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2	CT-EEB EVALUATION PROJECTS UPDATE -							Project Info Summ All SERA 22 020422 v275	PART 1 - MONTHLY STATUS SUMMARY		
3	2/4/22									Reports on tasks completed by Project Contractors	
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62	C1901 - C&I Sector-Wide Process Evaluation (non-SBEA)	<i>This process evaluation will cover the portfolio of CT's C&I programs, largely focusing on non-SBEA programs. The study will explore key questions that cut across the C&I programs and provide actionable information that will increase program cost effectiveness, market penetration, depth and comprehensiveness of savings, customer equity, and optimization of program expenditures.</i>	\$668,355	\$785,000	117%	100%	None - project complete.	Final Report completed and submitted to EA Team on 12/7/21.	None - project complete.	None.	
63	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	\$168,360	64%	55%	No	12/21/2021 - Finalize process evaluation IDIs for PA and Vendors	Process evaluation in-depth interviews; March 31, 2022	Process evaluation in-depth interviews; March 31, 2022	
64	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&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	\$180,000	45%	40%	Survey guides out for review week of 2/7	Phase 2 Kick off on 11/19/21	Survey guide development: draft on 2/4	Survey implementation (2/15/22-3/18/22)	
81	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	\$549,769	80%	75%	None	Upstream NTG results presented to EA Team, cross-cutting market actor IDIs	Fielding web-surveys for baseline component (Feb), Code compliance analysis (Feb)	Wrap up baseline surveys by end of Feb, code compliance analyses by end of mid-Feb, Reporting for upstream NTG (Feb)	
82	X1931-1 ISP Comm Boiler & Furnace Study	<i>Establish an Industry Standard Practice (ISP) baseline for boilers and furnaces in commercial buildings in CT.</i>	\$59,900	\$50,352	84%	98%	No	Final report submitted 12/14/2021	Addressing follow up comments from utilities	Finalize report based utility comments	
84	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	\$32,000	108%	90%	No	Draft report submitted and under review by EA Team 1/14/2022	Addressing EA Team comments on draft report	Develop Review Draft report for Committee review, then final report incorporating comments, then Presentation of results to utilities March 2022	

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86	R1959 Single-Family Renovations & Additions Potential Analysis	<i>Market characterization, savings potential study, and program pilot process evaluation for single-family renovations and additions</i>	\$170,000	\$170,000	100%	100%	No, final study complete - distributed 11/22	Final report, Oct 2021.	N/A, complete.	N/A, complete.	
89	R1965 HP/HPWH Baseline and Potential Assessment	<i>The study will incorporate multiple primary and secondary data sources to estimate the size of the market in CT, including previous baseline studies, purchased sales data, as well as shipment data. The team will also solicit feedback from manufacturers, distributors, and installers through interviews and surveys to better understand the future of the market for heat pumps, as well as system configurations that are dominating the market. Finally, the team will perform cost effectiveness testing at the measure level, focusing on particular system configurations of interest.</i>	\$381,000	\$273,304	72%	95%	None	Final technical presentation, 12/10/2021	Preparing revised report draft (first review draft) for EA Team review in early Feb 2022.	Preparing revised report draft (first review draft) for EA Team review in early Feb 2022.	
91	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>	\$1,015,000	\$581,000	57%	60%	No	Initiated recruitment and the installation of monitoring equipment.	Recruitment and equipment installations; ongoing QC	Recruitment of sites, installation of equipment. Deadline is as soon as possible	
93	R2027 HP/HPWH Reliability	<i>A study looking at the reliability, satisfaction, and repair costs of HP/HPWH</i>	\$75,000	\$67,522	90%	95%	None	With R1965: Final technical presentation, 12/10/2021	With R1965: Preparing revised report draft (first review draft) for EA Team review in early Feb 2022.	With R1965: Preparing revised report draft (first review draft) for EA Team review in early Feb 2022.	
94	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>	\$890,000	\$742,498	83%	75%	Yes, we are awaiting one element from Eversource (in process and expected soon) and several from UI. We have been in regular contact with the EA Team regarding the status of requests.	Presented (partial) preliminary billing analysis results, including Recurve comparison.	Surveys (finishing by mid-Feb), second wave of customer profiling insights (mid-January), as well as the billing analysis (as soon as the rest as data are available).	Beside those surveys mentioned above, the NTG results, which we've started analyzing using the survey completions to date	

