

# Joint Committee of the CT EE Board and the Connecticut Green Bank Board of Directors Meeting

MEETING DATE: WEDNESDAY, SEPTEMBER 25, 2024 • 1:30PM





### JOINT CGB/EEB COMMITTEE MEMBERS

### **Brenda Watson**

Chair Executive Director North Hartford Partnership (Green Bank Designee)

### **Hank Webster**

Vice Chair CT Department of Energy and Environmental Protection (DEEP) (Ex Officio)

### **John Harrity**

Chair CT Roundtable on Climate and Jobs (Green Bank Designee)

### **John Viglione**

Office of Consumer Counsel (EEB Designee)

### **Melissa Kops**

Project Manager, Architect City of New Haven Department of Engineering



### **AGENDA**

## Joint Committee of the CT Energy Efficiency Board and the Connecticut Green Bank Board of Directors

#### Online

September 25, 2024 1:30 pm – 3:00 pm

- 1. Call to Order
- 2. Public Comments (5 min)
- 3. Review and Approval of Minutes for July 22, 2024 (5 min)
- 4. Healthy Housing (30 min)
  - a. Connecticut Green Bank Board Comprehensive Plan Status
  - b. Energy Efficiency Board Conservation and Load Management Plan Status
  - c. Next Steps
- 5. 2025-2027 Conservation & Load Management Plan Update (15 min)
- 6. Other Business (30 min)
  - a. Brief Update: C&I Government
  - b. Brief Update: C&I Small and Medium/Large Business
  - c. Brief Update: Residential Single Family and Multi-Family
  - d. Other Business
- 7. Public Comments (5 min)
- 8. Adjourn

#### Join on your computer, mobile app or room device

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### **RESOLUTIONS**

# Joint Committee of the CT Energy Efficiency Board and the Connecticut Green Bank Board of Directors

#### Online

September 25, 2024 1:30 pm – 3:00 pm

- 1. Call to Order
- 2. Public Comments (5 min)
- 3. Review and Approval of Minutes for July 22, 2024 (5 min)

### **Resolution #1**

Motion to approve the meeting minutes of the Joint Committee for July 22, 2024

- 4. Healthy Housing (30 min)
  - a. Connecticut Green Bank Board Comprehensive Plan Status
  - b. Energy Efficiency Board Conservation and Load Management Plan Status
  - c. Next Steps
- 5. 2025-2027 Conservation & Load Management Plan Update (15 min)
- 6. Other Business (30 min)
  - a. Brief Update: C&I Government
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# **ANNOUNCEMENTS**

- Mute Microphone in order to prevent background noise that disturbs the meeting, if you aren't talking, please mute your microphone or phone.
- Chat Box if you aren't being heard, please use the chat box to raise your hand and ask a question.
- <u>Recording Meeting</u> we continue to record and post the board meetings.
- State Your Name for those talking, please state your name for the record.



# **Joint Committee**

Connecticut Energy Efficiency Board and the Connecticut Green Bank Board of Directors

Online September 25, 2024



Agenda Item #1
Call to Order



**Agenda Item #2**Public Comments



Agenda Item #3
Approval of Meeting Minutes for July 22, 2024

# Resolution #1

# **Resolution #1**

Motion to approve the meeting minutes of the Joint Committee for July 22, 2024

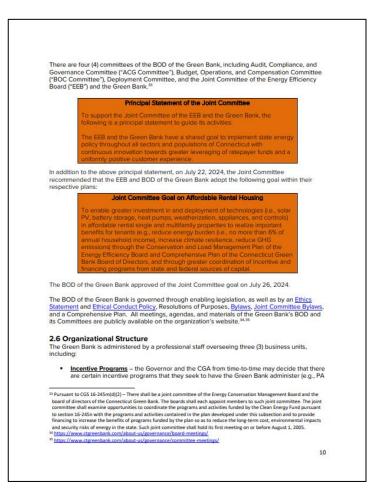




Agenda Item #4a
Healthy Housing
Connecticut Green Bank Board –
Comprehensive Plan Status

# Connecticut Green Bank Comprehensive Plan – FY23-FY25







REFERENCES

https://www.ctgreenbank.com/wp-content/uploads/2024/07/Comprehensive-Plan FY-2025 071924.pdf



