

	A	B	L	M	N
1		CT-EEB 2013 EVALUATION PRO		CT_ProjInfoSumm_All_SERA_070313_v12	
2					
3	On?	Project	Project Description / Summary / Purpose	Important Expected Outcomes	Other Notes
4	1	R1.CL&P & UI Behavior (HER) Pilot Studies 2011	UI - now complete process evaluation of it's Home Energy Reports Behavior Pilot	two of the few process evaluations or a Home Energy Reports type projects. Estimates of program induced savings, persistence of savings, and impact on participation in other CEEF programs. Interim reporting influenced program design for CL&P Year 2, which will examine impact on electricity use for the "average" CL&P customer.	This project had many delays and unexpected twists and turns. The timeline and budget overruns reflect this situation.
5	1	R2.CL&P Behavior (HER) Pilot Studies 2012 Yr. 2	CL&P - process and impact evaluation of i's Home Energy Reports Behavior Pilot Year 2 (started in 2012)	Addition process evaluation information on average CL&P residential customer. Persistence of savings for short-term report recipients, one-year recipients, and long-term recipients (including what happens during report hiatus)	0
6	1	R3.Regional Lighting Hours of Use	This project will provide residential lighting hours of use estimates by bulb type; the approach will allow for updates to hours of use estimates through the collection of socket saturation data. We expect to be able to provide HOU estimates for different rooms in the home and single- and multifamily homes; perhaps by owner/renter and income status The effort is being conducted in cooperation with program administrators in Massachusetts, New York, and Rhode Island.	Hours of use estimate by bulb type and room type; may also be ample data to provide hours of sure for single-family and multifamily homes separately	0
7	1	R4.HES Persistence and Process Evaluations	This project has two major parts: 1) Persistence study will examine if portable studies remain in place after program installation at least for the first year or two after installation. 2) Process evaluation, involving various rounds of in-depth interviews (program staff, EEB members and consultants, participants, vendors, landlords) and a database review. NOTE WELL that we are currently revising the scope of the project to incorporate tasks related to both HES and HES-IE impact and HES measure life.	Persistence estimates for portable measures. Program revisions to increase participation and savings achieved among the income eligible customer base; NOTE WELL new impact and measure life components being developed	The EEB Evaluation Consultant has asked us to add HES and HES-IE impact and HES measure life components to this study.
8	1	R5.Weatherization Baseline 2012	This project will provide a baseline measurement of the percentage of single-family homes in Connecticut that currently meet the state's weatherization standard; this is in support of the effort to weatherize 80% of homes by 2030.	Estimate of the number of single-family homes weatherized to serve as a baseline in the State's efforts to weatherize 80% of homes by 2030.	0
9	1	R6.Housing Characterization	With evaluation funds, NMR purchased a dataset from the Warren Group of properties in Connecticut. This dataset is compiled from city, county, and town tax, real estate, and assessment records. NMR is performing descriptive analyses on the single-family homes in the dataset, focusing on variables that describe weatherization-related characteristics of these home	Description of weatherization-related characteristics of housing stock in CT	Lower priority and low budget project so has been set aside by NMR and technical consultant at times to make way for higher priority projects; also some misunderstanding about nature of the analysis
10	1	R7.Ground Source Heat Pump Study (impact & Mkt assess)	An impact evaluation of the CT geothermal heat pump rebate program for residential customers and an assessment of the market in CT for residential GSHPs. The project entails on-site visits, metering, and building modeling to estimate energy savings and environmental impacts. The project also includes indepth telephone interviews with participating installation contractors and telephone surveys with participating homeowners.	Estimates of gross and net energy and demand savings as well as environmental impacts due to residential geothermal heat pump rebate program. Assessment of program design and residential GSHP market in CT	0
11	1	R8.Central Air Conditioning - 2 year project	Impact evaluation involves two summers of metering to determine energy savings and peak demand reduction from Central AC supported through CEEF programs. Process evaluation involves a telephone survey that is most interested in understanding why more HES participants are not taking advantage of early retirement rebates. Focus groups tabled for now due to poor utility record keeping on households offered rebates who did not use them.	Energy and demand savings estimates for program-supported central AC; greater understanding of drivers and barriers for Central AC installations, particularly early replacements	0
12	1	C9.SBEA Impact Evaluation	We are in the process of performing an impact evaluation of the Small Business Energy Action Program. This is comprised of two parts - a statistically selected on-site M&V approach and a billing analysis . Both are of the 2011 program year.	Gross Program savings of 2011 program year and PSD refinements to improve future tracking system estimates.	0
13	1	C10.Sm C&I Data Mining	As a subcontractor to DNV KEMA, APPRISE is in the process of performing data mining study of historical SBEA tracking data. The purpose of the study is to help program administrators make more informed decisions about how to garner deeper and more comprehensive energy savings through an examination of what has and has not been accomplished through the SBEA program over the years	A report that summarizes and interprets the databases in a way that allows us to recommend how the program might be refined to grow and improve performance .	0

