



Joint Committee of the CT EE Board & CGB Board of Directors

Meeting Date

April 17, 2019





Joint Committee

Eric Brown, Chair

CT Business & Industry Association

Ronald J. Araujo

Eversource

Diane Duva, Vice-Chair

CT Department of Energy and
Environmental Protection (DEEP)

Bryan Garcia

Connecticut Green Bank

John Harrity

Connecticut State Council of Machinists

Patrick McDonnell

United Illuminating

Amanda Fargo-Johnson

Connecticut Farm Energy Program

Bert Hunter

Connecticut Green Bank

Chris Plecs

Eversource



AGENDA

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

**Connecticut Department of Energy and Environmental Protection
79 Elm Street, Hartford
Holcombe Room, 5th Floor
Dial in information**

**Wednesday, April 17, 2019
1:30-3:30 p.m.**

1. Call to Order
2. Public Comments (5 min)
3. Review and Approval of Minutes for January 23, 2019 meeting (5 min)
4. Legislative Update (15 min)
5. C&LM Plan and CGB Comprehensive Plan – Discussion (30 min)
 - a. Timeline for 2020 Update of C&LM Plan and for next CGB Plan
 - b. Priorities
 - c. EM&V
6. Other Business (30 min)
 - a. SBEA/BEA Recapitalization
 - b. Energy Jobs Report
 - c. Energize CT Center
 - d. Other(s)
7. Adjourn

Join the meeting online at <https://global.gotomeeting.com/join/307141461>

Or dial in using your telephone:
Dial: (786) 535-3211 / Access Code: 307-141-461



Empowering you to make
smart energy choices

Joint Committee

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

Department of Energy and Environmental Protection
April 17, 2019



Empowering you to make
smart energy choices

Agenda Item #1

Call to Order



Empowering you to make
smart energy choices

Agenda Item #2

Public Comments



Agenda Item #3

Approval of Meeting Minutes for
October 17, 2018 and January 23, 2019



Empowering you to make
smart energy choices

Agenda Item #4

Legislative Update



Agenda Item #5

C&LM Plan and CGB Comprehensive Plan Discussion

Plans Discussion

2019-2021 Conservation & Load Management Plan

Connecticut's Energy Efficiency & Demand Management Plan
Connecticut General Statutes—16-245m(d)

Submitted by: Eversource Energy, United Illuminating, Connecticut
Natural Gas Corporation, and Southern Connecticut Gas

Date: November 19, 2018



Comprehensive Plan

Fiscal Years 2017 through 2019



- Timeline for Updates
- Priorities
- EM&V
- Other



Empowering you to make
smart energy choices

Agenda Item #6

Other Business

Other Business

- SBEA/BEA Recapitalization
- Energy Jobs Report
- Energize CT Center
- Other



Empowering you to make
smart energy choices

Agenda Item #7

Adjourn



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

**Public Utilities Regulatory Authority
10 Franklin Square, New Britain, CT 06051**

**Wednesday, October 17, 2018
1:30-3:30 p.m.**

MINUTES¹ (Draft)

In Attendance

Voting Members: Eric Brown, Diane Duva, Amanda Fargo-Johnson (by phone), John Harrity

Non-Voting Members: Ron Araujo, Bryan Garcia, Pat McDonnell

Others: Stephen Bruno, Jane Bugbee-Leno, Anthony Clark, Craig Diamond (by phone), Julia Dumaine, Mackey Dykes, Maritza Estremera, Brian Farnen, Taren O'Connor (by phone), Kerry O'Neill (by phone), Gentiano Parragjati, Madelyn Priest, Ellen Rosenthal, Larry Rush, Jeff Schlegel (by phone), Eric Shrago (by phone), Kim Stevenson, Brian Sullivan (by phone), Donna Wells, Nick Zuba (by phone)

1. Call to Order

Eric Brown called the meeting to order at 1:36pm.