Agenda Item #4b
Healthy Housing
Energy Efficiency Board —
Conservation and Load Management Plan Status

# Status of EEB Adoption of Resolution #2

### • July 2024

Joint Committee meeting, a motion was approved for the adoption of the proposed goal

### • August 2024

EEB requested that the scope be expanded to include the C&I Sector and asked that the Residential and C&I Committee meetings further outline the goal to establish what the EEB is committing to

### October 2024

Committee meeting will outline the goals from the respective sectors. Adoption of a Performance Management Incentive Metric

### November 2024

EEB to vote on adoption of resolution



Goal: To enable greater investment in and deployment of technologies (i.e., solar PV, battery storage, heat pumps, weatherization, appliances, and controls) in affordable rental single and properties multifamily to realize important benefits for tenants (e.g., reduce energy burden (i.e., no more than 6% of annual household income), increase climate resilience, reduce GHG emissions) through the Conservation & Load Management Plan of the Energy Efficiency Board and Comprehensive Plan of the Connecticut Green Bank Board of Directors, and through greater coordination of incentive and financing programs from state and federal sources of capital.

# DEEP Technical Meetings

DEEP to hold meetings on the following dates and subjects:

- October 4, 2024 CTAC Meeting on Redesign of HES and HES-IE Programs
   Utilities to provide explanation of the HES/HES-IE program redesign,
   discussion of the newly released Operations Manual for the programs,
   discussion of the Request For Information regarding Pricing, and the
   process for the RFI
- October 17, 2024 Technical Meeting on Budget Optimization Plan
  The Utilities will be required to present on Part A. of the Budget
  Optimization Plan. DEEP is particularly interested in feedback from
  stakeholders during the Technical Meeting on the proposed Budget
  Optimization Plan, including areas where it can be improved upon to
  ensure sustainable and predictable C&LM program operations.
- November 21, 2024 Technical Meeting on the 2025-27 C&LM Plan
   Public comments are welcomed on the Companies' 2025-2027 C&LM
   Plan that will be filed on November 1, 2024.





Agenda Item #4c Healthy Housing Next Steps

# Multifamily RRES Solar & EE

- Affordable multifamily properties will be allowed to access the Residential incentive program (RRES)
- Residential Tariff is higher than the alternative commercial tariff
  - \$0.3739/kWh VS ~\$0.20/kWh
- There is no cap on the number of Residential Tariff projects
- One project to benefit all tenants and common space
- Portion of the benefits must be shared with tenants.
  - Housing with Tenant-paid utilities: Tenants receive 20% of tariff via on-bill credits on their utility bill

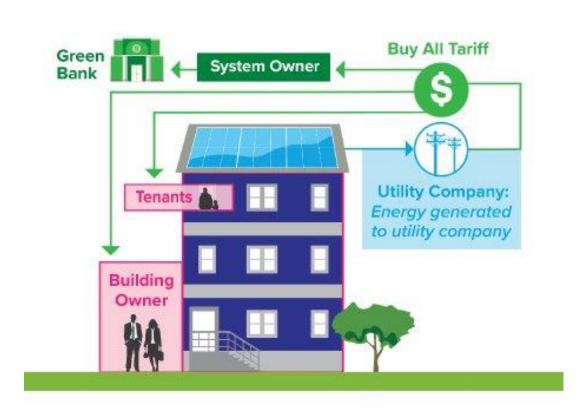


# Multifamily RRES Solar & EE

- Owner-Paid Utilities (master metered): the **net present value of 25% of the tariff** must be set aside for an upfront upgrade to the facility.
- Eligible upgrade measures include:
  - Windows
  - Air Sealing & Insulation
  - Appliances
  - Heat Pumps
  - Lighting and Controls
- Energy Storage
- Broadband Internet Access
- Energy Efficiency Barrier Remediation
- Operational Reserve (this is a measure of last resort)
- EV Charging Stations
- Greenspaces and Community Amenities
- Onsite Mental Health & Supportive Services or Residential Service Coordinator
- Security Enhancements
- Bill Credits on Electrical Bills Covered By Landlords
- Other measures as proposed by landlord



