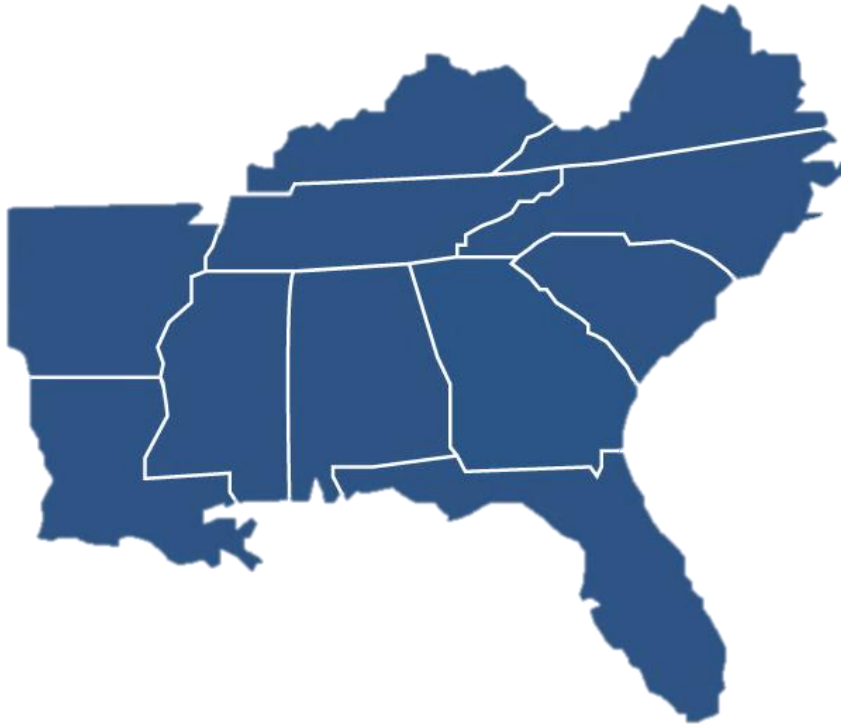


# SEEA's Energy Codes Program

2014 Building Technologies Office Peer Review



U.S. DEPARTMENT OF  
**ENERGY**

Energy Efficiency &  
Renewable Energy

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Southeast Energy Efficiency Alliance (SEEA)

# Project Summary

## Timeline:

Start date: 09/01/12

Planned end date: 08/31/15

## Key Milestones

1. Collaboration; Ongoing
2. Adoption; Ongoing
3. Compliance; Ongoing

## Budget:

Total DOE \$ to date: \$96,754.20

Total future DOE \$: \$583,245.80 Total (FY 13 Carryover: \$308,245.80, FY 14 \$275,000)

## Target Market/Audience:

SEEA has an 11-state territory. Our audience includes policy makers, architects, engineers, building departments, builders, contractors, trades and utilities.

## Key Partners:

SEEA is focused on empowering stakeholders to create more sustainable in-state resources.

REEOs: MEEA, NEEA, NEEP, SPEER, SWEEP	Mississippi Development Authority
Advanced Energy	Arkansas Energy Office
Southface	Florida HBA
Georgia Power	Building Official Association of Florida
HBA of Georgia	Louisiana DNR

## Project Goal:

- 70% adoption of 2009 IECC for residential and ASHRAE 90.1-2007 for commercial buildings by 2015
- 90% compliance with 2009 IECC for residential and ASHRAE 90.1-2007 for commercial buildings by 2017
- Supporting EE policies as a least cost resource



**SEEA**  
SOUTHEAST ENERGY EFFICIENCY ALLIANCE

U.S. DEPARTMENT OF  
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# Purpose and Objectives

**Problem Statement:** The Southeast needs targeted energy codes adoption, implementation and compliance support.

**Target Market and Audience:** SEEA has an 11-state territory. Our audience includes policy makers, architects, engineers, building departments, builders, contractors, trades and utilities.

## **Impact of Project:**

- Adoption of 2009+ IECC and ASHRAE 90.1-2007+ energy codes and other synergistic standards
- Educated workforce of builders, architects, code officials, verifiers
- Resources to support adoption, implementation, and compliance
- Educated consumer base and policy makers
- Coordinated, sustainable stakeholder base that drives energy codes
- Market saturation of energy code compliant materials
- Best practice models for the region and nation
- Diverse, sustainable funding resources

# Approach

**Approach:** To effectively support energy code adoption, implementation and compliance in the Southeast.

**Key Issues:** The Southeast needs—

- A collaborative, coordinated stakeholder base (build support, counteract opposition)
- A tailored approach to specific state and locality needs
- Effective engagement with unique, unconventional stakeholders
- To make the most of limited resources (especially within building depts.)