2. Public Comments

None

3. Review and approval of Meeting Minutes for July 18, 2018 meeting

Motion to approve minutes made by Ms. Fargo-Johnson

2nd by Ms. Duva

Approved Unanimously

4. Combined Metrics – Working Group Recommendations

- Mr. Garcia and Ms. Duva to tag team on presenting the metric recommendations - They thanked the team who assisted in coordinating these recommendations
- There were two tasks this team was assigned at the last meeting:
 - Identify the combined metrics of the EEB and CGB
 - Determine what metrics best represent both organizations and present a fact sheet of said metrics for communicating to legislature and public
- Recommended Metrics Include:

- A focus of the jobs created by both organizations
- Contributions to the GSP of Connecticut
- Avoided energy costs – need to put in simpler, laymans terms
- Greenhouse gas reductions
- Public health improvements
- Increased tax revenue to the State of Connecticut
- Total investment and leverage for investments
- Number of Connecticut customers/consumers impacted

Comments made during the presentation of these Metrics:

- Mr. Schlegel mentioned still working on Power Plant equivalent as it relates to avoided energy costs
- Mr. Shrago Increase in Income Tax created as a result of the work of these organizations
- Mr. Brown requested the establishment of Renewable Portfolio Standards (RPS) – he would like to see the efficiency standards of green house gas and RPS and add those to the metrics either in comparison to other states or even to our own standards
- Mr. Brown also asked Is RPS in non-compliance? What is the cost to meet compliance?
- Mr. Harrity related that this information should be spelled out in the significance of the work being done with the metrics to prove the worth of these organizations—also in comparison to other state’s green initiative programs – Mr. Brown added that we should show how EEB and CGB are working closely together to achieve the same goals and the metrics should reflect that combined value
- Mr. Garcia gave a recap of the metrics and stated that both organizations have forward looking plans to communicate how these metrics affect the combined future efforts of both EEB and CGB
- Mr. Bruno stated both organizations should review these metrics in the same manner each time deriving a standard or apples-to-apples assessment

- Mr. Bruno also suggested the outstanding metric issues include an overall level of investment data—collection and investment data—rather than just incentive measures, calculating the entire project cost to include the entire investment – Mr. Araujo Referred to incremental incentives; to identify additional cost savings, identify items of savings that customers may not need to replace at same time as other efficiency installations - Mr. Bruno voiced a concern to ensure there is not a double count of customer savings
- Mr. Garcia stated the Department of Energy (DOE) number of savings should be considered; the State of Massachusetts (MA) does a yearly study on this and asked if the Joint Cmte should consider doing a joint study to determine savings? Mr. Harrity recommended looking at the difference between the Massachusetts study and federal [guidelines?] to see if it makes sense for DEEP & CGB to commission a study – it was further recommended that there be a review of potentially how EEB & CGB would use the information from such study so the legislature would not state a misuse or unintended use of the data compiled
- Per Mr. Garcia; the DOE report may show different data than the federal report and he suggested a review against the MA costs for their study to determine if we should go forward – Mr. Schagel also suggested the work up of a pro/con list to determine if it would be beneficial to the State of CT; summarize to see if study should be commissioned after a review of the MA costs – Mr. Garcia will work on this review with the team who put the initial metrics together
- Further discussion included EEB & CGB ensure the utilization of the metrics would be utilized to enhance the information provided in the study; Mr. Brown wants to ensure is resonates with [the organizations] focus [on metrics]; Mr. Garcia stated the team would focus on getting the proper narrative
- Ms. Fargo-Johnson asked about the inclusiveness of the leveraging component; incentives to amount of income on projects; Mr. Garcia declared the need to ensure definitions are common; Mr. Bruno stated whichever makes the most sense for projects; and Mr. Brown wants common terminology to ensure everyone is on the same page
- Conclusion; decision is to complete a comparison of the State of MA, DOE report, potentially include other parameters (direct/indirect) while looking at entire supply chain of projects
- Finally, Ms. Fargo-Johnson asked if we can look at other job studies in other States? Ms. Duva responded that Cmte can review a Rhode Island report as MA and RI used the same vendor

