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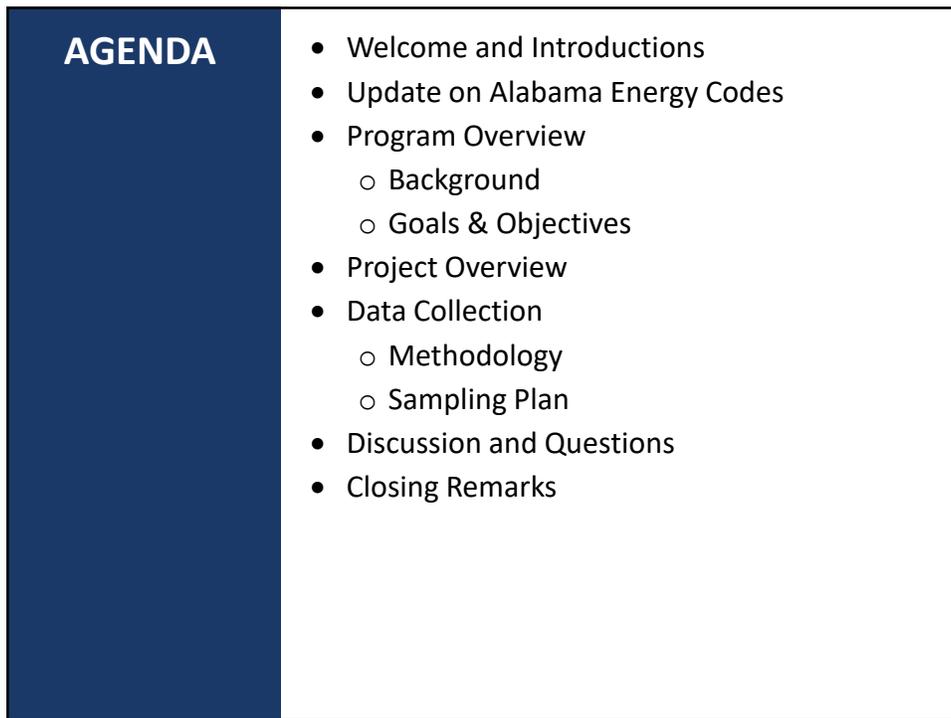
Alabama Residential Energy Code Field Study

Stakeholder Kick-off Meeting

Birmingham, AL | Dec. 4, 2014

The logo for the Institute for Market Transformation (IMT) is located in the bottom right corner. It consists of a stylized blue house icon to the left of the text "IMT INSTITUTE FOR MARKET TRANSFORMATION".

1

The slide has a dark blue vertical bar on the left side containing the word "AGENDA" in white, bold, uppercase letters. The rest of the slide is white and contains a bulleted list of agenda items.

AGENDA

- Welcome and Introductions
- Update on Alabama Energy Codes
- Program Overview
 - Background
 - Goals & Objectives
- Project Overview
- Data Collection
 - Methodology
 - Sampling Plan
- Discussion and Questions
- Closing Remarks

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Introductions

- U.S. Dept. of Energy (project funder)
- Pacific Northwest National Lab (PNNL) (Project Support)

Project Team Members:

- Institute for Market Transformation (IMT)
- Alabama Center for Excellence in Clean Energy Technology at Calhoun Community College
- Britt/Makela Group (BMG)
- Institute for Building Technology and Safety

Project Advisers:

- Heather Goggin, ADECA
- Stakeholders...

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A Brief Update on Alabama's Energy Code

[Presented by Heather Goggin]

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High Level Project Overview (DOE)

- DOE Funding awarded to Project Team for 3-year project
- 7 other states also participating
- All projects share 3 common objectives:
 1. Pre-program field study
 2. Implement education, training and outreach activities
 3. Post-program field study