# CT Green Bank Solar and Storage Lease



- No capital requirement from property owner
- Tenants receive credits on their electric bill from production (tenant-paid bills)
- Green Bank provides upfront funds for qualifying improvement (owner-paid bills)
- Green Bank owns and maintains solar & storage asset, and bears risk



# **Agenda Item #5**2025-2027 Conservation and Load Management Plan - Update

# Developing 2025-2027 C&LM Plan

### Timeline and deliverables

### **Planning**

(March – April)

- Develop priorities
- Develop program modifications
- Develop Plan outline
- Develop budgets
- Review evaluation / study findings

### Public Input Sessions / Planning Meeting

(March –June)

- March 26
- April 3
- May 14
- June 26 -Annual Planning Meeting

#### **First Drafts**

(May – June)

- Draft budgets
- Draft text (Jun 15)
- All evaluations complete (May 15)

## Additional Drafts and Review

(July – August)

- Draft budgets
- Draft text w/revisions
- Draft savings
- Draft Program Savings Document (PSD)

#### **Final Drafts**

(September -October)

- Three additional Public Input sessions, Sep. 4 and 26 (AM/PM)
- Final budgets (Oct)
- Final savings (Oct)
- Final text (Oct)
- Final PSD (Oct)

## Approval / Submission

(October – December)

- EEB Vote: Oct 9
- File: Nov 1



# Decarbonization, equitable access, and energy affordability are Plan priorities

### **Decarbonization**

 Energy efficiency provides a long-term solution to high energy burdens and can help reduce energy usage in households and businesses

### **Equitable Access**

 Ensure benefits of energy efficiency are distributed equitably across the state, market segments, communities, neighborhoods, and customer types

### **Energy Affordability**

 Energy efficiency provides a long-term solution to high energy burdens and can help reduce energy usage in households and businesses



# Decarbonization

Residential*	Commercial & Industrial*	Education, Workforce & Community Outreach*
<ul> <li>Promote the "find a participating contractor" tool to help customers choose a qualified installer for heat pumps (Heat Pump Installers Network (HPIN), Insulation Installer Network (CTIIN), and Advanced Duct Sealing Network (ADSN).</li> <li>Promote existing homes' weatherization efforts through Home Energy Solutions (HES)/HES-Income Eligible programs</li> <li>Maintain all-electric and sustainable building practices to new construction market actors</li> <li>Expand active demand response (ADR) offerings including smart thermostats and air conditioning load control</li> <li>Maintain Qualified Products List (QPL) to standardize efficiency and qualifying criteria for heat pump technologies in Northeast</li> <li>Maintain qualified installer networks (i.e., HPIN, CTIIN, and ADSN)</li> <li>Track greenhouse gas (GHG) emission reductions for Residential Portfolio</li> </ul>	<ul> <li>Progress to all-electric and sustainable building practices</li> <li>Enhance weatherization efforts for commercial and municipal buildings</li> <li>Expand the support of ADR offerings including smart thermostats, air conditioner load control, lighting/dimming, and industrial load shifting</li> <li>Maintain/ leverage qualified installer networks (i.e., HPIN, CTIIN, and ADSN)</li> <li>Maintain QPL to standardize efficiency and qualifying criteria for heat pump technologies in Northeast</li> <li>Track GHG emission reductions for C&amp;I Portfolio</li> </ul>	<ul> <li>Green Sustainable Technical Education Program (Green STEP) to leverage manufacturer and distributor education and training efforts to promote heat pump technologies</li> <li>Require new E-Houses (on-site learning laboratories at technical schools) to be built without fossil fuels and to include decarbonization and high-performance design components</li> <li>Focus trainings on existing and emerging decarbonization-related topics in coordination with C&amp;LM programs</li> <li>Educate Community Partnership Initiative participants and communities regarding the advantages of C&amp;LM program participation</li> </ul>



