



**ELECTRIC VEHICLE (EV) SUBCOMMITTEE
LEBANON ENERGY ADVISORY COMMITTEE (LEAC)
MAY 19, 2022 - 3:00 PM
COUNCIL CHAMBERS, CITY HALL OR
REMOTE VIA VIRTUAL PLATFORM
LEBANONNH.GOV/LIVE**

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- 1. Call to Order**
 - 2. Approval of Minutes**
 - A. April 18, 2022
 - 3. Old Business**
 - A. Data Gathering on Electric Vehicles in Lebanon
 - B. Electric Vehicle Infrastructure RFI
 - C. Clean School Bus Program
 - D. Planning Code Revisions
 - E. Electric Vehicle Coalition
 - 4. New Business**
 - A. Fast Charges at Police Station
 - B. Plan a Public Event for Winter 2022-23
 - 5. Open to the Public**
 - 6. Future Agenda Items**
 - A. Set Standard Meeting Time: 2nd Thursday of the Month for 3PM
 - 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 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 - ELECTRIC VEHICLE SUBCOMMITTEE
MAY 19, 2022

AGENDA ITEM 2
APPROVAL OF MINUTES:

April 18, 2022

DRAFT ELECTRIC VEHICLE SUBCOMMITTEE MEETING MINUTES
(Subcommittee of the Lebanon Energy Advisory Committee)

Council Chambers, City Hall

April 18th, 2022

4:00 PM

MEMBERS PRESENT: Sherry Boschert (Chair), Meghan Butts (LEAC Alternate, remote), Greg Ames, Clifton Below

MEMBERS ABSENT: None

STAFF PRESENT: Everett Hammond, Tad Montgomery (note taker)

GUESTS PRESENT: Darla Bruno (Sustainable Lebanon), Rainie Kelly, Cori Hirai (Planning Board)

CALL TO ORDER: Meeting called to order by Sherry at 4:08 PM.

APPROVAL OF MINUTES:

Clifton moved to accept the 6/17/2021 minutes; Sherry seconded. Approved unanimously.

OLD BUSINESS:

1. **F-150 EV** – The City has placed a refundable deposit for an electric Ford F-150 Lightning. Delivery expected in August, 2022. Thanks to Greg Ames for swapping reservations with the City so that the City can get theirs sooner.
2. **EV Toolkit Program** – no update on this, Meghan recommended to ‘move on.’

NEW BUSINESS:

1. **City EV Development to Date** – Sherry gave a presentation outlining the City’s work developing EV infrastructure to date (appended to these minutes).
2. **Public EV Infrastructure RFI** – Tad gave an update of the three-town RFI, which is due 4/21/2022. Clifton mentioned the idea of substantial EV charging at the landfill that would make use of electricity soon to be generated there. Sherry offered to work with this group on the proposals from the RFI.
3. **CoL Registered EV’s** – a discussion on how to determine the number of EV’s registered in Lebanon, and how that has grown over time. Tad to ask the City Clerk. Clifton said that Rep. Almy has had statewide data on this in the past. Meghan said that she would

check with a contact at the DES. Darla said that a big data set could be uploaded into an Access file and sorted, and she could help with that.

4. **EV Coalition** – a discussion on the development of a statewide EV coalition. Sherry said that she would contact other organizations about forming such a coalition: NH Energy and Environment, CENH, Clean Cities NH, League of Conservation Voters, Vital Communities.
5. **Planning Code Revisions** – Cori is on the Planning Board and mentioned that she has volunteered to be on a code revision subcommittee. One possibility of a revision would be for EV chargers at new development sites.

ACTION ITEMS:

Meghan said that she would research grant possibilities for EV school busses.

NEXT MEETING:

The next LEAC EV Subcommittee meeting is scheduled for Thursday May 12th, 2022, from 3-4 PM.

ADJOURNMENT:

A motion was made by Clifton to adjourn the meeting at 5:06 PM. The motion was seconded by Greg. The motion was unanimously approved.

Respectfully submitted,

Tad Montgomery
Energy & Facilities Manager

Slides from Sherry Boschert's update on EV progress in Lebanon April 18, 2022, LEAC EV Subcommittee meeting



LEAC EV Subcommittee Chair Sherry Boschert's former home in San Francisco, at night during "fire season." After this, the day just got darker.