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95	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	\$51,014	38%	25%	based on NMR's review of available data. No immediate deadline. Also waiting on R1983 and additional program data from Eversource that includes pre/post weatherization R-value data, which was not provided as a part of R1983. (UI stated / confirmed they did not have pre-existing data beyond R1983 info that would assist this study.) Study did not include budget for a data request beyond what was requested through R1983 process, and data coming from that study has been delayed and is incomplete for R2029 purposes, which affects program design. Working with Eversource to see if additional data are available, but the specific data points needed for the study are likely not available, and team has come up with workarounds. The study will assess weatherization progress, but one of the metrics is WAP data. WAP data from CRT were valuable, but they did not include address info, which is necessary. Tried negotiating with them to get unredacted version of database, but this is unlikely, and study will have to find new ways to move forward without complete database.		Submitted revised project design around the new year. Additional data call with Eversource (9/2/2021) to figure out how HES data handles overlap with WAP program. Previously provided interim memo (2/17/2021) providing feedback on the DEEP draft weatherization metric memo, noting what metrics are reasonable and how they can be assessed as part of this study. Also responded to EA Team comments on that memo (3/27/2021). No further movement on CRT database.	Revised project design info/ ppt provided to EA, Feb 2022.	Revised project design info/ ppt provided to EA, Feb 2022.	
96	R2120. Appliance Recycling Impact	<i>R2120. Study will 1) estimate gross and net savings from 2019 and 2020 recycling program; 2) explore optimal incentive levels; 3) estimate program impact on reclaimed materials (CFCs, plastics, etc.)</i>	\$35,000	\$35,000	100%	100%	None		Finalized	None	None	
98	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%	50%	N/A		Phase 1 final report	Phase 2 Impact Evaluation of ER programs	Desk reviews/customer interview guide February 2022	
100	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	\$379,001	83%	84%	We have an outstanding information request regarding the community partnerships program team; we have requested data by March 31, 2022 and will schedule a call to receive an update on program activities in March or April 2022.		Presented findings, conclusions, and recommendations to utilities on 12/10/2021	Reporting across all efforts, expected by 2/2022; planning for primary research on community partnerships initiative will take place in April 2022 once we receive the updated information on program efforts. We anticipate conducting this research in May and June 2022.	Continue drafting report for EA review.	
101	X2001 - EUL	<i>Study to provide statistically-defensible, upated, CT-appropriate EULs for several major residential and C&I measures.</i>	\$275,000	\$238,394	87%	80%	We have received all data and materials requested to date.		Follow up interviews with Measure Group 1 and 2 respondents	Measure Group 3 survey launch preparation - planned launch in mid-February	Measure Group 3 survey fielding (commercial measures)- Feb 2022	
102	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	\$174,660	78%	90%	None		Presented results ppt to EA Team in Jan 2022	Developing draft report	Draft report (Feb 2022)	

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103	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	\$212,829	65%	50%	Last of the more detailed ES arrearage data provided / wrapped up in January. UI provided as much arrearage data as they had		Submitted SBEA data request (November 2021)	Revising draft of HES/HES IE Surveys based on EA team feedback; completed follow-up with utilities for analysis of arrearage data; developed HES and HES IE samples for surveys; Developing SBEA sample (Jan 2022 through Feb 2022)	Field HES / HES IE and SBEA surveys (Q1 2022 to Q2 2022)
106	X1931-4 New Measure Advanced 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	\$35,850	72%	55%	No		Phase 2 primary research kickoff completed 12/13/2021	Developing interview guides and conducting data request discussions with utilities	Expert interviews and data analysis February 2022
107	X1931-8 New Measure Advanced Commercial Thermostats	<i>This study will incorporate a new measure in the PSD for Advanced Commercial Thermostats. Additional Primary research to be conducted starting in July 2021 for completion in fall 2021.</i>	\$30,000	\$18,000	60%	45%	No		Final Phase 1 report and measure submitted 10/19/2021.	Phase 2 of study cancelled due to lack of data. Remaining funds will be used for the Advanced Lighting Controls study X1931-4	Phase 2 of study cancelled due to lack of data. Remaining funds will be used for the Advanced Lighting Controls study X1931-4
108	R2015. Low Load and All-Electric Residential New Construction	<i>R2015. 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	\$45,000	60%	50%	None		Stakeholder briefing (January 10, 2022)	Deeper dive research, March	Refining target list and polishing questions to ask; sending to EA team week of February 7
109	C2117 - RCx Persistence Study	Study to develop better estimates of retro-commissioning savings persistence.	\$50,000	\$10,275	21%	15%	Eversource is working with the RCx vendors to provide a sample of project files. We have received files for 21/40 projects as of 2/2/22. Eversource is working with the vendor to deliver the remaining files as soon as possible. UI only had 2 projects of interest to the study; consultant plans to ask the needed follow up questions directly with the vendors rather than issuing follow-up data requests to UI.		Met with utilities on 11/4 to discuss project files.	Finalization of work plan, review of utility data - 2/18/22	Project kickoff with utilities - mid Feb
110	R1968 RNC Baseline and Code Compliance	<i>RNC Baseline study involving on-site inspections of homes built under the current building code.</i>	\$350,000	\$2,652	1%	0%	No		None	Refined Project Design/kickoff development by Feb 2022	Completed project refinement with EA; need to schedule kickoff.