



ELECTRIC VEHICLE SUBCOMMITTEE MEETING MINUTES

(Subcommittee of the Lebanon Energy Advisory Committee)

City Hall Council Chambers

November 14th 2024, 3:00 PM

-- Final --

MEMBERS PRESENT: Sherry Boschert - Chair, Tom Benzel, Bill Stearns, Clifton Below.

MEMBERS ABSENT: none.

STAFF PRESENT: Tad Montgomery - Energy & Facilities Manager.

GUESTS PRESENT: Members of the Dartmouth College Cook Engineering School e-bike charging station design team: Avery Moorehead, Gannon Forsberg, Grace Connolly.

1. **CALL TO ORDER:** Ms. Boschert called the meeting to order at 3:04 PM.

2. **APPROVAL OF PAST MINUTES:**

Mr. Benzel moved to accept the September 2024 EV Subcommittee minutes; Mr. Stearns seconded. Approved unanimously. There was no October subcommittee meeting.

3. **OLD BUSINESS**

- A. **Lebanon Workplace EV Charging Policy** – Ms. Boschert said that the policy has been approved and is waiting for the Finance Director to approve a payment system for Staff and the HR Director to issue a survey to determine City Staff interest in workplace charging.
- B. **Charging and Fueling Infrastructure Grant (CFI)** – Ms. Boschert said that concern has been expressed recently from national organizations that the CFI funding might be delayed until the next administration takes office, which could result not only in delay also possible elimination of this funding.
- C. **Request for Proposals (RFP) for EV Charging Stations** – After discussing the likelihood of not receiving any CFI funding, the subcommittee members agreed that Ms. Boschert should propose to DPW leaders and the City Manager that a Request for Proposals be finalized and issued seeking proposals for installing only those desired EV charging stations that could be funded using Tax Increment

Financing (TIF) funds or by some other means besides CFI funding.

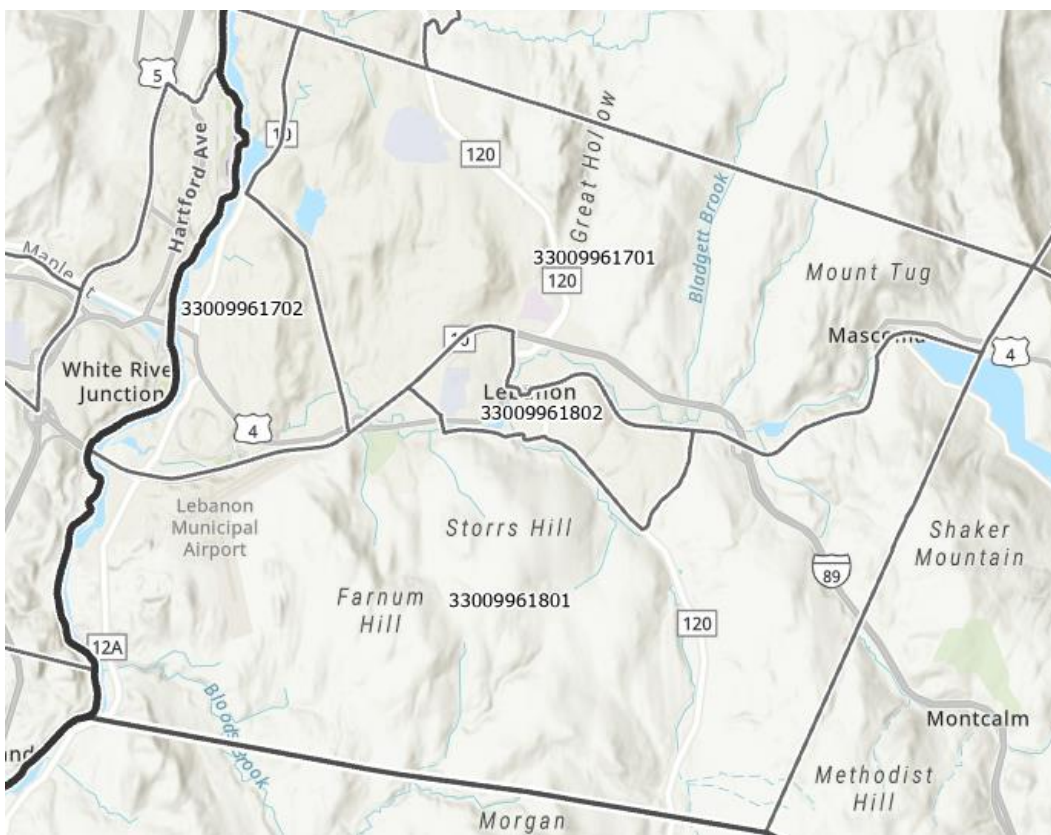
D. **Constraints on Direct Pay for EV Charging Stations** – Ms. Boschert referred to an email that Mr. Montgomery sent the Subcommittee showing regions of the City that are and are not eligible for federal Direct Pay incentives for EVCS (see below). The Alternative Fuel Vehicle Refueling Property (§30C) incentive is limited to “low-income or non-urban census tracts.” See below for the City’s census tracts that qualify and do not. On the bright side, Mr. Montgomery said that for eligible sites the incentive is per-port, not per-charging station.

