1) **Objective:** Empirical determination of energy and cost effectiveness impacts of principal residential code compliance methods - prescriptive versus performance – using utility billing analysis. Determine the greatest level of cost effective efficiency achievable in a market-driven energy code environment. How can code compliance and technology gaps be best overcome using market driven Energy Code approaches?

2) **Impact:** Improved code compliance and residential efficiency through energy code consistency and market-driven cost effectiveness. Potential positive implications of electronic code permitting and enhanced energy code labeling.

3) **Partners:** International Code Council, RESNET (in kind).
Comparison of IECC Pres. (Scn 1), ERI base + PV (Scn 2), IECC Pres. with PV (Scn 3), ERI base + eff. (Scn 4), and ERI base + PPA PV (PPA)

- Does performance path correlate to energy savings?
- What are compliance issues and technology gaps?
- What should be included in specifications for electronic compliance tools?
Market Driven Residential Energy Codes Planned Tasks

1. Utility Bill Comparison of Prescriptive and Performance Path Homes in Comparable Code and Climate Regions
2. Survey of Code Officials about Prescriptive and Performance Paths Topics
4. Estimate Energy Impact in Each Climate Zone using Each Method of Compliance
5. Evaluate cost effectiveness of energy code compliance paths
6. Evaluate marketplace uptake and effectiveness of energy code compliance labeling
8. Building Energy Codes Program Support Activities