**Distinctive Characteristics:**

- Respected, nonpartisan “go to” source for SE energy code resources
- Promotion of regional communication (ex. Best practice sharing between states)
- Collaboration (ex. Southeast Energy Codes Collaborative (SECC))
- Creation of “win-wins” with unconventional partners (ex. HBAs)
- Effectively “meeting stakeholders where they are”
- Leveraging resources (ex. utility funding engagement)

# Progress and Accomplishments

## Accomplishments:

- 2009 IECC+ adoption in 7 of 11 SEEA states
- 2009 IECC training series in Georgia
- MS adoption of ASHRAE 90.1-2010: first in SE, one of 1<sup>st</sup> in country Success with 2009 and 2012 IECC for Code Officials developed
- 2000+ “Success” books sold
- Florida Circuit Rider and Florida Code Training Curriculum
- Southeast Energy Codes Coalition (SECC) Working Groups

## Awards/Recognition:

- Thank you’s from diverse stakeholders
- Requests for increased engagement
- Presentation requests for national and regional conferences

*“SEEA has been a valued partner for Alabama by bringing energy code experts, resource guides, and expert trainings to assist in implementing the state’s first statewide energy code .”*

- Karen Clifton, Alabama  
Department of Economic &  
Community Affairs

# Progress and Accomplishments

State	Residential Code	Effective	Commercial Code	Effective
Alabama	2009 IECC / 2009 IRC	10/1/12	2009 IECC ASHRAE 90.1-2007	10/1/12
Arkansas	2003 IECC	1/1/13	ASHRAE 90.1-2007	1/1/13
Florida	2009 IECC	3/15/12	2009 IECC ASHRAE 90.1-2007	3/15/12
Georgia	2009 IECC	1/1/11	2009 IECC ASHRAE 90.1-2007	1/1/11
Kentucky	2009 IECC	10/1/12	2009 IECC	6/1/11
Louisiana	2006 IRC	1/1/11	2009 IECC ASHRAE 90.1-2007	8/1/12
Mississippi	2009 IRC	8/1/14	ASHRAE 90.1-2010	7/1/13
North Carolina	2009 IECC	1/1/12	2009 IECC ASHRAE 90.1-2007	1/1/12
South Carolina	2009 IECC	1/1/13	2009 IECC	1/1/13
Tennessee	2006 IECC	7/1/11	2006 IECC	7/1/11
Virginia	2009 IECC	3/1/11	2009 IECC	3/1/11

**\*2014 adoption efforts underway for 2009 IECC in Arkansas and Louisiana and 2012 IECC in Florida, Kentucky and Virginia**



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# Project Integration and Collaboration

## Project Integration:

- Participation
  - Virginia Building and Code Officials Association (VBCOA) Energy Conservation Committee
  - 2013 Arkansas Energy Code Residential Stakeholder Group
  - 2015 IECC code development
- Residential Committee Chair: Energy Efficiency in Renovations, Retrofits and Remodels at the Southeast Building Conference (SEBC) in Orlando

*“SEEA brings a valuable regional perspective on energy code trends in the southeast to the VBCOA Energy Conservation Committee, which is responsible for reviewing and submitting code change proposals at the national level as well as the state level.”*

- Matt Westheimer, Chair of the Virginia Building and Code Officials Association Energy Conservation Committee

# Project Integration and Collaboration

## Partners, Subcontractors, and Collaborators: SEEA is focused on empowering stakeholders to create more sustainable in-state resources

25 x '25, Alabama Power, Alliance for Affordable Energy, American Institute of Architects (AIA), Advanced Energy, American Chemistry Council (ACC), American Council for an Energy Efficient Economy (ACEEE), Appleblossom Energy, Arkansas Advanced Energy and the Economy Group, ASHRAE, Building Codes Assistance Project (BCAP), Building Officials Association of Florida (BOAF), Building Official Association of Mississippi (BOAM), Capitol Resources, Clean Energy Solutions Inc. (CESI), Consumers Union, CORE USA, Duke Energy, DOW Chemical, Energy Foundation, England Enterprises, Georgia Department of Community Affairs (DCA), Georgia Power, Green Coast Enterprises, Home Builders Association of Alabama (HBAA), Home Builders Association of Georgia (HBAG), Home Builders Association of South Carolina (HBA of SC), HERS Raters, Honeywell, International Codes Council (ICC), Kenneth Smith Consulting, Mathis Consulting, Mississippi Energy Institute (MEI), Mississippi Governor's Office, Mississippi State University (MSU), National Association of State Energy Offices (NASEO), National Collaborative, North Carolina Energy Efficiency Alliance (NCEEA), North Carolina Sustainable Energy Association (NCSEA), Pacific Northwest National Laboratory (PNNL), Progress Energy, Pulaski Technical College, Resource Media, Responsible Energy Code Alliance (RECA), Rocky Mountain Institute (RMI), Sierra Club, South Carolina Coastal Conservation League (SCCCL), Southeast Climate Action Network (SCEN), Southern Alliance for Clean Energy (SACE), Southern States Energy Board (SSEB), Southface Energy Institute, State Energy Offices (SEOs), Tennessee Valley Authority (TVA), U.S. Green Building Council (USGBC), Virginia Technical Codes Committee