# **Equitable Access**

Residential*	Commercial & Industrial*	Education, Workforce & Community Outreach*
<ul> <li>Reach customers in environmental justice communities</li> <li>Create equitable access for customers to choose qualified installers from the HPIN, CTIIN, and ADSN</li> <li>Market to customers in non-English languages to increase audience engagement</li> <li>Continue working with EEB's diversity, equity and inclusion (DEI) consultant to help modify and refocus programs with an equitable access lens</li> <li>Include extra weighting for certified minority/women/veteran-owned businesses when evaluating/scoring competitive vendor proposals</li> <li>Explore option of a moderate-income offering within HES</li> </ul>	<ul> <li>Reach microbusinesses and nonprofits</li> <li>Create tailored Large C&amp;I Retrofit solutions for new market sectors including controlled environment agriculture, clean water and wastewater facilities, nonprofits, and K-12 schools</li> <li>Support accessibility to program information for customers in environmental justice communities and in neighborhoods and communities where business owners and property managers do not speak English</li> <li>Continue working with EEB's DEI consultant to help modify and refocus programs with an equitable access lens</li> <li>Include extra weighting for certified minority/women/veteran-owned businesses when evaluating/scoring competitive vendor proposals</li> </ul>	<ul> <li>Reach customers in environmental justice communities through the Community Partnership Initiative application process</li> <li>Implement a rolling Community Grants process to provide more resources and support.</li> <li>Support increased Green STEP certifications and participation by offering more After School and Summer Energy Training programs in environmental justice communities and with non-technical high schools</li> <li>Ensure trainings are accessible to diverse participants and be responsive to demographic data captured via pre- and post-training surveys.</li> <li>Ensure 50 percent of the Energize CT Energy in Action mobile exhibit's school tours and community events are in environmental justice communities</li> </ul>



# **Energy Affordability**

Residential*	Commercial & Industrial*	Education, Workforce & Community Outreach*
<ul> <li>Leverage funding from federal and state grant programs (Low-Income Heating Energy Assistance Program (LIHEAP), American Rescue Plan Act, US Department of Energy's (DOE) Weatherization Assistance Program (WAP), Residential Energy Preparation Services, and Inflation Reduction Act (IRA) rebates and tax incentives</li> <li>Support distributors in stocking/sale of efficient equipment</li> <li>Enhance and deploy web-based resources to educate customers about low-carbon technologies, high efficiency products, and ADR offerings</li> <li>Promote ADR as part of energy efficiency offers</li> <li>Drive awareness of and provide resources for federal tax credits and IRA rebates</li> </ul>	<ul> <li>Enhance promotion of existing loan products, such as CPACE, SBEA Loan, Municipal Loan, and C&amp;I third-party options, to support long-term investments that provide immediate energy savings with little/no upfront capital costs.</li> <li>Support alternative incentive structures for various market sectors and technologies</li> <li>Conduct additional education and outreach to businesses to increase participation in energy efficiency and ADR across market segments and customer classes</li> <li>Continue outreach to renters, including to landlords and property management firms.</li> <li>Promote ADR as part of energy efficiency offers</li> <li>Drive awareness of and provide federal tax credits and IRA rebates</li> </ul>	<ul> <li>Provide energy efficiency workshops to schools and community-based organizations to help educate students and educators on various careers/paths in energy efficiency available to students</li> <li>Support community outreach through the Community Partnership Initiative to increase C&amp;LM program participation by residential and small business customers in environmental justice communities</li> <li>Educate Community Partnership Initiative grantees to drive awareness of C&amp;LM programs and process</li> </ul>





# Agenda Item #6a and #6b

Other Business

Brief Update: C&I - Government & Small, Medium,

and Large Business

# SBEA & MUNI Financing

- In 2024, Eversource and Banks have finalized three loan tranches.
  - Total number of projects (contracts) sold to the banks as of Q3 is 449
  - Total amount funded by Banks is close to \$12.5 million
- Since inception Eversource has sold over 7,600 loans total funding from banks has been close to \$110 million. Loan outstanding balance as of Q3 is \$25.8 million
- Eversource and UI have partner with a third-party financing vendor NEIF to fund loans that are exceptions to SBEA and MUNI programs, the participation on this program is low.





