

| CT-EEB EVALUATION PROJECTS UPDATE -                   |   |             |           | PART 1 - MONTHLY STATUS SUMMARY |        |   |  |   |   |         |
|---|---|-------------|-----------|---------------------------------|--------|---|--|---|---|---------|
| 6/1/22  |   |             |           |                                 |        |   |  | Reports on tasks completed by Project Contractors   |   |         |
| Project (and last initial of consultant)              | Description/Outcomes  | Budget      | Invoiced  | % Spent                         | % Done | Are there Current Challenges / Concerns / Issues  | Last Task Completed  | Current task, status, expected finish date  | Next step and its deadline  | Updated |
| C1906 SEM Design and Evaluation                       | <i>The C1906 project will focus on evaluating the Strategic Energy Management (SEM), a specific initiative of the Business and Energy Sustainability (BES) program to achieve energy and non-energy benefits. The Connecticut utilities currently do not claim savings from the SEM program; this project will primarily identify methods to estimate energy savings from the program from an evaluation perspective. Over the course of this study, the evaluation team will gather information about the current state of the SEM program and barriers to claiming savings, identify effective and cost-efficient methods for collecting the data for claiming defensible savings from SEM, research and advise on program processes to support the utilities in documenting and claiming savings from the initiative, and enable an eventual impact evaluation of the SEM initiative after methods to claim savings have been established.</i> | \$264,880   | \$44,916  | 64%                             | 55%    | No  | Process evaluation in-depth interviews; April 30, 2022   | Process evaluation in-depth interviews; April 30, 2022  | Process evaluation - June 30, 2022; Impact evaluation based on process evaluation progress. | 4/29    |
| C2014 C&I Lighting Saturation and Remaining Potential | <i>The primary objective of this study is to characterize the current status of the Connecticut C&amp;I lighting market and then forecast the remaining potential for lighting programs. Phase 2 of this study is designed to better understand remaining potential in specific areas.</i>  | \$400,000   | \$310,000 | 78%                             | 60%    | No  | Interim Report on Track B on 5/27/22   | Sample design for NTG surveys is the critical path item. Data is being cleaned, stacked, and merged to create sample frame. Sample design will be depending on level of measure aggregation. DNV working to deliver interim report with information to support Track B. | Implement recent customer survey. Timing TBD based on completion of sample design           | 5/27    |
| C1902 ECB NTG and Baseline                            | <i>This study integrates NTG and market baseline research and analysis components to support improved accuracy of gross and net savings estimates for the ECB program. The study also includes non-residential new construction code compliance and estimation of NTG values for the Upstream non-lighting program. The outcomes can then be used to inform future program changes to increase program attribution.</i>   | \$688,000   | \$44,681  | 84%                             | 85%    | None  | Wrap up NTG surveys (July)   | Results presentation and draft report in August   | None  | 5/27    |
| X1931-5 Comm Refrigeration Efficiency Update Study    | <i>Update aggregate commercial refrigeration efficiency values through primary and secondary research (COP and ACOP). Recommend an approach to quantify HVAC interactive savings for measures with refrigeration savings.</i>   | \$29,600    | \$33,000  | 112%                            | 95%    | No  | Review draft submitted to Stakeholders   | Addressing stakeholder comments on review draft   | Presentation of results to utilities May 2022   | 4/29    |
| R1982.HVAC/DHW Performance and Potential Evaluation   | <i>R1982. Circuit-level monitoring of electric HVAC and DHW loads in single family homes. Data analysis to inform fuel use, seasonal efficiencies, and peak demand for HVAC and DHW equipment in single family Connecticut residences.</i>  | \$1,010,000 | \$650,000 | 64%                             | 60%    | We are in need of a contract addendum so that we can bill SCG and CNG and add already approved funds to the contract. | Completed 148 monitoring equipment installations.  | Analysis and reporting  | Analysis and reporting; dates TBD.  | 5/26    |
| R1983 HES/HES-IE Impact and Process Evaluation        | <i>The study will utilize multiple primary and secondary data sources to determine the gross and net energy savings associated with HES/HES-IE measures, as well as the effectiveness of the programs' delivery to residential customers in Connecticut. In addition to core impact (e.g., billing and engineering analysis) and process (e.g., interviews and survey) tasks, the study also includes a customer profiling effort that will combine program tracking, Census, and third-party data sources (where available) to identify geographic areas within the state that participate at higher- or lower-than-expected levels.</i>   | \$945,400   | \$44,681  | 84%                             | 77%    | None  | Presented updated billing analysis results for natural gas weatherization for both companies and programs (HES/HES-IE) | Finalizing gross and net savings by 6/15 for PSD update, as well as developing associated findings memo   | Finish impact analysis (6/15)   | 5/27    |