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14	0	C11.Barriers to Participation / Cancel/Finance/Repeats - ON HOLD	This project is intended to explore program cancellations, financing and the nature and prevalence of repeat participation for the purpose of helping the utilities make more informed decisions about how to increase participation in the SBEA Program through the identification and mitigation of barriers to program engagement. In the current scope there are 15-20 interviews planned with small businesses that took initial participation steps but did not follow through, 15-20 interviews with general non-participants, and 15-20 in-depth interviews with participating businesses from the program tracking system that started projects and completed additional work under the program at a later time (2 separate projects).	A report that summarizes and interprets the survey and D&B database in a way that allows us to recommend how the program might be refined to help reduce program cancellations, improve the effectiveness of financing and diminish instances of repeat participation	0
15	0	C12.Low Income and Limited English - ON HOLD	This project is intended to explore low/limited income and limited english small business owners for purposes of increasing their participation in the SBEA program. The most recent workplan includes the performance of up to 15-20 in-depth interviews with low-income non-participating proprietors and up to 15-20 in-depth interviews with Non/low-English non-participating proprietors. It also includes up to 15-20 in-depth interviews with low-income proprietors and up to 15-20 in-depth interviews with Non/low-English proprietors who participated in the program.	A report that summarizes and interprets survey data and D&B and ACS databases in a way that allows us to recommend where program changes might make a big difference in participation rates among these subsegments of the small business population.	0
16	1	C13.Lge C&I Quick Start Market Assessment/Trend Analy.	This research is a high-level analysis of program participant data to identify participation trends. The objective of this analysis is to provide insight regarding comprehensive projects based on past program efforts.	As part of this research, EMI will provide recommendations regarding future program efforts for both the EO and ECB programs. These will include recommendations regarding the characteristics of comprehensive projects including (1) frequent measure combinations, (2) trends in comprehensive patterns by market segment, and (3) trends in energy reduction by project.	The first draft was delivered on July 6. Major revisions were requested in early August but research was considered low priority.
17	1	C14.EO Impact and Process Evaluation	Energy Market Innovations (EMI) has been directed to implement a comprehensive evaluation of the EO program, consisting of both an impact and process evaluation. The impact study will focus on measuring direct results of the program's activities, comparing both energy and demand savings against values reported from the program-tracking system estimates to determine overall realization rates and areas where ex ante assumptions and ascribed savings values differ from those measured in the field. The overall objective of the process evaluation is to determine how the program is performing in relation to its goals and assess the adequacy of the program-tracking database and its integration with the program.	As a result of this research, EMI expected to: (1) evaluate the savings impact of lighting projects (non-lighting projects and natural gas projects will be the focus of the 2013 evaluation activities), (2) produce an overall, statewide savings realization rate relative to both gross and net saving estimates claimed by the programs for 2011 program activity, (3) calculate and recommend "forward-looking" overall realization rates using the 2012 PSD, and (4) assess the accuracy of methods used by the engineering firms in estimating savings for complex "custom" projects and recommend changes, if needed.	The 2013 work has yet to be formally approved but given the time-sensitive nature of the winter billing, we were given authorization to proceed with on-site visits. Work was approved by calendar year for budget reasons. For 2012, the impact evaluation focused on lighting projects with a total budget of \$503,000. In 2013, the impact evaluation was expanded to include non-lighting and natural gas projects with a budget of \$503,000 - this budget amount has not been formally approved and the team is currently using carry-over budget from 2012 to fund this work.
18	1	R15."Potential" - Oil, Natural Gas, and Electric Baseline	Data collected through the weatherization baseline will be used to estimate potential savings for selected fuel oil, natural gas, and electricity measures using REM/rate energy modeling software.	Estimates of fuel oil, natural gas, and electric potential for a subset of measures for single-family existing homes	The \$236,194 budget is inclusive of the \$63,902 budget for oil/gas potential from the Weatherization study plus \$172,292 for separate study
25	1	R16. HES/HES-IE Impact Evaluation & B	Data collected through the weatherization baseline will be used to estimate potential savings for selected fuel oil, natural gas, and electricity measures using REM/rate energy modeling software.	Estimates of fuel oil, natural gas, and electric potential for a subset of measures for single-family existing homes	None
26	1	C17. C&I Market Assessment	While the scope of this work has yet to be determined, the objective is to provide market research to support the C&I programs. This support is needed for three reasons: 1) Market intelligence is needed to enable broader program recommendations and improvements; 2) There is a scarcity of such information for Connecticut, and 3) The C&I committee has frequently requested such data	TBD	0
27					
28		TOTAL BUDGET (NOTE C14 2 year budget reflected)			
29		Total on hold			