfully submitted,  
Gregory Ames

DRAFT



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## EFM Report, July 13<sup>th</sup>, 2020

### Solar

LEAC members Woody Rothe and Jon Chaffee have been identifying and culling potential solar sites for the Phase 2 Solar Project. ReVision has identified the optimizers on the PD and Landfill Maintenance Building as the source of the interference for the PD radios. They are proposing to replace the optimizers with either a string inverter, or micro-inverters. The latter would add cost to the project, which ReVision has said would affect the PPA rate; cost estimates forthcoming from ReVision. We are waiting to see the result of this renovation before deciding whether to issue an RFP for the Phase 2 Solar Project.

### Electric Vehicles

- City Hall: ReVision will install the EV charger at City Hall sometime this soon, likely next week.
- Nissan Leaf EV: There is now an Outlook calendar where City staff can reserve use of the EV. The EFM is training staff in basic use of the car, will do a group training with Nissan personnel when the Covid pandemic allows it.
- Electrify America: EA sent a surveyor to review more documents pertaining to the site. They did not find the 'supplemental agreement' between the City and NH DOT RR Bureau that they were looking for that specifies the rights and responsibilities of the City for this land, but they did find documents that referenced it. We expect that a FOI request has been filed for this supplemental agreement document and we will hear from EA soon.

### Streetlight Conversion Project

PUC approval of the LED-2 Streetlight Tariff has happened, and it went into effect July 1<sup>st</sup>, 2020. We have been working with Mark Goodwin in the Planning Office and Liberty Utilities to confirm the inventory. We anticipate that 819 streetlights will be converted, and 83 removed. Three RFP's are just about finished and should be issued by the City on Monday:

- RFP #1 – purchase of LED networkable luminaires and undertake a photometric study of the City's public streetlights
- RFP #2 – purchase of smart network control nodes
- RFP #3 – installation of streetlights, control nodes, and facilitate input of these new assets into the City's asset management program Beehive

## **Municipal Aggregation**

aka Lebanon Community Power – Asst. Mayor Below and the EFM are participating in meetings of the state-wide coordinating group of Community Power New Hampshire which is establishing a ‘back office’ to support Community Power programs’ development and operation. Julia Griffin and April Salas of Hanover are major collaborators. We hope to have LCP up and running by the end of this year or early next year. The M.A. Subcommittee has proposed that Lebanon stand up a pilot aggregation program this year that would involve 100-200 metered accounts.

## **Other**

- Walker Roofing is slated to repair the roof at the DPW Garage and possibly Landfill Recycling Building.
- City Hall Renovations: Renovation work resumed in June with precautions around the pandemic. Resilient Building Group is undertaking a Commissioning of the new HVAC system, and will be applying for energy efficiency incentives for the City. We will be working with RBG to include new equipment at City Hall in the Facility Assessment Plan. EFM needs to review the benefit/cost analysis of the Thermal Energy Storage because the capital costs from the architect’s engineers were substantially higher than RBG’s: \$250k vs. \$130k.
- Municipal Audits: EFM is still looking for outside funding to undertake comprehensive energy audits and retro-commissioning on City buildings.
- DPW Admin HVAC: Honeywell installed new ductwork on the 2<sup>nd</sup> floor and re-balanced the ventilation system. The building has been operating much more smoothly since.
- Honeywell HVAC Maintenance Contract: EFM and DPW directors met with the regional Honeywell rep. to discuss issues last week. They are trying to remedy some concerns we have had.
- Facility Assessment Plan: DPW is leaning towards hiring Dubois & King to do the FAP. We have been in negotiations with them re the building list and scope, which might include drone surveys of the roofs of the GAR building and City Hall bell tower. Also included is data from the FAP presented in a way that will facilitate easy entry into Beehive. Buildings proposed for the 1<sup>st</sup> round of FAP are:
  - Airport Terminal
  - Airport Maintenance
  - DPW Garage
  - DPW Admin (Moses S.)
  - Solid Waste Maintenance
  - Kilton Library
  - Recycling Center
  - Veterans Memorial Pool
  - GAR Hall
- Incident Command Training: EFM is taking a three-day training hosted by the Fire Dept. It trains staff to effectively respond to major disruptive events in the City or surrounding area, both planned and unplanned.