



**LEBANON ENERGY ADVISORY COMMITTEE (LEAC)  
MAY 18, 2023 - 4:00 PM**

**MEETING ROOM #2, CITY HALL OR  
REMOTE VIA VIRTUAL PLATFORM  
LEBANONNH.GOV/LIVE**

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- 1. Call to Order**
  - 2. Approval of Minutes**
    - A. April 20, 2023
  - 3. Old Business**
    - A. Legislation/PUC Regulations/CPCNH Updates
    - B. Landfill Gas to Energy Updates
    - C. Municipal Solar Updates
    - D. EV Charging RFP (Lebanon/Hanover/Hartford)
    - E. Report on Rental Decarbonization Pilot/Weatherization
    - F. Master Plan Update/Lebanon Strategic Plan
    - G. LCP Updates
  - 4. New Business**
    - A. Charging and Fueling Infrastructure (CFI) Grant Application
    - B. Phase 3 Solar
    - C. Strategic Plan Presentation to Council
    - D. GHG Reduction (Fleet Electrification/Building Conversion)
    - E. EV Subcommittee Report
    - F. Recent and Upcoming Conferences or Webinars of Note
    - G. EFM Report
  - 5. Open to the Public**
  - 6. Future Agenda Items**
  - 7. Adjournment**

Meetings are open for in-person and remote attendance. Members of the public that wish to attend remotely may do so by going to [LebanonNH.gov/Live](https://LebanonNH.gov/Live) where you will find instructions on how to enter the meeting. Members of the public will be able to participate and ask questions through the City's virtual platform or by phone. Please note: Should technical difficulties occur during the meeting that disrupts virtual or phone connection(s), the meeting will continue without remote access capabilities.

AGENDA  
LEBANON ENERGY ADVISORY COMMITTEE  
May 18, 2023  
4:00 PM

AGENDA ITEM 2  
APPROVAL OF MINUTES:

**APRIL 20, 2023**



## LEBANON ENERGY ADVISORY COMMITTEE MEETING MINUTES

Council Chambers, City Hall

April 20<sup>th</sup>, 2023

4:00 PM

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**MEMBERS PRESENT:** Greg Ames (Chair), Jon Chaffee (Vice-Chair), Clifton Below (Council Representative), Woody Rothe, Sherry Boschert (remote)

**MEMBERS ABSENT:** Meghan Butts (alternate), Devin Wilkie (Council alternate)

**STAFF PRESENT:** Tad Montgomery

**GUESTS PRESENT:** James Mashal, Max Sclar (remote), Henry Bromberg (remote)

**CALL TO ORDER:** Meeting called to order by Greg Ames at 4:16 PM.

### ACCEPTANCE OF MINUTES

Woody Rothe moved to accept the March 16<sup>th</sup>, March 31<sup>st</sup>, and April 4<sup>th</sup> 2023, LEAC meeting minutes with edits; Jon Chaffee seconded. The minutes were approved unanimously with two changes.

Greg Ames pointed out the following inaccuracies in previous minutes, to be noted in these 4/20/23 LEAC Minutes:

- Gene Homicki has not been a LEAC alternate since August, 2022, and should not have been listed as such in the meeting minutes since then.
- In the January 12th, 2023 LEAC EV Subcommittee minutes it was incorrectly stated that Norwich Technologies gave a presentation on EV chargers using stand-alone solar trackers. It was Solaflect Energy that gave the presentation about their new system, not Norwich Technologies.

### 1. Old Business – Updates on:

Legislation/PUC Regulations/CPCNH Updates – Clifton Below gave an update on SB166, which passed the Senate and was unanimously approved in the House STE Committee recently. It would allow for generation projects of up to 5 MW per project, and allow each project to receive credit for avoided transmission costs. Mr. Below expects a floor vote in May. Mr. Below also described recent conversations with developers about using battery storage to enable the deployment of >5MW solar arrays with the storage being used to reduce output to <5 MW AC, and then feeding the remainder back into the grid after sunset.

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\* **QUORUM NOTE:** When LEAC has five members, three need to be physically present to create a quorum.