# Agenda Item #6c

**Other Business** 

Brief Update: Residential Single Family and

Multifamily

# **Smart-E**

Fiscal								#	Amount	Total
Year	EE	RE	CR	RE/EE	EE/CR	RE/CR	Other	Projects	Financed	Investment
2013	1	2	0	0	0	0	0	3	\$55,400	\$71,924
2014	94	39	0	4	0	0	0	137	\$1,714,779	\$2,276,901
2015	121	81	0	67	0	0	0	269	\$5,106,112	\$7,751,394
2016	104	52	0	65	0	0	1	222	\$4,506,363	\$6,124,383
2017	371	70	0	79	0	0	4	524	\$8,639,853	\$10,823,174
2018	1,333	258	0	146	0	0	12	1,749	\$27,406,112	\$34,137,183
2019	719	97	0	9	0	0	4	829	\$10,700,872	\$11,321,781
2020	612	98	0	7	0	0	1	718	\$9,761,747	\$11,338,626
2021	854	83	0	15	0	0	4	956	\$14,514,447	\$16,786,991
2022	855	39	0	7	0	0	1	902	\$14,729,680	\$16,995,032
2023	1,135	89	0	6	0	0	8	1,238	\$23,241,156	\$29,258,014
2024	1,013	238	10	6	2	5	12	1,286	\$27,592,690	\$33,219,403
Total	7,212	1,146	10	411	2	5	47	8,833	\$147,969,211	\$180,104,805

Having Celebrated 11 years in the market, Smart-E continues to deliver energy efficiency and renewable energy financing to CT Homeowners.



# Smart-E 2024

2024 was a banner year for Smart – E!

- 1286 projects
- \$33.2 Million in investment
- 1.7 MW of generation capacity
- Save 428,048 MMBTU over the projects lifetime
- Lost largest lending partner and still had a stellar year
- Piloted bridge loan for solar projects
- Launched Climate Resiliency Measures Phases 1 and 2 (electrical, landscaping and water proofing)



# **Smart-E Future Developments**

### Goal is continued growth for Smart-E

- Improve technology for instant pre-approval, project workflow to address contractor concerns and make the program more competitive
- Add new measures for resiliency (waste, wells, dams)
- Grow the number of lenders in the program



# Multifamily Initiative Financing

- Multifamily properties with five or more dwelling units eligible for MR and IE financing products
- Eversource EECs and Avangrid PMs discuss financing opportunities with customers at time of project inception
- All Letters of Agreement provide financing information and link to view available products
- Marketing efforts
  - Financing matrix handout
  - ECT website information
- In 2024, one Eversource and Avangrid projects utilized financing products in 2024





# **Agenda Item #7**Public Comments



# **Agenda Item #8** Adjourn



### **Draft MINUTES**

# Joint Committee of the CT Energy Efficiency Board and the Connecticut Green Bank Board of Directors

Monday, July 22, 2024 1:00 p.m. - 3:00 p.m.

#### In Attendance

<u>Voting Members</u>: John Harrity, John Viglione, Brenda Watson, Victoria Hacket on behalf of Hank Webster (DEEP)

Non-Voting Members: Stephen Bruno, Bryan Garcia,

Members Absent: Melissa Kops, Hank Webster

Others: Ron Araujo, Hammad Chaudhry, Diane Del Rosso, Mackey Dykes, Richard Faesy, Brian Farnen, Kathy Fay, George Lawrence, Cheryl Lumpkin, Benjamin McMillan, Ralph Mesite, Ariel Schneider, Natalia Sudyka, Becca Trietch, James Williamson, Jillian Winterkorn

#### **Unnamed Callers:**

- 1. Call to Order
  - Brenda Watson called the meeting to order at 1:02 pm.
- 2. Public Comments
  - None
- 3. Review and approval of Meeting Minutes from the March 20, 2024 meeting.

#### Resolution #1

Motion to approve the meeting minutes of the Joint Committee for March 20, 2024.

Upon a motion made by John Harrity and seconded by Victoria Hackett, the Joint Committee voted to approve Resolution 1. None opposed or abstained. Motion approved unanimously.

- 4. Update on the 2024 Legislative Session
- Brian Farnen summarized the most recent legislative session, which had 174 Public Acts and Special Acts, 2 of the Public Acts were vetoed by Governor Lamont and the remaining 172 were signed into law. He reviewed some of the Public Acts which he found relevant to the

group, including Acts related to solar projects, energy procurements and energy sources, bonds, and the regulation of PFAS in certain products. He also highlighted some bills which did not pass including SB 11 and HB 5004, though they are currently outstanding and may be addressed in the future.

