



LEBANON ENERGY ADVISORY COMMITTEE (LEAC)
MARCH 17, 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. February 17, 2022
 - 3. Old Business**
 - A. Community Power Coalition of NH
 - B. Energy Related Legislation/PUC Regulations
 - C. Landfill Gas to Energy Project
 - D. Updates to Building Codes
 - E. Citywide Climate Action Planning Process/GHG Reduction Plan
 - F. EV Charging Collaboration with Hanover
 - G. Committee Membership Updates
 - 4. New Business**
 - A. Discussion of Vision and Purpose Statement in Energy Chapter of the Master Plan
 - B. Subcommittee Updates (Solar and EV)
 - C. Discussion on LHS Member Slot: Convert to Alternate or Full?
 - D. Recent and Upcoming Conferences or Webinars of Note
 - E. Discussion of LEAC Goals for 2022-2023
 - F. Discussion of REC's - Should the City Purchase?
 - 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 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
MARCH 17, 2022

AGENDA ITEM 2
APPROVAL OF MINUTES:

FEBRUARY 17, 2022



LEBANON ENERGY ADVISORY COMMITTEE MEETING MINUTES

Council Chambers, City Hall

February 17th, 2022

4:00 PM

DRAFT

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

MEMBERS ABSENT: Gene Homicki (alternate)

STAFF PRESENT: Everett Hammond, Tad Montgomery

GUESTS PRESENT: None

CALL TO ORDER: Meeting called to order by Greg Ames at 4:13 PM.

Greg Ames appointed Sherry Boschert a member in the seat of the High School student rep. Clifton suggested that the Council be approached to change that seat to a regular member.

ACCEPTANCE OF MINUTES

Jon moved to accept the January 2022 minutes; Woody seconded. The minutes were approved unanimously, with one correction: p. 4 change "Tad led meeting"

LEGISLATIVE UPDATE

Asst. Mayor Below gave an update on different bills in the statehouse that he is collaborating on on behalf of the city. SB 321 is the foremost and concerns the sale of net metered electricity up to 5 MW. He has proposed that Lebanon's landfill gas project be a pilot for this legislation, with the electricity possibly being sold through Lebanon Community Power.

SUBCOMMITTEES

Greg Ames has re-activated the EV Subcommittee and will appoint new LEAC alternate Sherry Boschert its Chair when the City Council has promoted her to full LEAC member.

OLD BUSINESS

Community Power Coalition of NH & Related Legislative Updates: Clifton mentioned that CPCNH is going through growing pains.

NEW BUSINESS

Brief update on EV's: Tad described a project between Lebanon, Hanover, and possibly Hartford to issue a joint RFI for public-use EV charging stations. Greg suggested that we incorporate into the RFI usage data from Hanover's public EV chargers.

Brief update on Landfill Gas-to-Energy project: The project's interconnect study has been granted approval from Liberty and the City has contracted with a project manager to order the turbines and build the system. The next critical path action is National Grid's upgrade to the substation. Clifton gave a comprehensive description of the obstacles with Liberty adding distributed generation to the circuit that includes the landfill.

Master Plan Energy Chapter: The Planning Office has chosen the Energy Chapter as one of two to be re-written in the next year. David Brooks met with Greg, Everett & Tad to discuss this. Greg asked all LEAC members to review Chapter 13 of the current Master Plan, especially the Vision & Purpose statement, in preparation for the start of this process at the next LEAC meeting.

Other:

- Sherry Boschert has been appointed to an alternate member position on LEAC.
- Greg said that he would be meeting with all LEAC members soon to brainstorm strategies and goals for 2022.
- Jon Chaffee discussed his ongoing research on a possible future C-PACE program (commercial Property Assessed Clean Energy finance program). Jon said that Bob Reals of NHSaves and Scott Maslansky of NH CDFA have both expressed strong interest in a C-PACE pilot project in Lebanon.

OPEN TO THE PUBLIC: None.

FUTURE AGENDA ITEMS: None discussed.

NEXT MEETING:

Is scheduled for Thursday, March 17th at 4 PM in the Council Chambers.

ADJOURNMENT:

A motion was made by Jon to adjourn the meeting at 5:28 PM. The motion was seconded by Clifton. The motion was unanimously approved by roll call vote.