1 Landfill Gas to Energy Updates – Tad Montgomery said that Erica Douglas has  
2 reported that 85% of the equipment has arrived, including the gas conditioning skid.  
3 Mr. Below mentioned that he has seen renewed interest in the use of Renewable  
4 Identification Numbers (RINs) to increase the value of electricity produced through  
5 landfill gas and used for transportation.

6 Municipal Solar Updates – Tad Montgomery gave an update on the City's Phase 3  
7 solar project, with two pre-proposals received from interested companies and a 3<sup>rd</sup>  
8 expected. Clifton Below commented on the additional value of single-axis and dual-  
9 axis trackers, and a 4.99 MW pilot that Unitil is developing with ReVision using  
10 single-axis trackers. Mr. Below said that the recent Value of Distributed Resources  
11 study shows the value of capturing late afternoon and early evening solar  
12 production. He said that the PUC has developed standardized modeling software  
13 that can be used to estimate solar tracker production and value from specific sites,  
14 and there will be trainings on the use of this software soon.

15 Report on Rental Decarbonization Pilot/Weatherization – Jon Chaffee and Woody  
16 Rothe gave an update on the project and their work to find funding sources for multi-  
17 family housing energy upgrades. They are working with LISTEN to develop a survey  
18 that could be used to bolster applications for federal grant funding. They noted that  
19 they have met with Planning Director Nate Reichert, and he has been very  
20 knowledgeable and helpful to their efforts.

21 Master Plan Update/Lebanon Strategic Plan – no updates.

22 Lebanon Community Power – There was a general discussion of the public forum on  
23 4/4/2023, and problems with the mailing that went out involving up to 2,000 returned  
24 mailers in Lebanon as well as other towns. CPCNH is now planning a 2<sup>nd</sup> mailing to  
25 everyone in the towns in Liberty territory that were involved in the problem.

26 CPCNH will be compiling data on the amount of greener electricity that has been  
27 chosen by ratepayers in the Wave 1 launch communities and providing it regularly.

28 Tad Montgomery noted that City Management has decided to put all available  
29 electric accounts onto the CLCNH Clean 100 plan, at an estimated savings of  
30 ~\$7,000 over current Liberty default service rates this year. There was discussion  
31 about a city press release to announce this.

Woody Rothe mentioned that Sustainable Hanover is creating window decals to give to businesses that opt-up to Clean 100.

## 2. New Business

Charging and Fueling Infrastructure (CFI) Grant – Sherry Boschert gave an update on the City's work to apply for this federal grant for public EV infrastructure development. There has been a lot of progress, but the timeline is tight. Ms. Boschert has also developed an online survey that encourages residents to give input into their needs and preferences regarding EV's. it can be found on the City's EV page: <https://www.LebanonNH.gov/EV>

EV Subcommittee co-sponsoring public forums, 4/18, 4/22, 4/26 – Sherry Boschert mentioned the following forums that are meant to gauge public interest in EV's, answer questions about Community Power, and help bolster the equity component of the CFI grant application:

- Tuesday, April 18<sup>th</sup>, online on Zoom
- Saturday, April 22, 2023, 1:00 - 3:00 PM in person at the Kilton Library Drive Electric Earth Day (80 Main Street, West Lebanon).
- Wednesday, April 26, 2023, 12:00 - 1:00 PM: [online here via Zoom](#)

EV Subcommittee Report – see above.

Recent and Upcoming Conferences or Webinars of Note:

*Energize Upper Valley report, 4/1/23* – LEAC members discussed the recent event in White River Junction.

[Green Your Fleet Event](#), 6/9/23 – NH Motor Speedway.

EFM Report – none was given.

## ADJOURNMENT

A motion to adjourn the meeting was made by Jon Chaffee, seconded by Woody Rothe, and passed unanimously at 5:48 PM.