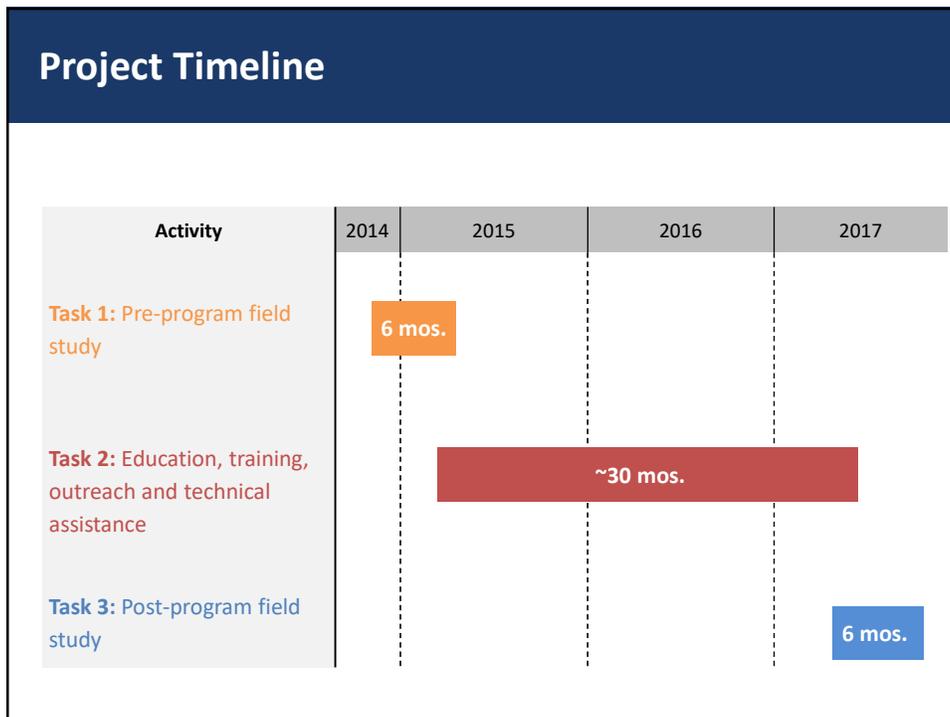


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Multiple Project Benefits

- Homeowners
 - Reduced utility bills
- Builders/Trades
 - Free energy code training
 - Level playing field
 - Research data on their homes
- Code Officials
 - Free training
 - Tools and materials to aid enforcement efforts
 - Improved data
- Utilities
 - A means of relating code implementation to energy savings
 - Increased accuracy in future forecasting

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Addressing Concerns...

- The purpose of this project is not to grade builders or code officials
- DOE is interested in energy use
- Project is a research and data collection effort to assess energy use
- Individual/identifying information is not reported to DOE/PNNL and kept confidential
- Only state-level results are reported
- Only one visit to each house selected as part of the project (not enough to establish compliance for any individual house)

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Pre-program Field Study

Two Types

Quantitative—follows the DOE/PNNL Methodology



Qualitative—to get a better understanding for how local building departments administer the code



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Quantitative Field Study

We will need your help...

Code Officials:

- Project team will be contacting jurisdictions for info on:
 - Number of new homes permitted in past 12 months
 - Approximate stage of construction for those homes

Builders:

- Permission to access job sites

*After this presentation PNNL will explain the details of the protocol.

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Qualitative Field Study

- Project team member will visit up to 30 jurisdictions
- Speak to Building Official and/or staff
 - Small time commitment
- Would like info on the following:
 - Opinion about the energy code (issues, concerns, etc.)
 - How the code is enforced (permitting, plan review, inspections, etc.)
 - What do you see as barriers to compliance?
 - What opportunities are there for improvement?
 - Complete a survey.
- Will help put into context the results of the quantitative assessment

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Education, Training, Outreach and Technical Assistance

- **Establish an Energy Codes Focus Group**
 - To help guide the project and review materials and strategy
- **Materials Development and Training Implementation**
 - Based on results from the assessments
 - Anticipate wide variety of training options
- **Direct Technical Assistance to Local Jurisdictions**
 - Energy Code Circuit Rider
- **Develop a Long-Term Strategy for Compliance Support**
 - Energy Code Ambassador Program
 - Identify potential funding sources for on-going work

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When will all this happen?

- **Establish an Energy Codes Focus Group**
 - Over the next 6 months, with several group meetings each year
- **Materials Development and Training Implementation**
 - ~Mid 2015 through Dec. 2015
 - Expect training to begin by Jan. 2016 and go through mid/late-2017
- **Direct Technical Assistance to Local Jurisdictions**
 - Jan. 2016 through mid-2017
- **Develop a Long-Term Strategy for Compliance Support**
 - Will cover the duration of the project

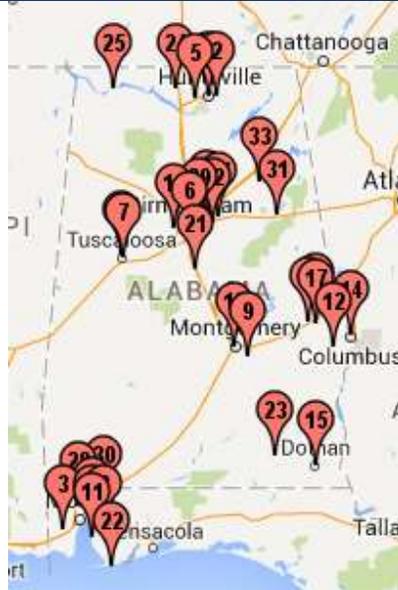
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Initial Sample Plan

Place, County	Samples		
Huntsville, Madison	8	Lee County Unincorporated Area, Lee	1
Madison County Unincorporated Area, Madison	8	Northport, Tuscaloosa	1
Mobile County Unincorporated Area, Mobile	2	Opelika, Lee	2
Auburn, Lee	2	Trussville, Jefferson	1
Madison, Madison	4	Calera, Shelby	1
Hoover, Jefferson	2	Gulf Shores, Baldwin	1
Tuscaloosa, Tuscaloosa	1	Enterprise, Coffee	2
Baldwin County Unincorporated Area, Baldwin	2	Athens, Limestone	2
Pike Road, Montgomery	1	Florence, Lauderdale	2
Jefferson County Unincorporated Area, Jefferson	2	Spanish Fort, Baldwin	1
Fairhope, Baldwin	1	Moody, St. Clair	1
Russell County Unincorporated Area, Russell	2	Saraland, Mobile	2
Montgomery, Montgomery	1	Irondale, Jefferson	1
Phenix City, Russell	3	Bay Minette, Baldwin	1
Dothan, Houston	1	Oxford, Calhoun	1
Daphne, Baldwin	1	Leeds, Jefferson	1
		Southside, Etowah	1
		Total	63

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Initial Sample Plan



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Stay Up-To-Date!

Visit the project website: www.alenergycode.org

Sign-up for project updates, training alerts and resources!



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