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Background

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- Studies have shown that non-compliance with the energy code is common and leaves room for improvement
 - MA: 81% to 89% compliance depending on code and code cycle stage
 21% savings potential (over baseline) for 2012 IECC non-program homes
 - RI: 80% compliance for 2012 IECC
- Some PAs have implemented training and education programs to claim savings from increasing compliance with the energy code
- This is a way to impact the RNC market which is facing decreasing savings for more traditional above code programs

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Study Goals

- 1. Assess compliance with the 2009 IECC using homes that were part of the R1602 RNC Baseline Study
- 2. Calculate what compliance would be under 2012 IECC assuming no change in building practices from 2009 IECC sample
- 3. Estimate the gross potential savings possible from increased compliance under both codes
- 4. Compare program and non-program homes, and CT with other states
- 5. Review other code programs and provide recommendations for the design and implementation of a code enhancement program

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Key Tasks

- Workplan and Kickoff
- No Data Request!
- Analysis & Literature Review
 - -MA-REC compliance assessment
 - -Code compliance enhancement potential assessment
 - -Literature review of other programs
- Reporting

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Calculated Study Outputs Reporting NMR Brief report (~20-30 pages) Measured compliance with 2009 IECC Methodology description Estimated minimum compliance with 2012 IECC This will likely be an understatement of compliance given we are using homes built under 2009 IECC Analysis - Results weighted by program vs. non-program - Presented by program vs. non-program Measured gross technical potential savings with 2009 IECC - Confidence intervals and figures used to display sample variation · Estimated gross technical potential savings with 2012 IECC Benchmarking This will likely be an overstatement of savings given we are using homes built under 2009 IECC - Compare CT to neighboring states for compliance and potential Program design considerations • Findings will help inform the potential for a code enhancement - Based on literature review and standard industry practice program





Task	Total
Task 1: NICKOII	\$2,800 \$13,000
Task 3: Reporting	\$9,200
Total	\$25,000