- O John Harrity asked about the funding for heat pumps at the point of sale and how much customers will get per heat pump. Victoria Hackett responded that it is not determined yet and there are some logistical issues to work through in order to get to implementation of that program.
- Victoria Hackett added that in relation to the Bond Bill, the change to the revolving loan program now allows for grants, but it also allows the revolving loan fund to be implemented by a quasi-public agency and not only a non-profit organization.

### 5. Plan Coordination - Healthy Housing

- Bryan Garcia summarized the engagement timeline regarding Healthy Housing since December 2023 and reviewed the technologies available for multifamily affordable housing and affordable rentals, which now includes some technologies discussed at the May 2024 meeting. He reviewed the Solar PV incentives at the State and Federal level and Battery Storage incentives at the State level.
- Natalia Sudyka summarized the heat pump options, incentives, and program requirements for Multifamily and Single-family dwellings through the Conservation and Loan Management Fund. Victoria Hackett continued by reviewing the Heat Pump incentives at the Federal level and noted that DEEP has applied for several new Federal programs recently, or will be shortly, and there will be a more comprehensive update about those applications soon.
  - Brenda Watson asked what the interest rate of the Revolving Door Fund is and Victoria Hackett responded that it has not yet been designed and the plan is to roll out a public process this fall, and that the program can't begin before July 2025.
  - O Brenda Watson asked for clarification for Connecticut's share of the program and Victoria Hackett responded that for one program Connecticut is getting about \$100 million and for the CPRG program there is \$68 million for heat pump incentives mid-stream. As well, Connecticut will get a share of the funding that is being implemented with other states jointly around workforce development, and the estimated total for that program from the EPA is \$100 million, but it hasn't been finalized yet.
  - O Brenda Watson asked Bryan Garcia what the estimated workforce gap in the clean energy industry. Bryan Garcia responded that there needs to be more investment in workforce development in order to achieve the ambitious goals that the State has established in terms of public policy targets. Victoria Hackett added that DEEP is working closely with the Office of Workforce Strategy and DECD to understand and clarify those numbers.
- Victoria Hackett added that DEEP is working on a contracting and RFP process to develop an Incentive tool to provide information to find out which of the many incentives they may be eligible for.
- Natalia Sudyka continued to summarize options, incentives, and program requirements for Multifamily and Single-family homes for Weatherization measures and Appliances.
- Bryan Garcia added information about the Federal Tax Credits for Residential Energy Efficiency in general, though he was unsure if Multifamily Affordable Housing or Affordable Rentals are eligible.
- Mackey Dykes reviewed the Financing options and structure for Solar PV & Battery Storage combination programs for Affordable Multifamily homes.

- Bryan Garcia summarized the Federal Requirements required for these various programs and cited the Davis Bacon Act, among others. He then reviewed the principle of the Joint Committee and the State Energy policy.
- Brenda Watson reviewed the proposed goal of the Joint Committee within respective Plans of the committee members.

#### Resolution #2

Motion for the Joint Committee to recommend to the Energy Efficiency Board and the Green Bank Board of Directors, adopt the proposed goal within their respective plans (i.e., Conservation and Load Management Plan and Comprehensive Plan, respectively).

Upon a motion made by John Harrity and seconded by Victoria Hackett, the Joint Committee voted to approve Resolution 2. None opposed or abstained. Motion approved unanimously.

#### 6. Other Business

- John Harrity stated that the Roundtable on Climate and Jobs is working with Eversource to determine a way to reuse Eversource's gas vehicle fleet as they transition to an electric vehicle fleet. The goal is to use the gas vehicles as loaner cars in the training system and for those that don't have access to transportation. The issue is that workers get trained but then they can't begin work due to transportation problems, so the goal is to break that down through these efforts.
- Victoria Hackett expressed her enthusiasm to break down the walls between the different programs and help customers understand and participate in programs that work together to lower their energy burden, as well as support a more modernized grid while improving overall air quality. As well, the extra attention to assist low-income or special attention communities due to being unable to participate in the past.

#### 7. Public Comments

• Kathy Fay commented that if she was a voting member of the Joint Committee, she would have voted in support of Resolution 2.

#### 8. Adjourn

Brenda Watson adjourned the Joint Committee meeting at 2:00 pm.

Respectfully submitted
Brenda Watson, Chairperson

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