5. Sector Working Group Reports – Metric Recommendations

a. Brief Report: C&I – Small and Medium/Large Business - Metrics

- Mr. Dykes presented a review of Incentive Programs and Industrial Goals
- CGB reviewing financing goals with a look at; number of loans, incentives, other financiers, overlap of utility programs; combined projects and programs available to work on bringing customers the best options for enhancing their project experience
- Mr. Bruno cited there are metrics used to measure experiences on the energy efficiency plant filing
- Mr. Brown asked how are we measuring? Whereupon Mr. Dykes and Mr. Bruno suggested a survey of customers could be completed to make a determination of measuring our overall performance – Mr. Brown would like that to include surveying customers whether or not they decided to move forward with a project in order to determine all aspects of service – Mr. Bruno stated survey going forward and Mr. Dykes will survey CPACE customers and they will ensure no duplication of mailings
- Mr. Harrity suggested the survey results should help customers figure out how to proceed with energy cost saving items so they can move forward with project(s)
- Mr. Dykes revealed that they are narrowing and establishing overlap of metrics for the purpose of notifying clients of any misconceptions – Mr. Brown voiced concern that it may take awhile for customers to move forward—that history is a factor; if process was easy in past it would be easy now—if it was hard in past (whether easier now), perception is the rule and it may be difficult to convince prospective clients otherwise
- Conclusion: Willing to spend funds on survey to determine what customers to help or what market to focus on

b. Brief Report: C&I – Government – Metrics

- Ms. Rosenthal stated non-participants of past survey results were mostly utilized to determine awareness—meaning if there were different circumstances, would there be different results – She recommends checking on the small business side for vendors and determine what [feedback] they are asking their customers – Mr. Brown wants to ensure we do not overdue surveys – Mr. Clark declared that

proper questions should be determined for financing concerns to ensure the proper data is obtained in survey

- There are state and municipal projects (not so much federal) which we may not receive the most efficient survey participation – keeping in mind the size of a project matters
- Mr. Dykes stated we should determine how many are government projects, what is the gap in obtaining other projects and determine how to fill that gap
- Mr. Bruno referred to available financing; there is alternative financing available but interest rates can be high; there is some funding through banks and utilities; looking forward to muni recap coming through – It was mentioned that municipal bonding is still a financing issue
- Mr. Brown specified his concern to determine how we are under-performing in this area

c. Brief Report: –Residential – Single Family Metrics

- Mr. Araujo presented single-family home metrics and voiced challenges regarding these residential homes; there are Home Equity Solutions (HES); but how to get energy assessments and be able to implement funding and finance projects
- Per Ms. Priest, the higher income eligibility removes barriers to finance; older residences with issues of mold, asbestos, historic and out-of-date wiring can prevent project financing; need to remove those barriers to move projects forward
- Ms. Priest spoke of coordinating diversity of the loans in order to move projects with barriers forward; need to review entire project for health and safety measures; work on recording all project information so transparency for all to see
- Ms. O'Neill - Want to weatherize single family homes but so many homes built before 1980 and the challenge is to find financing—despite barriers—to help project progress beyond the initial inspections
- Ms. O'Neill suggesting that a review is made on those projects that are able to get thru current project funding then measure others that are not; look to unlock barriers from the Department of Health to get project(s) moving forward – Mr. Araujo stated that some funding can be used for remediation of barriers but also may not be enough money to remediate issues of concern – Ms. O'Neill is working with other resources with an overlap to get remediation work done on these project(s)

- Per Mr. Bruno there is lots of data to work with; 3-4 years of collection – Mr. Araujo further stated that barriers were previously not measured but will be going forward

d. Brief Report: –Residential – Multifamily Metrics

- Ms. Stevenson presented the joint multifamily goals and metrics and stated the goal is meeting gaps in the market. One goal includes reviewing the split incentive issue related to properties with owner paid utilities vs tenant paid utilities and how to address financing for these sectors;
- She noted that CHFA and DOH have increased incentive points for high energy performance and passive house construction in the highly competitive 9% low income housing tax credit (LIHTC) program. This means that all affordable housing projects funded through this program will meet cutting edge energy performance standards. This program is helping to catalyze growth of the high performance building sector in CT.
- The most pressing issue is structural misalignments between the CGB and the utility companies Re: the incentive programs having commonality between CGB and the utility companies
- Mr. Garcia recommends pursuing a joint pilot program to help explore and address these multi-family issues – Ms. Duva noted there is a meeting on Nov. 15 from 10am-12pm in New Britain re: utility cost tests.
- Mr. Brown asked what are the most challenging issues [between CGB and utilities]? Mr. Araujo confirmed there are some differences but both CGB and utility reps are working to find commonality and determine how to move forward in deficiencies – Mr. Brown asked if dialogue was open and good? Ms. Stevenson responded that there has been some “flowery” dialogue but that all parties are still at the table and putting their issues on the table for discussion – Mr. Brown concerned that all parties are still working together on the common goal and Ms. Stevenson confirmed that discussions are not personal and team continues to work to determine how to resolve ‘structural’ issues to which Mr. Araujo agreed – Mr. Brown offered all the help that team may need
- Ms. Stevenson open to Mr. Garcia’s pilot suggestion and will need to work on it; CGB trying to work on expanding goal of financing for these projects as some take several years thru approval process
- An instance of misalignment is in timing; Utilities work to get something done quickly and CGB works at longer-term projects – pilot program may work to see how this can be resolved – Budget cuts, housing in not so good shape but with CGB projects it could help these multi-family homeowners with repair, efficiency and energy issues - CGB asking utility companies to do more than they normally would on these types of projects

