



**ELECTRIC VEHICLE (EV) SUBCOMMITTEE
LEBANON ENERGY ADVISORY COMMITTEE (LEAC)
JULY 14, 2022 - 4:00 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. June 9, 2022
 - 3. Old Business**
 - A. Clean School Bus Program
 - B. Police Station Fast Chargers: Live discussion with PD Representatives
 - C. EV Infrastructure RFI
 - D. Lebanon's Ford F-150 Lightening Truck
 - E. Communicating with Planning Board, Planning Department & Developers
 - F. Increasing EV Outreach and Exposure through City Channels
 - 4. New Business**
 - A. EV Charging Stations on Light Poles
 - B. GM Dealer Community Charging Program
 - C. Report From Energy Innovation Conference
 - 5. Open to the Public**
 - 6. Future Agenda Items & Upcoming Events**
 - 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
ELECTRIC VEHICLE SUBCOMMITTEE OF THE
LEBANON ENERGY ADVISORY COMMITTEE
JULY 14, 2022

AGENDA ITEM 2
APPROVAL OF MINUTES:

JUNE 9, 2022



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

Council Chambers, City Hall

June 9th, 2022

3:00 PM

MEMBERS PRESENT: Sherry Boschert (Chair), Greg Ames, Clifton Below

STAFF PRESENT: Tad Montgomery (note taker)

GUESTS PRESENT: Darla Bruno (Sustainable Lebanon), Tom Cormen

CALL TO ORDER: Meeting called to order by Sherry at 4:10 PM.

APPROVAL OF MINUTES:

Clifton moved to accept the 6/17/2022 minutes; Greg seconded. Approved unanimously.

OLD BUSINESS:

1. **F-150 EV** – Greg reported that Ford says production of the City's truck should take place next week.
2. **PD EVs** – Tad gave an update on design of fast chargers at the Police Department. Good news from Liberty and the City Electrician on capacity of the existing transformer to handle substantial additional load there.
3. Three EVs will be participating in the Alumni Parade June 11: the City's Leaf, Greg's Tesla, and Sherry's Bolt.
4. **Planning Dept. Input** – Sherry led a discussion on ideas to have input in the Planning Board decisions relating to EV infrastructure development. See pg. 1-4 of the slides accompanying these minutes.
5. **NH EV Drivers Alliance** – Sherry has instigated a state-wide alliance to exert political influence to promote the adoption of EV charging infrastructure in NH. See pg. 5 of the slides accompanying these minutes.

NEW BUSINESS:

1. **City Goals for EV Adoption** – Sherry led a discussion on goals for EV adoption (See pg. 6 of the slides accompanying these minutes). The intention is to have such plans adopted, perhaps through the Master Planning process. Clifton suggested that it would be good

to include with proposed plans metrics for EV adoption or growth in other sectors as back-up. Tad offered to start sending Sherry such news and reports.

2. **EV Outreach and Exposure** – Sherry mentioned venues that she is exploring with City Staff to increase public awareness of EVs.
3. **Overview of Greenbelt Report** – Sherry gave highlights of a report that came through the recent EV RFI that has proven very valuable to our planning. See pg. 7-11 of the slides accompanying these minutes.
4. **EV Race Tracks** - See video of the East Coast's first EV track day in 2021: shorturl.at/hiGOV

UPCOMING EV-RELATED EVENTS & DEADLINES:

- Sat., June 11, 12:00 noon: Three EVs in the Lebanon Alumni Parade, Colburn Park
- August 19: Deadline to apply for Clean School Bus grants
- Sun., Sept. 25, 8 am to 5 pm: MassTuning TrackFest, Canaan Motor Club — A racetrack day for EV drivers only! Open to all including novices in regular street cars. No timed racing, no trophies. It's a day of safety education and fun on a legal road course. Five L2 chargers onsite, with L3 chargers nearby. See more at shorturl.at/jAW16

NEXT MEETING:

The next LEAC EV Subcommittee meeting is scheduled for Thursday July 14th, 2022, from 3-4 PM.

ADJOURNMENT:

A motion was made by Clifton to adjourn the meeting at 4:15 PM. The motion was seconded by Greg. The motion was unanimously approved.

Respectfully submitted,

Tad Montgomery
Energy & Facilities Manager

LEAC EV Subcommittee June 9, 2022**Slides by Sherry Boschert, chair**

Agenda item: Input to Planning Dept. & developers

Schedule a LEAC or EV Subcommittee informational presentation during a Planning Board work session (2nd meeting of each month) about the demand for EV charging? Contact Tim Corwin

PB Development Regulations Subcommittee will start meeting again soon. Connect with member Cori Hirai to promote EV-favorable updates to regulations?