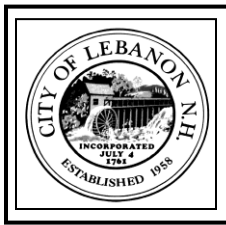
Respectfully submitted,

Tad Montgomery

AGENDA
LEBANON ENERGY ADVISORY COMMITTEE
MARCH 17, 2022

AGENDA ITEM 4
NEW BUSINESS:

2022-02-17 Memo LEAC MP Update Process



CITY OF LEBANON ~ PLANNING & DEVELOPMENT

MEMORANDUM

TO: Lebanon Energy Advisory Committee

CC: Everett Hammond, Assistant DPW Director
Tad Montgomery, Energy & Facilities Manager
Rebecca Owens, Associate Planner

FROM: David Brooks, Planning & Development Director

RE: Review and Update of Master Plan Chapter 13: Energy

DATE: February 18, 2022

Lebanon Energy Advisory Committee (LEAC) members,

The City's Master Plan was adopted by the Planning Board on March 26, 2012 as "a comprehensive plan to implement the community vision for 2030." We are now just over half-way through the 18-year planning horizon on which the Master Plan is based. While implementation efforts continue across various chapters and led by various boards, committees, and City departments, it is time to review and update the Plan to track efforts and resources, to document progress and achievements over the last 10 years, and to outline a refined set of actions and strategies to be pursued in the remaining years leading up to the 2030 planning horizon.

The Planning & Development Department is initiating a new approach to reviewing and updating the Master Plan on a chapter-by-chapter basis over the next 3-4 years. We propose to start in 2022 with Energy (Chapter 13), one of the chapters on which the City has made significant progress and which has seen significant changes in existing conditions and circumstances since it was adopted into the Master Plan on May 29, 2012.

However, instead of working with the Steering Committee for the Implementation of the Master Plan (SCIMP), the Planning Department now envisions working directly with LEAC to review and update the Energy chapter. The Department believes that LEAC, whose purpose and charge aligns with the Energy chapter, is much better positioned than SCIMP to function as the "champion" for reviewing and updating the chapter and, subsequently, to monitor implementation and track progress into the future.

Attached is a memo providing some background on the Master Plan and outlining the Planning Department's overall approach to updating the Plan. In addition, Department staff has communicated with LEAC's Chairperson and staff liaisons to outline a more specific process for the Committee to review and update the chapter over the next several months. As proposed, the Committee would undertake the following steps:

Step 1: March, 2022

Review the Energy chapter's *Vision & Purpose* Statement.

If LEAC feels that the existing *Vision & Purpose* statement still accurately reflects the direction the community would like to proceed with respect to Energy issues, or if the statement requires only minor modifications, then the Committee would proceed to Step 2 and beyond. However, if the Committee feels that the *Vision & Purpose* statement no

longer reflects the community's goals or needs with respect to the chapter, then the Planning & Development Department may halt the review and update process until a broader visioning effort can be undertaken to ascertain the community's new preferred direction.

Step 2: April – June, 2022

Review and update the body of the Energy chapter, including the *Background & Process, Issues & Priorities, Existing Conditions & Trends, and Future Challenges & Opportunities*.

This will be the opportunity to document past efforts and accomplishments since 2012 as well as changes in conditions, technology, and circumstances since the Energy chapter was last reviewed, including those reflected in the chapter Addendum adopted on July 10, 2017. This is also where we will outline and update what opportunities and challenges still remain to be tackled prior to 2030.

Step 3: July – September, 2022

Review and update the Outcomes, Actions, and Strategies of the Energy chapter.

This will be the opportunity to 'check off' actions and strategies that have already been completed and to remove any actions and strategies that are no longer necessary, feasible, or desirable, including those reflected in the 2017 Addendum to the chapter. This will also be an opportunity to add new actions and strategies that are now possible or appropriate. Ideally, the review process will result in a shorter, more-focused list of actions and strategies to be pursued in the remaining 7-8 years leading up to 2030. This may also be an opportunity to incorporate additional details on timelines, key stakeholders, potential costs, and funding sources to help with implementation of the remaining actions and strategies.

Step 4: October – November, 2022

Decide to support all proposed changes to the Energy chapter and request that the Planning Board formally adopt the updated chapter.

By statute, the Planning Board is responsible for preparing and amending the Master Plan to guide the development of the municipality. As a result, it is the Planning Board that is tasked with holding a public hearing and for making the final decision to adopt the updated chapter into the Master Plan. LEAC would be expected to help present and advocate for the updated chapter to be formally adopted into the Master Plan.

While the Planning Board will hold a public hearing at the end of the process to formally adopt the updated chapter, the Planning Department will also take steps to inform the public that LEAC will be working to review and update the chapter over a series of meetings. We will also look for opportunities to report out on the actions and strategies that have already been completed so the general public can be made aware of accomplishments over the past 10 years. Obviously, the Committee's meetings are already publicly noticed, but we will take extra steps to use the City's website, LebNews, and social media accounts to spread the word more broadly.

The Planning & Development Department looks forward to working with LEAC members to complete this review and update process so that City resources and effort can continue to be appropriately directed toward the community's goals with respect to Energy issues.