- Mr. Brown pleased that team continues to work together and offered help to the group regarding incentive changes or other challenges – Ms. Stevenson and Mr. Araujo agree that they are still discussing and will bring issues to the joint cmte
- Ms. Stevenson also related that they are working together to bring new metrics up to date – again concerned with leverage ratios (for CGB financed projects only) as others are financed elsewhere – team would like to have more information about other financed projects – noted that 80% of CGB finance projects are initiated from property owners; 20% come through contractors. These numbers are reversed for the utility companies, where contractors are the primary source of new projects.
- Mr. Harrity asked that inclusive prosperity be shared to reach those people who would not be able to have these changes if not for [the availability of] these programs; tell stories of improvements – Mr. Araujo added that success stories have been included in prior legislative reports

Mr. Brown voiced his appreciation for the hard work everyone put in to the common metrics and Mr. Garcia stated that this was what everyone was working on all summer – Mr. Harrity shared that the recent climate change report is out and it is up on DEEP's website; He has always felt an urgency for this work and when and where there is non-important reports in the news, we should be laser-focused to complete this work

6. Issues for Resolution

None

7. Adjourn

Motion to adjourn meeting made by John Harrity

2nd by Mr. Brown

Approved Unanimously

Eric Brown adjourned the meeting at 3:08pm

Respectfully Submitted,

Eric Brown, Chairperson



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

**CT Green Bank
845 Brook Street, Rocky Hill, CT**

**Wednesday, January 23, 2019
1:30-3:30 p.m.**

MINUTES¹ (Draft)

In Attendance

Voting Members: Eric Brown, Diane Duva, Amanda Fargo-Johnson (by phone), John Harrity

Non-Voting Members: Ron Araujo, Bryan Garcia

Others: Stephen Bruno, Jane Bugbee-Leno (by phone), Anthony Clark, Craig Diamond (by phone), Julia Dumaine, Mackey Dykes, Glen Eigo, George Lawrence (by phone), Madeline Priest, Will Riddle (by phone), Larry Rush, Jeff Schlegel (by phone), Eric Shrago, Kim Stevenson, Nick Zuba (by phone), Kerry O'Neill (by phone)

1. Call to Order

Eric Brown called the meeting to order at 1:30pm.

2. Public Comments

None

3. Review and approval of Meeting Minutes for October 17, 2018 meeting

- Mr. Garcia pointed out that Jeff Schlegel's name was inadvertently misspelled by Scribe and other corrections were identified (e.g., DEEP used in notations instead of EEB) but not submitted prior to current meeting

- Ms. Duva brought up some concerns of consolidation of comments and Mr. Brown stated that he would have to review the point he wanted to make in the fourth bullet point in agenda item 4 (RPS issue)
- Ms. Duva asked that edits/changes be forwarded to Craig Diamond and further asked that meeting notes be provided to the team earlier for review

