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3	<b>9/8/21</b>								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&amp;I programs, largely focusing on non-SBEA programs. The study will explore key questions that cut across the C&amp;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	\$773,468	116%	100%	Waiting for any additional feedback on Final Report and whether we can submit final project invoice.	Revised Final Report and submitted to EA Team on 8/6/21.	Waiting for any additional feedback on Final Report	EA Team will provide any feedback on revised Final Report and sign-off that report is finalized (early September)	
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	\$151,095	57%	50%	No	4/15/2021 - Present SEM Evaluation Methods Webinar	Process evaluation instrument development; September 30, 2021	Process evaluation instrument development; September 30, 2021	
64	C2014 C&I Lighting Saturation and Remaining Potential		\$0	\$400,000	\$128,000	32%	30%	No outstanding items	Phase 1 final memo on 7/1/21	Scope Phase 2	Scope Phase 2 9/30/21
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>	\$680,000	\$400,906	59%	48%	None	Upstream Distributor IDIs completed 7/31	Fielding cross-cutting market actor IDIs (Aug-Sep), program and field web surveys for baseline and upstream (contractors/customers) in Sep-Oct	Wrap up baseline and upstream surveys by Oct, code compliance analyses by end of Sep	
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	\$43,215	72%	95%	Awaiting comments on review draft submitted 8/9/2021	Review draft report submitted 8/9/2021	Awaiting comments on review draft	Finalize report based on review draft comments	
83	X1931-2 Coincidence Factor and Loadshape Study	<i>Establish an Industry Standard Practice (ISP) baseline for boilers and furnaces in commercial buildings in CT.</i>	\$121,100	\$85,000	70%	90%	Awaiting comments on review draft submitted 8/10/2021	Review draft report submitted 8/10/2021	Awaiting comments on review draft	Finalize report based on review draft comments	

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84	X1931-5 Comm Refrigeration Efficiency Update Study	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.	\$29,600	\$27,500	93%	80%	No	Data analysis on individual systems complete and discussed with the EA Team.	Aggregate analysis of data for final ACOP values.	Draft presentation of results to EA Team 9/13/21	
85	X1931-6 Hours of Use Documentation	This study will document the sources of HOU/FLH values in the PSD and recommend updates to the HOU/FLH values as available from secondary sources	\$9,900	\$8,600	87%	95%	Review draft submitted on 8/4/2021. Awaiting comments.	Review draft report submitted 8/4/2021	Awaiting comments on review draft	Finalize report based on review draft comments	
86	R1959 Single-Family Renovations & Additions Potential Analysis	Market characterization, savings potential study, and program pilot process evaluation for single-family renovations and additions	\$170,000	\$152,967	90%	95%	Comments on review draft of report were due 7/23, but did not receive any from UI, only Eversource and Technical Consultants. Comments may not be coming, but unclear.	Review draft of report submitted in July.	Revising review draft of report, based on comments from ES, UI, and technical consultants. Complete in Sept.	Revised version of review draft report, expected in Sept, after having now received comments from UI.	
89	R1965 HP/HPWH Baseline and Potential Assessment		\$0	\$325,000	\$273,304	84%	85%	None	Cost effectiveness analysis completed in August. Started reporting in August.	Preparing draft report for submission to EA Team.	Submit draft report to EA Team in Sept.
91	R1982.HVAC/DHW Performance and Potential Evaluation	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.	\$740,000	\$287,000	39%	19%	No	Revised sampling plan approved by EA Team	Electrician training, field installation recruitment	Recruitment of sites	
92	R2023. RASS Enhancement (R1965 add-on)	An enhancement to the existing RASS database developed in 2018 by NMR. The enhancements include additional statistics on energy-efficiency. This is an R1965 add-on from a contracting perspective.	\$30,000	\$27,000	90%	80%	No	Completed user training and submitted final Database and User Manual 10/29/20	Awaiting any requests for new additions to database	N/A	
93	R2027 HP/HPWH Reliability	A study looking at the reliability, satisfaction, and repair costs of HP/HPWH	\$75,000	\$67,522	90%	95%	None	End-user survey fielding, May 17, 2021	Reporting underway as part of R1965, September 2021	Submit draft report as part of R1965, September 2021	
94	R1983 HES/HES-IE Impact and Process Evaluation	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.	\$890,000	\$428,676	48%	45%	Confirming UI/Eversource do not have any comments on our team's mapping of the detailed HES/HES-IE measure data to the evaluation's measures and measure groups.	Aggregated all required/expected data from UI/Eversource into relational database that will inform the customer profiling task and provide inputs for impact analysis, notable identification of cross-program participants for billing analysis.	Running initial customer profiling model and reporting findings to EA team, programming participant survey and restarting interviewing vendor staff; working all on aspects of the impact analysis	Test and launch participant survey; present initial customer profiling results, as well as preliminary impact analysis results, including comparison with Recurve findings.	