AGENDA
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AGENDA ITEM 4
NEW BUSINESS:

**CITY OF LEBANON –
MASTER PLAN - PAGE 152-
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Energy

Executive Summary

The City of Lebanon spends about \$1 million of taxpayer money on energy per year. This Energy Plan explains how the City is well positioned to save money by reducing energy use, support the local economy by diversifying energy sources, and improve the quality of life for its residents and surrounding communities.

Vision & Purpose

The long term vision for Lebanon's energy future is to increase energy savings for residents, businesses, and municipal functions, to ensure a robust and stable energy economy, and to reduce the impacts of greenhouse gas emissions that result from a fossil fuel-dependent economy. The purpose of the Energy Plan is to develop near-term outcomes, strategies, and actions that lay a strong foundation for Lebanon's energy future, for the fiscal and environmental benefit and security of the City and its taxpayers. The Energy Plan and planning process aim to:

- Prioritize specific recommendations focused on increasing municipal energy efficiency to save taxpayer money and reduce municipal energy demand, and recommend policies that promote energy efficiency over the long term in the municipal, commercial, and residential sectors.
- Provide a strategic direction for the Lebanon Energy Advisory Committee and build the committee's capacity to advocate and implement initiatives in the public interest.
- Involve citizens in shaping Lebanon's energy future.

Visions for energy savings:

- The City of Lebanon shall be a regional leader in energy efficiency, innovation, and fiscal responsibility.
- The City shall improve the energy efficiency of municipal buildings, municipal vehicles, and streetlights, and it shall promote similar efficiency measures for the commercial and residential sectors in order to significantly reduce the City's overall energy use.
- The City shall explore renewable energy options for purchase and development such as hydro, wind, solar, geothermal, biomass, and methane, within the City's control, to reduce reliance on non-local and foreign sources of energy, and promote similar projects in the commercial sector.
- The City shall address energy-related employee behaviors, such as commuting, turning off lights, waste management, etc., through social marketing and incentives.
- The City and the Lebanon Energy Advisory Committee shall involve the greater Lebanon community in a social marketing campaign that engages citizens in reducing their energy use. Educational techniques could include the following: holding topical community forums; developing visual, easily understood illustrations of the City's energy use; and giving more attention to current and recently completed municipal and commercial energy related projects.



key points | vision & purpose

- Increase energy and cost savings for the City, residents, businesses, and institutions.
- Build a robust and stable local energy economy.
- Improve energy efficiency of municipal buildings, the municipal fleet, and outdoor lights.
- Explore several promising renewable energy options in the City.
- Increase community security by becoming more reliant on local energy sources.
- Partner with businesses, institutions, and residents to significantly reduce Lebanon's overall energy use, improve efficiency, and explore alternative energy options.
- Comply with the goals of the statewide New Hampshire Climate Action Plan

- The City shall comply with the New Hampshire Climate Action Plan, which aims to reduce greenhouse gas emissions 80% below 1990 levels by 2050.

This Energy Plan seeks in part to fulfill these visions by recommending direct actions the City can take to reduce energy use, save money, and improve public and environmental health.

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Background & Process

The energy planning process closely follows the Lebanon City Council's Principles for a Sustainable Community (2009). Most relevant to this Energy Plan are three of the seven guiding principles:

- **Environmental Responsibility and Energy Efficiency.** This is categorized as care for environment, improve energy efficiency of city and reduce carbon footprint, engage community in conservation and sustainable practices.
- **Intelligent, Coordinated Development and Transportation.** This can control urban sprawl, develop walkable neighborhoods with access to businesses and homes, create balanced/multi-modal transportation systems.
- **Fiscal Responsibility.** This can strengthen tax base and enhance property values, reduce taxpayer burden, diversify revenue, meet current needs and long-term goals.

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Local, Regional and Statewide Context

Energy efficiency and renewable investment in Lebanon will help the state of New Hampshire reach its ambitious energy savings goals. Therefore, the goals and strategies of this energy plan are aligned with those of the New Hampshire Climate Action Plan (NH CAP). The NH CAP has chosen a mid-term goal of reducing greenhouse gas emissions 20% below 1990 levels by 2025. Overarching strategies of the Climate Action Plan that are most relevant to Lebanon are to:

- Maximize energy efficiency in buildings
- Increase renewable and low-carbon sources of energy in a long term manner
- Encourage appropriate land use patterns that reduce vehicle miles travelled
- Protect natural resources
- Lead by example in government operations
- Stay connected to larger efforts

Opportunities to stay connected at a state level include two annual conferences: the Local Energy Solutions conference in New Hampshire held each spring and the Vermont Energy and Climate Action Network conference held each winter. At the regional level, several organizations work to strengthen the Upper Valley's energy independence, such as Sustainable Energy Resource Group (SERG), COVER Home Repair, and Vital Communities. Every May, SERG, Vital Communities, the Upper Valley Lake Sunapee & Southern Windsor