4. Combined Metrics – Fact Sheet

- Mr. Garcia thanked all who worked on recommending, compiling and preparing metrics which have been classified in to 7 metric areas; leverage ratio, jobs, Gross State Product, tax revenues, avoided costs, public health, customers.
- Metrics Team is up to the final step of this effort which is to “develop a communication piece that shows the combined impact of CEEF and CGB”; presenting to Joint Cmte.
- Mr. Shrago thanked Steve (Bruno) and Ron (Araujo) as they worked together to determine how the evaluation of these metrics would benefit areas of delivery. Mr. Bruno stated they wanted to determine how customers benefited and included residential in customer metric. Mr. Brown asked to clarify whether customer metric included consumers and Mr. Bruno responded positively.
- Ms. Duva recommended reviewing each metric point on the Fact Sheet:
 - *Customers – **608,000 Customers Benefitted*** – Mr. Bruno indicated that metric figure may be about 100k without retail sales included. Mr. Garcia suggested a ‘key’ so that any recipient would understand the figures provided. Ms. Duva felt the 608k figure is a bit exaggerated but also wants to show how consumers are affected and benefit from green initiatives. Suggested that this metric should be defined by ‘participants’ instead of by ‘projects’. Ms. Fargo-Johnson asked if the 608k is an annual figure?; advised that each year these values are updated. Mr. Araujo pointed out that the consumer numbers will drop off over time as lighting updates are no longer a factor. Mr. Brown asked if this metric figure can be broken out in to two numbers? Yes. Mr. Brown asked if lower consumer numbers (over time) could be explained by fewer incentives? Mr. Araujo pointed out you would then be trying to explain the metric. Mr. Schlegel recommended keeping the number together but break out figures (in ‘key’) with an explanation.
 - *Jobs – **38,000 Jobs*** – Mr. Brown asked about how we create link between jobs and purchases made? Ms. Duva pointed out that the bulk of jobs created are due to specific areas of work; HVAC, electricians, plumbers, etc. Mr. Shrago remembered conversations differently regarding job creation. Ms. Duva wants consumers to understand job creations as result of green/clean initiatives. Mr. Brown recommends keeping the 38k figure and include industry jobs but Ms. Duva wants to define individual jobs not just industries. Mr. Garcia also pointed out that the objective is not to create a ‘silo’ affect between renewable energy and energy efficiency. Ms. Duva wants to educate people (consumers and legislators) to

recognize the scale of actual job creation numbers in several fields. Mr. Brown asked everyone's thoughts on this. Mr. Harrity likes it as is and feels things are okay. He is concerned that it may become diluted and feels that legislators need to be educated about the overall services and jobs created (as a result of green initiatives). Ms. Fargo-Johnson, like Ms. Duva, would like more clarification—not so detailed—but some clarification like “maintaining” jobs as opposed to “creating” them. Mr. Schlegel suggests using “supporting” and not splitting the numbers out by Green Bank or other organizations but by CT jobs created in the HVAC, insulation, solar, etc.—grounded in all jobs that are out there. Mr. Garcia read a section of the Green Bank's website from the FY17 annual report regarding how this is currently described. “Above all in FY17, working in collaboration with Eversource Energy and Avangrid through the Energize CT initiative, we continued to support a growing industry of 38,000 design, installation, and manufacturing green energy jobs in Connecticut.” He noted that a footnote notes that “green energy” means “energy efficiency, solar electric generation, wind electric generation, traditional hydroelectric generation, woody biomass, storage, smart grid, and microgrid.” Mr. Brown asked to keep the 38k number of jobs on the Fact Sheet but qualify it below (in ‘key’). Ms. Duva asked that it be as simple and succinct as possible—concerned that the legislatures may not understand how all jobs/industries (like electricians, plumbers, etc.) are employed by this (green/clean) industry. She further recommended a footnote with a hyperlink to the DOE report. Mr. Brown stated this should note “supporting” jobs rather than creating new jobs and Ms. Duva agreed.

- *Avoided Costs* – **Avoided Costs** – Ms. Duva asked Mr. Bruno about megawatts. Mr. Araujo suggested referring to a 100 megawatt plant as it is easier to remember to which Mr. Brown asked; “Is that [100 megawatt plant considered] big or small? Mr. Araujo stated that a 100 megawatt plant would power about 100,000 homes. Ms. Duva mentioned the C&LM Plan and Mr. Garcia the Green Bank Plan and each participant's megawatt contribution to the grid (including Eversource). Mr. Garcia asked if this megawatt contribution is installed capacity at peak, for example where solar PV is at maximum production. Team needs to work on these figures so legislators can understand the clean energy contributions to avoided costs. Mr. Garcia stated that power plant size and distribution must be defined. Mr. Bruno stated they are working on determining generation information. Mr. Garcia again recommended a ‘key’ with assumptions for a better understanding. Ms. Fargo-Johnson suggested making a change to the notation about homes energized and all agreed.
- *Header/Title of Page* – **Customer-Funded Green Energy Delivers Value** – Mr. Schlegel would prefer using “Clean” in title but using “Efficient” in other sections. Mr. Brown voiced concern that we be consistent in language used. Ms. Duva wants to coach legislators about green/clean energy language. Ms. Fargo-Johnson suggested “by implementation of ‘clean & efficient’” to which Mr. Schlegel agreed