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| R2029 SF Weatherization Assessment and Update                 | <i>This study will provide an updated assessment of the state's progress toward its weatherization targets and will assess opportunities to revise the current draft weatherization standard.</i>   | \$135,000 | \$44,681  | 48% | 30% |      | Some lack of clarity in working with DEEP on how our work will integrate with their process, as they also just solicited public feedback on the weatherization metrics they proposed, which we are also reviewing, but this is not an immediate need, as we still need to get new program data. | Presented preliminary results of our review of DEEP's proposed weatherization metrics to DEEP and EA team (4/29), an unplanned presentation, as this was planned to only be delivered in memo form. | Developing new data request, to go back to utilities and make a new data request that would request the full set of data collected by HES vendors in the field (this was requested as the full dataset of pre- and post-weatherization work via R1983, but that data was not provided, so the EA Team directed us to expand and target the data request. Also working on drafting a memo describing the pros and cons of the weatherization metrics DEEP proposed to replace the 2012 draft Wx standard (June). | Request and review new data provided by utilities, then begin analysis of progress, based on what we get back in the data request.                                     | 5/27 |
| X1939 Early Retirement  | <i>This is an evaluation of early retirement programs in CT. In addition to evaluating the CT programs directly, it also includes secondary research and interviews on other programs throughout the country to provide program design and process guidance.</i>  | \$284,543 | \$166,134 | 58% | 75% | N/A  |   | Phase 1 final report  | Phase 2 Impact Evaluation of ER programs  | Desk reviews/customer interviews end of May 2022   | 5/27 |
| CT X2022 - Education and Engagement Evaluation                | <i>We are conducting an evaluation of the Workforce Development, Education, and Community Outreach initiatives of Energize CT. The evaluation will include cataloging the education, training, and engagement activities; conducting secondary research around best practices and lessons learned in education, workforce development, and community engagement efforts elsewhere; and primary evaluation research with program participants across selected program efforts and activities to understand potential behavior changes and identify potential energy savings related to behavior changes.</i> | \$457,000 | \$457,000 | 91% | 92% | 0    |   | Presented findings, conclusions, and recommendations to utilities on 12/10/2021   | Reporting across all efforts, expected by 5/2022; planning for primary research on community partnerships initiative will take place in July 2022 once we receive the updated information on program efforts. We anticipate conducting this research in July - September 2022 and will provide a memo to update the report in September 2022.   | Continue drafting report; plan primary research on community partnerships efforts.   | 5/27 |
| X2001 - EUL   | <i>Study to provide statistically-defensible, updated, CT-appropriate EULs for several major residential and C&amp;I measures.</i>  | \$275,000 | \$253,932 | 92% | 90% |      | We have received all data and materials requested to date.  | Launched Measure Group 3 survey in March 2022   | Measure Group 3 survey in field. We plan to conduct additional outreach in June to increase response rate.  | Submit final residential measure report, 5/31. Request contact information from utilities for additional outreach for Measure Group 3 (commercial HVAC) in early June. | 5/27 |
| X1932 DR EM&V Support   | <i>The project will assess if UI DR pilots and projects are delivered in a way that allows evaluation of results in consistent and valid manner. This effort will also involve developing defensible estimates of kW savings from UI DR programs/pilots.</i>  | \$225,000 | \$44,681  | 84% | 95% | None |   | Received comments from UI, Eversource, and the Tech consultants   | Produce updated version of the report based on stakeholder feedback 6/3/2022  | Produce updated version of the report based on stakeholder feedback 6/3/2022   | 5/27 |
| X1942 NEIs  | <i>This study will provide data and information to support expected revisions to Connecticut's cost-effectiveness tests. The research will address the high priority gaps in NEIs in the Connecticut PSD: (1) utility NEIs associated with low-income programs, such as HES-IE and EAP discounts; (2) health and safety NEIs associated with low-income programs such as HES-IE; (3) residential HP/HPWH NEIs; and (4) commercial participant NEIs.</i>   | \$325,000 | \$325,000 | 74% | 60% | None |   | Arrearage report delivered for 5/15 deadline.   | Fielding HES/HES IE Survey; Developing SBEA survey and sample (June 2022)   | Field SBEA surveys (Q2 2022); Analyze HES/HES-IE survey results  | 5/27 |
| X1931-4 New MeasureAdvanced Lighting Controls                 | <i>This study will incorporate a new measure in the PSD for Advanced Lighting Controls. Additional Primary research to be conducted starting in July 2021 for completion in fall 2021.</i>  | \$50,000  | \$40,200  | 80% | 90% | No   |   | Draft report sent to EA team for review 4/29/2022   | Drafting final presentation slides  | Review Draft report for release May 2022   | 4/29 |
| R2015. Low Load and All-Electric Residential New Construction | <i>Secondary research study on various issues related to next generation residential new construction programs and approaches. Exploring strategies, approaches, outcomes, market factors, and benefits and costs concerning advanced approaches to residential new construction that inform programs in their effort to stay ahead of industry practices.</i>  | \$75,000  | \$44,682  | 89% | 75% | None |   | Deeper dive research (April 2022)   | Draft reporting (June 2022)   | Synthesis and presentation update based on DEEP determinations, technical consultant meeting   | 5/27 |
| C2117 - RCx Persistence Study                                 | <i>Study to develop better estimates of retro-commissioning savings persistence.</i>  | \$50,000  | \$29,709  | 59% | 65% |      | Utilities have provided all requested data.   | Literature review completed in March 2022   | Stakeholder interviews in progress, expected to be completed by mid-June  | Stakeholder interviews in progress, expected to be completed by mid-May  | 5/27 |

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| R1968<br>RNC Baseline and<br>Code Compliance | <i>RNC Baseline study involving on-site inspections of homes built under the current building code.</i> | \$370,000 | \$44,681 | 4% | 10% | Eversource Item B received 5/24. Waiting on item A of the data request from the Companies and item B from UI. Due June 3. Working with Ekotrope on getting Energy Models for item C. Meeting on 6/17. | Data request: Eversource Item B delivered 5/24; waiting on Item B from UI and Item A from both, due 6/3 | Data delivery in progress, June 2022. DCF tool development in progress, to complete in early June. | Get rest of data from companies (June) and finalize DCF (June) | 5/27 |
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