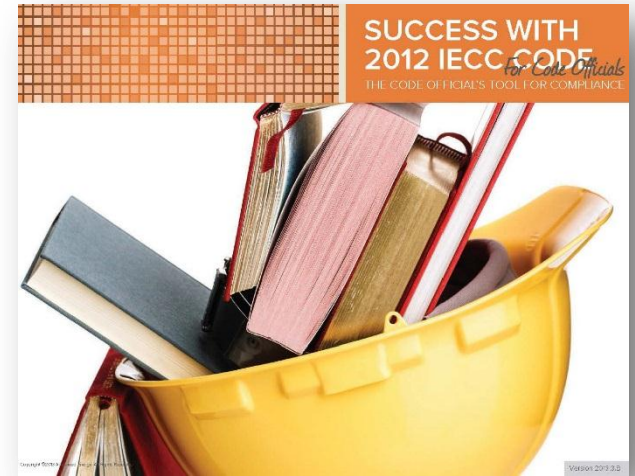
**Communications:** National Codes Collaborative, Southeast Energy Codes Collaborative (SECC), ICC Code Hearings, HBA and contractor presentations, code official and building department/enforcement agency presentations and one-on-ones, technical committees, SEEA Policy Updates, webinars, press releases, social media



# Next Steps and Future Plans

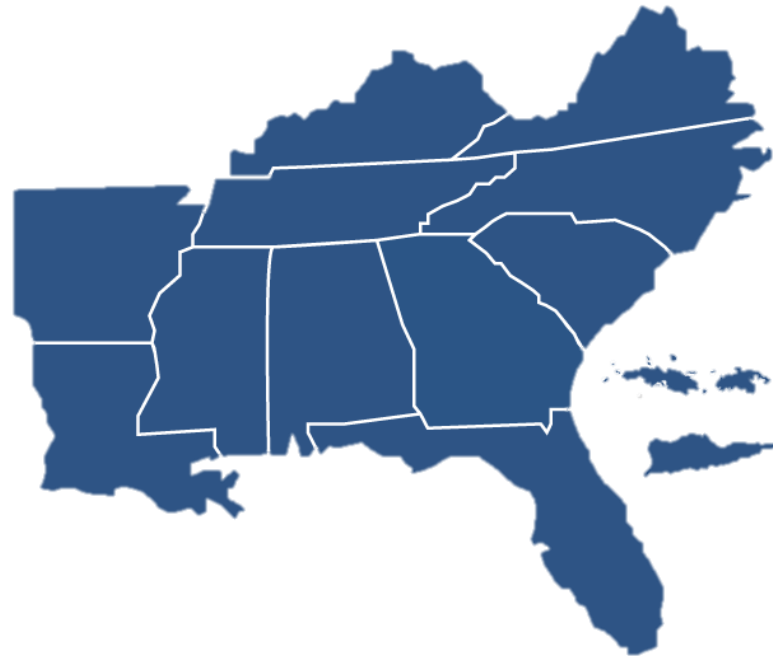
## Next Steps and Future Plans:

- Adoption
  - 2009 IECC in AR, LA, MS, TN
  - 2012 IECC in FL, KY, VA
- Implementation
  - “Success with 2009 IECC” state-specific books
  - “Success with 2012 IECC” state-specific books
  - Designer-specific targeted trainings
  - Technical assistance and resources throughout the Southeast region
- Compliance
  - Florida Circuit Rider
  - Collaboration with higher education institutions
  - Compliance Baseline Snapshots



# Thank You!

2014 Building Technologies Office Peer Review



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# REFERENCE SLIDES

# Project Budget

## Project Budget:

- SEEA began receiving direct DOE funding for its Energy Codes program in October 2012 (for FY'2013). There have been no variances from the planned budget and all funding is being spent down as allocated.

## Cost to Date:

- FY2012 – FY 2013 Expenditure: \$96,754.20

## Additional Funding:

- FY2012 – FY 2013 Energy Foundation: \$206,000

## Budget History

FY2012 – FY2013 (past)		FY2014 (current)		FY2015 (planned)	
DOE	Cost-share	DOE	Cost-share	DOE	Cost-share
\$405,000	\$0	\$275,000	\$0	\$275,000	\$0

# Project Plan and Schedule

DOE Award Number: DE-EE005826

Project Period: September 1, 2012 to August 31, 2013

Outlines Tasks: 2.0 Building Technology Program (BTP)

- Subtask 2.1 Coordination and Outreach with National Collaborative
- Subtask 2.2 Adoption Technical Assistance
- Subtask 2.3 Compliance Technical Assistance