33009961802 – Not Included in Appendix B: List of census tracts that are eligible for § 30C using 2020 delineations of census tract boundaries, including non-urban census tracts.

33009961801 – Included.

33009961701 – Included.

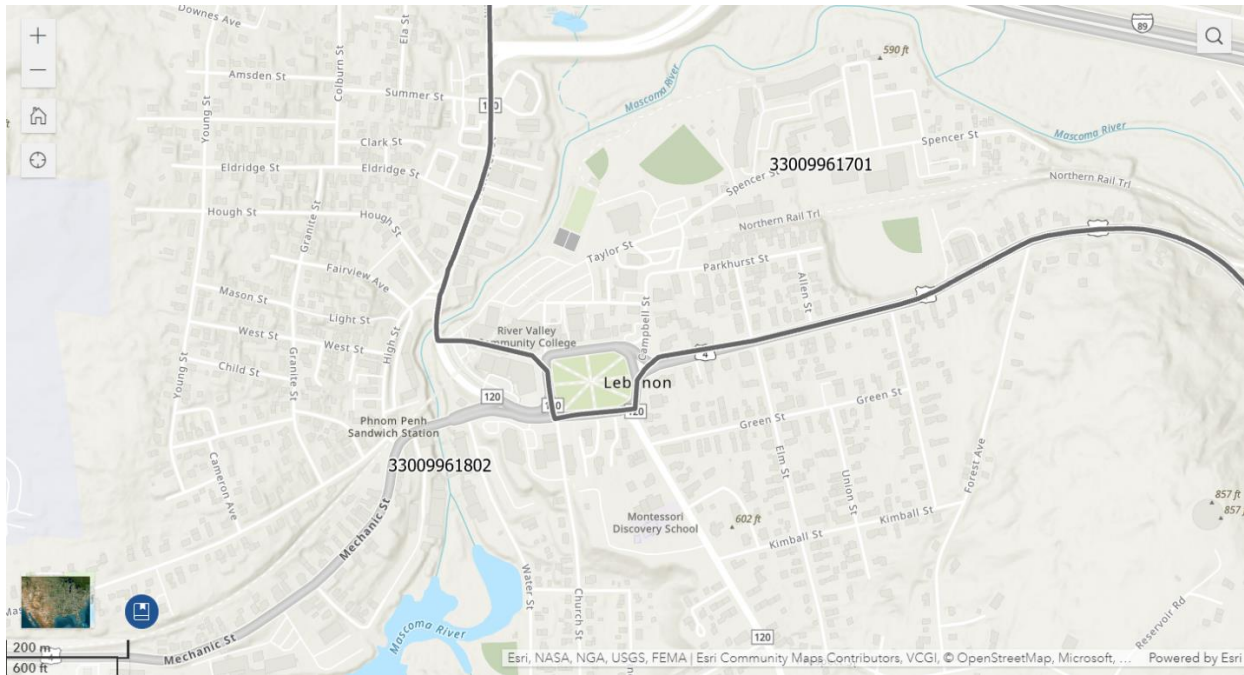
33009961702 – Not Included.



Source: [Alternative Fuel Vehicle Refueling Property Credit | Internal Revenue Service](#)

Map: [2020 Census Tract Identifier](#)

Eligible Census Tract List: [Appendix B list of 2020 census tract boundary 30C eligible tracts](#)



Mr. Montgomery said that he will confirm this information with the lawyers he is working with at L4GG and the VT Law and Graduate School.