the use of “clean” rather than “green”. Ms. Duva agrees as long as definitions are clearly defined as ‘clean’ only means ‘renewables’ to legislatures. Mr. Schlegel pointed out that ‘clean’ energy is polling better and more popular than ‘green’ energy. Mr. Brown summed up discussion and agreed language as using ‘clean’ instead of ‘green’ in header and defining it as ‘efficient and renewable energy’.

- *Gross State Product* - **\$5.7 Billion Increase to the Gross State Product** – Ms. Duva voiced concern that the \$5.7 Billion increase differs from the \$4.6 Billion noted on prior documents. Mr. Bruno stated figures were combined (Green Bank and CT Energy Efficiency Fund). Ms. Duva stated there is an Operation Plan as well as a Comprehensive Plan to which Mr. Brown asked; “Do we need to point out plans?” Ms. Duva again wants to define time frames and drive home ‘clean energy’ benefits to legislature. Ms. Stevenson commented that defining the figures and making them part of the State of CT GDP figures may promote a better understanding.
- *Leverage Ratio* – **Every \$1.00 Collected Results in an Additional \$4.10 of Green Energy Spending** –
- *Public Health* - **\$6.4 Million in Public Health Costs Saved** – Mr. Brown asked about the public health costs. Mr. Shrager stated figures derived from lower cost of figures obtained.
- Ms. Duva commented that plans need to be implemented and wants the legislature to think about the *plan* and not the *money* involved. Mr. Araujo pointed out that it is “about the soup not the ingredients.” Ms. Stevenson also recommended how to explain climate change better so people (legislators, consumers) will understand our goals better. Mr. Garcia and Mr. Brown pointed out that there are a lot of changes to the Fact Sheet but they have now been identified. Mr. Garcia stated the same team will be working on the changes answering Ms. Duva’s question about who is working on updates. Mr. Garcia asked if another draft can be made available by end of week? “Yes”, Mr. Bruno replied. Mr. Harrity recommended future printing on stock paper for sturdiness. All agreed next draft would be issued via email for all to approve. Ms. Duva pointed out that Ellen, Mark, Craig in Marketing should help to ensure Fact Sheet will reflect the appropriate figures utilized to define metrics. There was a further discussion about when to introduce/issue; first week of February when the Regulators and Utility Boards will be meeting. Mr. Brown stated this information will be good and thanked everyone’s work on goals/metrics and the resulting Fact Sheet.

5. Sector Working Group Reports – Metric Recommendations

a. Brief Report: –Residential – Single Family Goals/Metrics

- Mr. Araujo discussed the strategy for expanding Comprehensive Loans for residential, single-family homeowners going forward. He stated 2018 activity was low due to budget deductions and homeowners utilizing the tactics of the energy companies. In addition, marketing budgets were low.
- He further discussed the goal to obtain private sector capital to fund single-family improvements, simplify the financing approval process and reduce barriers for residential improvements in order to move projects forward. The team is working on determining areas where improvements are being implemented and working well so they know where and to whom to market in the future.
- Mr. Brown asked if there is a better fit [funding?] for some projects? Mr. Araujo pointed out that all areas of homes can benefit from these improvements and the CT Energize Heating Loan and Smart-E are utilized for financing.
- Ms. Priest pointed out there is a lot of contractor confusion and team is working to fix that; they have a good plan in the works to correct that. Per Mr. Araujo, they have regular meetings with the contractor base and Ms. Priest added that due to changes in products and turnover within contractors companies, constant communication is important. Mr. Brown asked if the proposed Fact Sheet will help to which Ms. Priest responded that it is not robust enough to assist. Mr. Araujo stated that certain projects need better communication with contractors.
- Ms. Duvá stated that the EEB Residential Committee meeting is making some time for discussing further the financing products and what they are funding. Mr. Araujo declared they are working on identifying barriers for energy efficiency improvements and ways to remediate them; primarily to have financing available so projects can move forward. Ms. O'Neill discussed how they are working with other government agencies to determine if Medicare funds can be utilized—especially for projects that would improve health of homeowners/rentors—but this funding will not be determined within the next six months.
- Mr. Araujo stated the proposed metrics are to understand which HES projects are moving forward with additional measures and which of those are being financed by what product, to determine other financing sources to support those projects with health and safety barriers and determine how those can move forward.
- Mr. Garcia feels like a lot of progress has been made and thanks to all. Mr. Brown thanked everyone as well.