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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>	\$110,000	\$43,245	39%	6%	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 incomplete for R2029 purposes, which affects program design. Waiting for new additional data from utilities that can help address issues. Coordinating with DEEP process triggered change in project design which is not final; new study design will coordinate more with DEEP's weatherization standard update process. 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.	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). Currently reviewing CRT WAP database and negotiating with CRT to get unredacted version, and reviewing HES data.	Reviewing partial HES data and WAP data, waiting on additional data from Eversource. Project planning on hold while we wait for data HES, which will affect study design. Unknown completion date.	Project planning on hold while we wait for data from HES, which will affect study design. Unknown completion date.
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	\$32,372	92%	80%	None	Survey completed, August 2021	Survey analysis and draft incentives memo, September 2021	Draft incentives memo, August 2021
97	X1931 In-Depth PSD Review	<i>Conduct comprehensive, in-depth review of PSD to assure documentation, approaches, and values are consistent with the most recent studies as well as with other relevant technical resource manuals and industry standards. Identify gaps in primary data that can be addressed through future EM&amp;V efforts and targeted studies.</i>	\$704,211	\$560,599	80%	80%	No	Primary research in process	Reviewing remaining red line changes from 2020 PSD review updates.	Final redline approval from remaining 2020 PSD review recommendations.
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	\$164,191	58%	50%	N/A	Phase I research, draft report and results presentation	Phase I results memo and presentation	Updated Phase I report, September 2021
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	\$282,232	62%	65%	0	Provided comments on community partnerships application and updated presentation slides based on discussion during presentation 6/29	Data collection for workforce development (IDIs with survey respondents) to be completed by mid-September; Education data collection (focus groups with technical hs instructors) to be completed September; Reporting on secondary research and program activities ongoing.	Continue data collection for Education and Workforce Development programs; begin evaluability assessment for community partnerships program

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101	X2001 - EUL	<i>Study to provide statistically-defensible, upated, CT-appropriate EULs for several major residential and C&amp;I measures.</i>	\$275,000	\$192,343	70%	75%	We have received all data and materials requested to date.	Measure Group 2 survey completed	Measure Group 3 survey launch - Sept 15	Virtual QA/QC - 9/30	
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	\$77,779	35%	45%	Data request for Eversource pending	Received feedback on DR-writup on 7/25 (Bob and Ralph) and from Lisa via email	Awaiting data from Eversource (due Oct)	Complete C&I analysis using AMI data (by end of Oct), complete Eversource analysis in Nov	
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	\$128,359	39%	10%	Still waiting on arrearage-related data from Eversource	HP HVAC surveys complete (May 2021)	Draft Other HVAC and HES/HES IE Surveys (August through September 2021)	Begin arrearage analysis, pending data availability (Q3 2021); Field Other HVAC and HES / HES IE surveys (Q3 2021)	
104	X1931-7 Degree Days Update Study	<i>This study will update heating degree day (HDD) and cooling degree day (CDD) values for the CT PSD.</i>	\$9,900	\$10,557	107%	95%	Review draft submitted on 8/4/2021. Awaiting comments.	Review draft report submitted 8/4/2021	Awaiting comments on review draft	Finalize report based on review draft comments	
105	X1931-3 New Measure Compressed Air Systems	<i>This study will incorporate a new measure in the PSD for Compressed Air Systems.</i>	\$7,000	\$14,868	212%	95%	Awaiting comments on review draft submitted 8/25/2021	Review draft report submitted 8/25/2021	Awaiting comments on review draft	Finalize report based on review draft comments	
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	\$30,808	62%	55%	Review draft submitted on 8/5/2021. Awaiting comments.	Review draft report submitted 8/5/2021	Awaiting comments on review draft	Finalize report based on review draft comments	
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	\$13,555	45%	45%	No	Review draft report submitted 8/9/2021	Awaiting comments on review draft	Finalize report based on review draft comments	
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	\$12,000	16%	0%	None	None yet. Still in project initiation.	Project initiation, September	Kickoff meeting, September	
109	C2117 - RCx Persistence Study	<i>Study to provide statistically-defensible, upated, CT-appropriate EULs for several major residential and C&amp;I measures.</i>	\$50,000	\$3,399	7%	2%		\$0	\$0	\$0	\$0
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	\$0	0%	0%		\$0	\$0	\$0	\$0