EV Progress So Far

In Lebanon:

- DPW has a Nissan Leaf?
- Ford F-150 Lightning truck on order
- City Manager's vision for transitioning fleet to EVs
- Helped Planning Dept. add some EVSE wording into their codes, but there are no EVSE requirements or incentives
- Tad led RFI with Hanover and Hartford for EV Equipment Partnership
- Assessed sites in downtown Lebanon for L2 or fast charging
- Met with Irving Oil to encourage them to install fast charging in Lebanon
- Airport manager monitoring EV airplane development; 4 hybrid battery small craft prototypes on order by Cape Air
- Lebanon Community Power coming, which will allow 100% renewable electricity



Sherry Boschert's first EV in 2002, the Ford ThinkCity.

National poll shows bipartisan support for EVs: shorturl.at/IrAEY

EVSE in Lebanon

Fast charging 285 N. Plainfield Rd., West Lebanon:

- Tesla Superchargers: 8 next to Price Chopper
- CCS/CHADEMO: 7 CCS, 1 CHADEMO at Walmart

Level 2:

- 1 L2 at Dept. of Public Works, 193 Dartmouth College Hwy.
- 1 L2 charger behind City Hall for city fleet use
- 1 L2 at Alice Peck Day Hospital
- DHMC main hospital: 8 L2, generally monopolized by employees
- DHMC 18 Old Etna Rd.: 1 L2 in staff parking area
- Nissan, 51 Evans Dr.: 3 L2 (friendly but a slowish charge)
- VW, 175 Heater Rd.: 1 L2, customers only
- Element Hanover Hotel, 25 Foothill St. (off Rte. 120): 2 L2 for guests
- Hypertherm, 71 Heater Rd.: employees only?

Other employers? Housing developments? And L1?



On the Horizon

- Energy portion of Lebanon Master Plan being revised this year
- Federal infrastructure funding coming: \$17 million for EVSEs in NH?
- \$5 billion nationally from EPA Clean School Bus Program, 1/2 to zero-emission buses; applications open end of April. Two webinars by Clean Cities Coalition discussed financing.

Elsewhere:

- Boston to replace 700 school buses with EVs by 2030, starting with 20 in 2022-2023
- South Burlington, Vt. School District pilot of 4 EV school buses
- Vermont House passed transportation spending package H.736 that includes \$22 million to cut cost of buying EVs and \$19 for EVSE infrastructure; would require charging stations within 1 mile of every interstate highway exit

Lebanon Master Plan 2012

- CO₂/year: Municipal operations = 8 million pounds; commercial = 1 billion pounds
- Lebanon City employee commuting only = 974,433 pounds CO₂/year (2011)
- 18,000 commuters to or within Lebanon each day
- Commercial sector is largest carbon emitter, and 70% of that is commute vehicle emissions
- Across New England, transportation produces more CO₂ than any other sector

Opportunities:

- Set goals in 2022 Master Plan energy section for EV adoption?
- Target municipal, commercial, employer, and consumer adoption of EVs?
- Target municipal, commercial, employer, and residential installation of EVSE?

Brainstorm: Questions, Goals, Tasks

Data gathering

- How many EVs/PHEVs in Lebanon? Vehicles in general?
- How do we set measurable goals?

State Politics

- Facilitate an EV Coalition statewide to rank election candidates by EV policies?

Municipal

- Improve building codes/requirements?
- Apply for Infrastructure EVSE funding?
- Apply for School Bus funding?
- Incentives for EV adoption / EVSE installation?
- Transportation: Advanced Transit, Airport



Brainstorm: Questions, Goals, Tasks

Employers

- Outreach and incentives?

Commercial

- Outreach and incentives?
- Remember that in Lebanon:
 - "Commercial sector is largest carbon emitter, and 70% of that is commute vehicle emissions"

Consumers

- Outreach & Recruiting:
 - Host Sept. National Drive Electric Week event?
 - Organize a winter event?
 - Promote "Ask a Neighbor" EV advice service?
 - Other ways to build momentum?



Tasks?

By target audience:

Data gathering
State Politics
Municipal
Employers
Commercial
Consumers

By type of activity:

Municipal Fleet & Infrastructure grants
Municipal Codes & Incentives
Outreach & Education - consumers, employers, business owners, non-profits, car dealers
State Politics
Public-private Partnerships - employers, business owners, non-profits, landlords, car dealers