b. Brief Report: –Residential – Multifamily Goals/Metrics

- Ms. Stevenson stated one established goal is to evaluate for consideration the development of Green Bank Multifamily financing products that serve market rate properties, defined as those with residents at 80% of area median income and above which existing financing products are not currently serving. The Green Bank is working to explore and determine what financing can be offered to multifamily property owners in this situation so that clean energy improvements can be introduced and developed. She also reviewed all joint multifamily goals and metrics established for FY'19 by the Companies and Green Bank.
- Ms. Stevenson clarified that the Green Bank serves a limited portion of the multifamily market through its financing programs, primarily serving existing properties that are mid-cycle. (Mid-cycle means that new financing or re-financing is not anticipated in the short term.)
- The ECT multifamily website currently provides a table of available financing for all financing programs offered by the Green Bank and Companies. There have been changes in financing program terms and other information over the last six months, but the team stays on top of any updates.
- Ms. Stevenson presented an analysis of the performance of Green Bank multifamily loans based on the multifamily metrics established by the joint team. This analysis included number of pre-development and term loans, loan amounts, units served and an utility incentive leverage ratios.
- The Green Bank primarily funds improvements to existing, master metered properties that involve electric to gas or oil to gas conversions as well as replacement of HVAC systems at the end of their useful life. Efficiency projects often include additional weatherization and other EE upgrades as well as health and safety improvements when they are needed and pencil out. Solar installations represent half of the term loans. Solar is rarely installed at the same time as energy efficiency improvements.
- The Green Bank has received ECT Multifamily Initiative applications from 6 property owners representing 8 properties. None have advanced beyond application.
- Mr. Brown asked how long the link from CT Energy website to Green Bank has been there and can it be tracked? Link has been there approximately 2+ years and joint applications are issued to both the Green Bank and the Companies if client requests financing.

c. Brief Report: C&I – Small and Medium/Large Business – Goals/Metrics

- Mr. Bruno began with goals to recapitalize small businesses; build on knowledge and analysis to not only educate legislature and consumers but to determine the best available financing and deepest cost savings for business organizations.
- The three year financing program with Amalgamated Bank will help reach these businesses. This is a per project/per account financing as there are concerns about

one customer with multiple meters going into default on outstanding loans. Funding is short on capital constraints, made to small businesses and municipalities and making certain loans are paid timely. Per Mr. Dykes, the Amalgamated Bank and Green Bank facility will allow for an increase in the SBEA borrowing cap from \$500K to \$1 million for public entities (e.g. state facilities and municipalities). Mr. Garcia stated team has worked solidly to help the business and industry sectors grow and that we note a few of these success stories for the benefit of the legislature.

- Per Mr. Bruno, the SBEA recapitalization facility with Amalgamated Bank and Green Bank will devier \$6 million in interest rate savings for the Eversource SBEA program. Ms. Bugbee-Lano stated that there is a good plan with Amalgamated Bank for Eversource and United Illuminating is looking to see if they can achieve similar goals to offer and do more for funding municipality projects.
- The small business goals are met by improving customer experience and engaging in savings and benefits. Mr. Dykes stated they will track and measure how many projects are in process and how they are financed.