- E. **Solaflect Solar EV Charging Station** – Mr. Benzel gave an update on technology development at the company and said that Rob Adams is working to design an RFID card reader that could be used with the EVCS to accept payments. Mr. Benzel said that this would require users to obtain these cards, and someone to oversee the project on an ongoing basis. He said that a credit card system doesn't seem to be feasible. There was more discussion on the alternative Beam Global solar EVCS system, but Beam also does not have a mechanism for receiving payment. Ms. Boschert proposed, based on her recent conversation about this with the City Manager, that the City go ahead and purchase and install a Solaflect solar EV charger. Others in the group expressed reservations, especially in light of the likely lack of a Direct Pay incentive for the project. Ms. Boschert said that she would check in again with the City Manager. Mr. Montgomery said that he would ask lawyers with expertise on Direct Pay if any part of the system is eligible.
- F. **Solar e-Bike Charging Stations** – Mr. Montgomery gave an update of the project, including a decision that day by the City Manager that the e-bike CS in

Colburn Park include chargers but no walls or roof structure. Members of the design team from Dartmouth College gave an update on the survey that they have developed to gauge interest in e-bike charging stations in town.

Announcements on the survey have already been posted through the City's LebNews and other sites, and it was decided that the end date for the survey would be Nov. 30th. Ms. Boschert has made a shortened URL for the survey: <https://Shorturl.AT/1otd9>. The team said that they have started talking with statisticians at Dartmouth about how best to interpret and use the survey results.

- G. **School District / School Board Outreach** – Ms. Boschert said that she has reached out repeatedly to School Board members and the Superintendent, most recently regarding technical assistance from the National Renewable Energy Laboratory on energy issues for schools, but has not received a response. She will take this item off the Subcommittee's agenda unless she hears from them in the next month.
- H. **Potential Revisions to Zoning Ordinance** – Mr. Below reported on a presentation he attended while at the National Community Choice Aggregation Conference in Washington DC recently about Level 1 or Low-power Level 2 vs. full Level 2 EV charging stations (EVCS). The presenter, from Peninsula Clean Energy, made a convincing argument that for multi-family residential housing the installation of Level 1 EVCS is adequate for most use cases at a fraction of the cost of installing Level 2 EVCS, and low-power Level 2 is an enticing middle option. Subcommittee members agreed to discuss at the next meeting a draft proposal for changes to the Zoning codes to incorporate these options. Ms. Boschert asked members to review the City's EVCS zoning ordinance 607.8 and send her recommendations on:
- Adjusting the Definitions to incorporate Low-power Level 2;
 - Percent of residential parking spaces required to have EVCS at Level 1, Low-power Level 2, and/or full Level 2;
 - Residential vs. commercial developments' requirements, and
 - The ratio of required EV Capable vs. EV Ready vs. EVCS Installed.

4. NEW BUSINESS

- A. **Cost Benefit Analysis Guide for Managed EV Charging** – Ms. Boschert pointed Subcommittee members to a new US D.O.E. tool called EVGrid Assist that "helps

stakeholders make actionable progress toward achieving their transportation electrification goals through validated data and tools, technical assistance and capacity building, and shared learnings from real-world experience.” See:

<https://www.energy.gov/eere/evgrid-assist-accelerating-transition>

- B. National Drive Electric Week reports from September** – Mr. Stearns gave a review of the NDEW event in New London in September and there was a discussion on collaboration with Hartford and other local communities on NDEW events next year.

5. OPEN TO THE PUBLIC

There was no public discussion.

6. UPCOMING EVENTS AND FUTURE AGENDA ITEMS:

Ms. Boschert offered the following lists:

Upcoming:

- Tuesday, Dec. 10, 5:30 pm -- Virtual kickoff of NH Comprehensive Climate Action Plan, (Register for either one [here](#)) or:
- Wednesday, Dec. 11, 9 am in Concord -- In-person kickoff of NH Comprehensive Climate Action Plan (Register for either one [here](#))
- Tuesday, Dec. 17, 1-2 pm -- Forth webinar reviewing the past year & the outlook for electrifying transportation. Register [here](#).

Recently Completed but Available:

- Video of "[A Post-election, Bipartisan Discussion of the Future of Energy and Climate Policy](#)" hosted on Nov. 8 by the Dartmouth Energy and Climate Alumni Network. (Sherry found this helpful after the election.)
- Video of a Nov. 12 webinar on "[Applying Justice40 to EV Charging](#)" hosted by the Joint Office of Energy and Transportation.
- Video of a Nov. 12 webinar by Forth on "[Plugging into the Curb: Right of Way Charging Innovations and Strategies](#)."
- Forth also recently launched another [EV Carsharing program](#), this time at a 92-unit affordable housing location in New Mexico. See also Forth's June 2024 report on "[Best Practices for EV Carsharing Programs](#)."

7. NEXT MEETING:

The date of the next meeting is Thursday, December 12th, 3 PM, Council Chambers, City Hall.

8. ADJOURNMENT:

Ms. Boschert moved to adjourn the meeting at 4:17 PM, seconded by Mr.

Benzel. The motion passed unanimously without obstruction, complication, or acrimony.

Respectfully submitted,

Tad Montgomery