Designate a LEAC representative to contact PB staff or attend a PB meeting each month to assess “active projects” list and give feedback/comments?



Input to Planning Dept. & developers (continued)

Multi-family housing in progress & number of Level 2 EVSE needed:

- Summit on Juniper (Dartmouth housing), Mount Support Rd. = 309 units = 22 L2
- Anagnost-Bravermanm, Mount Support Rd. = 204 units = 14 L2
- Saxon Partners, Mount Support Rd. = 250 units = 18 L2
- Heater Landing: Lebanon Housing Authority = 44 units = 3 L2
- Village Market project = 152 units = 11 L2 (they proposed 4)
- Element Hotel conversion = 120 units = 9 L2

* **Minimum total shared L2 EVSE needed** for 1,079 units if

there's no other charging onsite = **77**

* Number of EVSE **committed** = **4** (or 6 if Element Hotel has 2?)

Existing Multi-family Housing: a story

- 2018: Emerson Place Apartments resident needed a new car in 2018. Asked for EV charging.

- The supportive manager pitched the owners. Eventually, installed one L2 charger in parking lot at a cost of \$8,000 (charger \$4k, installation \$4k)
- The process took too long to help the resident. She ended up buying another gas car.
- Very soon, four residents were using the EVSE. Today, seven use it. The charger is in use ~10% of the time.
- Owners plan to install 3-4 more shared EVSEs in garage.



*Input to Planning Dept. & developers: **NEXT STEPS?***

Schedule a LEAC or EV Subcommittee informational presentation during a Planning Board work session (2nd meeting of each month) about the demand for EV charging? Contact Tim Corwin.

PB Development Regulations Subcommittee will start meeting again soon. Connect with member Cori Hirai to promote EV-favorable updates to regulations?

Designate a LEAC representative to contact PB staff or attend a PB meeting each month to assess “active projects” list and give feedback/ comments?

Draft template letter for input on planning/building projects?

NHEV

You're invited to join
a new nonpartisan alliance
of electric vehicle (EV)
drivers & supporters
in New Hampshire.
Subscribe to our Listserve at
<https://groups.google.com/g/nhev>
or email Sherry at
sherry.boschert@gmail.com

An informal alliance started by EV drivers independent of LEAC/EV Subcommittee

New Business

Agenda item: Setting goals for EV adoption in Lebanon

Baseline: 0.5% of registered light-duty vehicles in 2020 = 56 cars/trucks 2023: increase to 2%?
2025: increase to 5%?
2030: increase to 20%?

2040: increase to 70%? 2050: increase to 99%?



New Business

Agenda item: Summary of Greenbelt, Md. plan for EV infrastructure, February 2022

2020 population = 23,253 (Lebanon was 14,282)

Assumptions for calculating multi-family housing EVSE demand:

- Miles driven/year = 15,000
- EV range = 300 miles per charge (battery capacity 75 kWh)
- EV efficiency = 4 miles/kWh (0.25 kWh/mile)
- EV needs one extended charge/week (overnight or daytime session)

- So one L2 EVSE can charge two EVs/day, or 14 per week

Need: One L2 EVSE for every 14 residents

Agenda item: Summary of Greenbelt, Md. plan for EV infrastructure, continued

Recommendations in Greenbelt report:

Include EVSE in all new **construction** plans; encourage developers to do so. Encourage residential **builders** to include one L2 EVSE for every 14 residents.

Consider installing L2 EVSEs near **community** centers, fitness centers, municipal buildings, and provide free or low-cost charging for City employees and non-fleet individuals to encourage EV adoption, rolling the electricity costs into the annual budget.

Pursue partnerships with community organizations and businesses to **“adopt” a charger** for installation or maintenance.

Consider developing a **group purchase or discount** program for L2 EVSEs.

Agenda item: Summary of Greenbelt, Md. plan for EV infrastructure, continued

Recommendations for Greenbelt (continued)

- Consider developing a **standard permit request form** for EVSE installations.
- Urge **hotel** owners to ready infrastructure for one L2 EVSE per 10 room & to install a bank of at least four L2 as soon as possible.
- Urge **office building** owners to ready infrastructure for ten L2 EVSEs & to install a bank of at least four L2 as soon as possible.
- Urge **restaurant** owners to ready infrastructure for four L2 EVSEs & to install at least two L2 as soon as possible.
- Urge **shopping center** owners to study the layout of their stores and ready infrastructure for six L2 EVSE at selected locations, installing at least two L2 EVSE at each location.

Upcoming EVents

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