d. Brief Report: C&I – Government – Goals/Metrics

- One of the goals for obtaining government projects is to determine how to integrate appropriate Green Bank financing and services and the Green Bank's capability to finance large-scale projects. Furthermore, develop new, cost-effective vehicles for mid-scale energy-saving projects.
- Mr. Dykes states that we know how our funding is being utilized and how we can expand. Therefore, team will track and measure same items as regards municipalities but it would also be helpful to find out how the Government is financing project(s); figuring out how to ask that question and if they are receiving an incentive. Also try to determine if other financing is needed for project(s). Ms. Duva recommends we review how government projects are being funded (by bonds). The State Bonding Commission meeting was cancelled on Friday but their annual report is on the Eversource website. New Governor's administration will review this commission's work when commission meets next.
- Mr. Brown asked if there were any other questions on this Government review. Mr. Harrity stated if we are helping cut energy costs for companies, that means jobs. Ms. Duva agreed the potential for increased jobs in CT—and that clean energy is producing more jobs. Although there are high energy rates in CT they are utilized most efficiently. Mr. Brown asked if we are able to measure the combined amount of the productivity and cost of projects?

6. C&LM Plan and CGB Comprehensive Plan - Overviews

- Mr. Brown related that the C&LM Plan has been approved and Mr. Garcia stated the Green Bank Plan (originally a 2-year plan – FY 2017-FY 2018) was extended for another year (i.e., FY 2019). They will discuss off-line how to time the next Green Bank Plan update along with the C&LM Plan.
- Under review of Section 4 (Develop and Maintain a Sustainable Workforce) of the C&LM Plan, Mr. Brown asked if contractors are finding skilled techs? Mr. Araujo answered “No” and then asked how contractors can find skilled and trained people to do these jobs. Ms. Duva responded to convince people that it is a secure job. Mr. Araujo did relate that we do not want customers to wait months to be served and that qualified techs are needed. Ms. Duva spoke about classes being offered at Tunxis Community College to educate people specifically for these services. Mr. Araujo, responding to a question from Mr. Brown, spoke about the requirements for the ‘lead tech’ role and how many hours they must accumulate before being able to supervise projects on their own and also to consider how many projects one person can handle/manage?
- Mr. Bruno, Mr. Garcia, and the appropriate staffs will meet in the coming months to begin to harmonize Green Bank priorities in line with the C&LM Plan
- Mr. Garcia brought up the Governor-elect energy policy transition committee recommendations. Within the recommendations were 10 top priorities (expand energy efficiency was #1), and 3 essential recommendations including support for the Governor’s proposed carbon neutral goal, creation of a green economy and jobs fund, and a council on energy affordability and equity. Asked by Ms. Duva where those funds might come from, Mr. Harrity stated if prior funds are restored to the funds from the new administration, they would consider an amount of those funds for job development within the state. Mr. Brown stated he would like to contribute to the work force development activity if it comes about but, as Mr. Garcia pointed out, we are not certain what the new administration is likely to do. Mr. Harrity pointed out that the way to deal with this is the same way as manufacturing jobs in the state; get or keep jobs/people employed here or companies and workers may relocate.

7. Other Business

- Mr. Garcia explained the battery storage slide with attendees; exporting energy generated to the grid on a battery for use later during peak evening or morning hours. Ms. Duva asked if there was funding for this plan? No, per Mr. Garcia but the Green Bank has submitted an application into the Electric Efficiency Partner Program for possible funding.

8. Action Items & Items for Next Meeting

- Draft of Fact Sheet (flyer) to Matt (Macunas?) at close of business this Friday; The memo of assumptions (key) may take longer but complete Fact Sheet with the current recommended updates and it can be adjusted later if necessary
- Mr. Garcia will connect with Eversource and decide how C&LM and Green Bank plans can come together over time
- Mr. Garcia and Mr. Schlegel asked that groups continue to apply goals, work on metrics and report back on metrics at next meeting
- Mr. Brown asked that we have a legislative update
- The finalized Fact Sheet (flyer) with recommended changes from this meeting
- **Meeting to be held on:**
Wednesday, April 17, 2019
DEEP Headquarters, 79 Elm Street, Hartford, CT 06106

9. Adjourn

Motion to adjourn meeting made by John Harrity

2nd by Ms. Duva

Approved Unanimously

Eric Brown adjourned the meeting at 3:36pm

Respectfully Submitted,

Eric Brown, Chairperson