Respectfully submitted,

*Tad Montgomery*

AGENDA  
LEBANON ENERGY ADVISORY COMMITTEE  
May 18, 2023  
4:00 PM

AGENDA ITEM 4  
NEW BUSINESS:  
d. GHG REDUCTION (Fleet Electrification/Building Conversion)

# **CITY VEHICLE SCHEDULE**

| DEPT                        | YEAR | MAKE/MODEL                              | REPLACE WITH                        | YEAR TO BE REPLACED | FUEL USED PER YEAR - GAL. | GHG REDUCED MTCO2e |
|-----------------------------|------|-----------------------------------------|-------------------------------------|---------------------|---------------------------|--------------------|
| DPW                         | 2013 | FORD F250 PICKUP TRUCK                  | 3/4 TON PICKUP W/PLOW               | 2023                | 716                       | 6.4                |
| DPW                         | 2009 | FORD TAURUS                             | PASSENGER                           | 2024                | 129                       | 1.1                |
| DPW                         | 2014 | FORD F-250                              | QUAD CAB F250 3/4 TON PICKUP W/PLOW | 2025                | 572                       | 5.1                |
| FIRE                        | 2015 | FORD EXPLORER: FD CAR 2                 | EQUIVALENT EV                       | 2025                | 561                       | 5.0                |
| REC                         | 2011 | FORD F250                               | 1 TON DUMP WITH PLOW                | 2025                | 200                       | 1.8                |
| AIR                         | 2012 | CHEVY SILVERADO 2500                    | SIMILAR MAKE/MODEL                  | 2026                | 270                       | 2.4                |
| FIRE                        | 2016 | FORD EXPLORER: FD CAR 3                 | EQUIVALENT EV                       | 2026                | 219                       | 1.9                |
| REC                         | 2011 | FORD RANGER                             | F150 LIGHTNING OR EQUIVALENT        | 2026                | 600                       | 5.3                |
| AIR                         | 2001 | CASE 821 FRONT END LOADER - diesel      | SIMILAR MAKE/MODEL                  | 2027                | 1,143                     | 11.7               |
| DPW                         | 2017 | FORD F-150 CREW CAB                     | F250 4WD CREW CAB PICKUP W/ PLOW    | 2027                | 606                       | 5.4                |
| FIRE                        | 2017 | FORD EXPLORER: FD MIH                   | EQUIVALENT EV                       | 2027                | 317                       | 2.8                |
| DPW                         | 2019 | SKID STEER/LOADER - Diesel              | SKID STEER W/ATTACHMENTS            | 2028                | 3,380                     | 34.5               |
| AIR                         | 2009 | CHEVY SILVERADO 3500                    | SIMILAR MAKE/MODEL                  | 2029                | 270                       | 2.4                |
| DPW                         | 2018 | FORD F-150 EXTENDED CAB                 | F250 QUAD CAB WITH PLOW             | 2029                | 251                       | 2.2                |
| DPW                         | 2019 | TOYOTA HIGHLANDER                       | FULL SIZE CAR                       | 2029                | 1,000                     | 8.9                |
| AIR                         | 2009 | NEW HOLLAND TRACTOR - TV6070 - diesel   | SIMILAR MAKE/MODEL                  | 2030                | 1,182                     | 12.1               |
| AIR                         | 2011 | FORD F350                               | SIMILAR MAKE/MODEL                  | 2032                | 270                       | 2.4                |
| DPW                         | 2014 | FORD FUSION                             | PASSENGER                           | 2024?               | 93                        | 0.8                |
| PD                          | 2016 | RAM 1500: PD -21                        | EQUIVALENT EV                       |                     | 183                       | 1.6                |
| PD                          | 2017 | FORD EXPLORER POLICE INTERCEPTOR: PD-25 | EQUIVALENT EV                       |                     | 897                       | 8.0                |
| PD                          | 2014 | FORD TAURUS POLICE INTERCEPTOR: PD-26   | EQUIVALENT EV                       |                     | 254                       | 2.3                |
| PD                          | 2016 | FORD EXPLORER: PD-27                    | EQUIVALENT EV                       |                     | 415                       | 3.7                |
| TOTAL POTENTIAL GHG OFFSET: |      |                                         |                                     |                     |                           | 128                |