

Significant energy
efficiency advancements
are underway in the
Southeast



SEEA's Building Energy Codes
Program

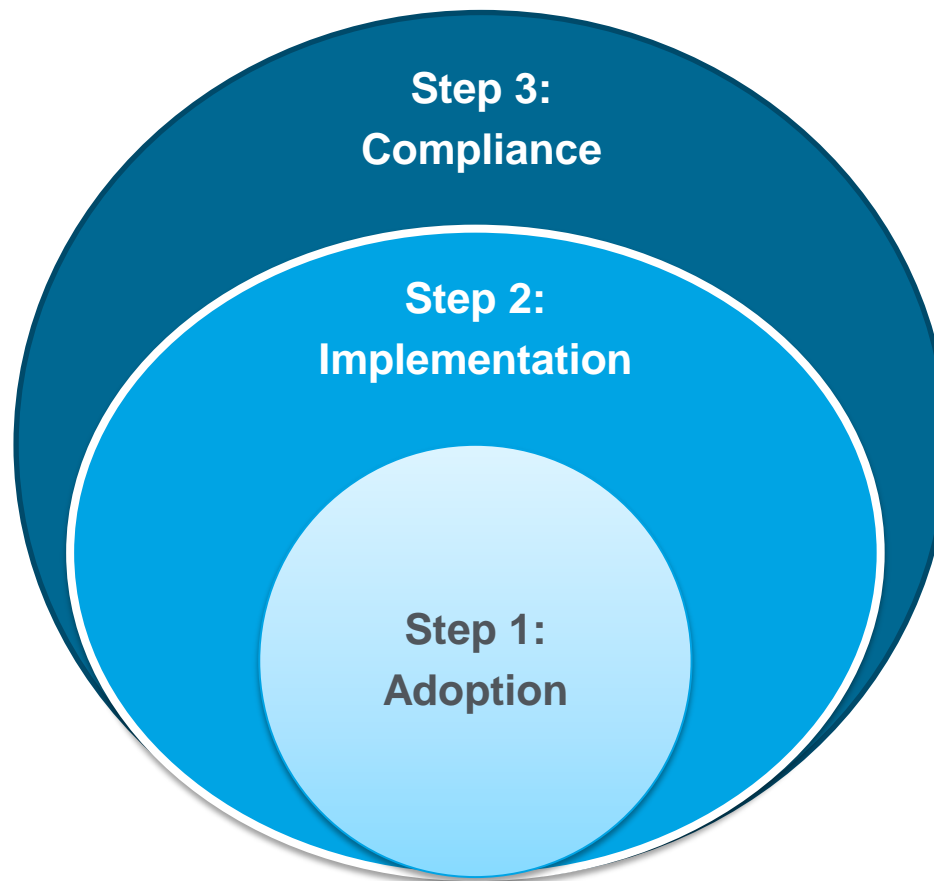
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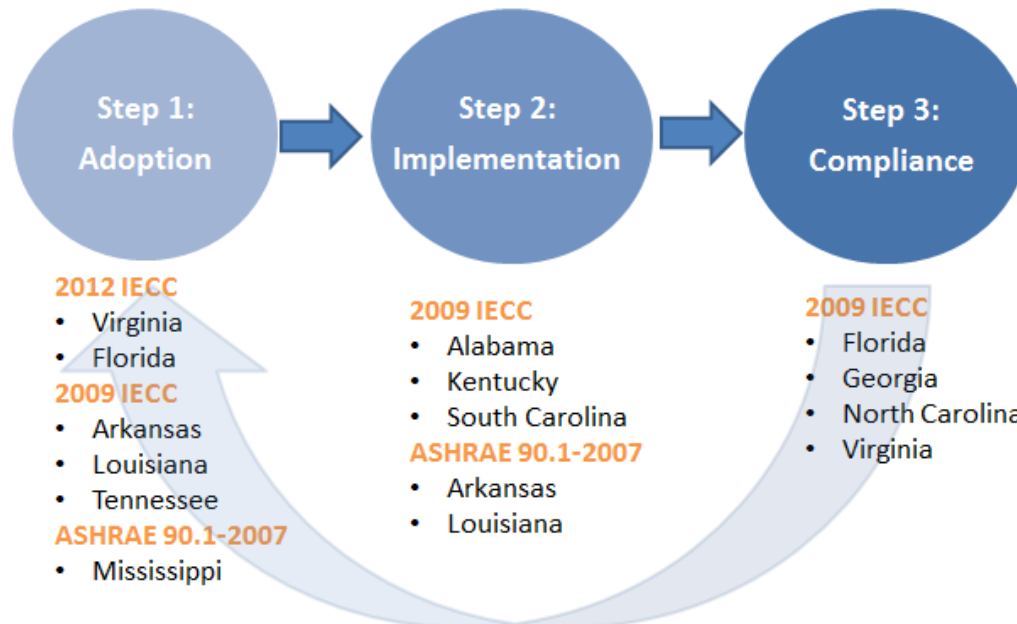
April 2, 2013

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



Project Focus:

- 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



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

Key Outcomes:

- Realized energy efficiency benefits (job creation, improved reliability and energy security, economic development, reduced energy costs, reduced fossil fuels, increased health and safety, etc.)
- EE emergence as priority issue on both sides of the aisle



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

Structure: SEEA incubates energy efficiency policy success, and specifically energy codes advancement, in the Southeast

Success = Vision + People + Funding + Politics

1. The Vision, “Right Answer” or New Model
2. Staffing Resources, Unconventional Allies, Collaborative Partnerships
3. Funding Resources, focusing on public-private partnerships wherever possible, and a diversification of sources
4. Political Will



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:

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



2012 Accomplishments and Progress:

- 2009 IECC+ adoption in 7 of 11 SEEA states
- Engaging over \$100,000 in utility support
- 10+ energy code trainings
- MS Governor's Energy Plan code inclusion
- "Success with 2009 IECC" books (AL, GA, SC)
- Southeast Energy Codes Coalition (SECC)
- Georgia compliance guide
- Unique partnerships (HBAs, building officials, utilities, etc.)



Awards/Recognition:

- Established as the respected, nonpartisan "go to" source for energy codes resources in the Southeast
- Thank you's from diverse stakeholders
- Requests for increased engagement throughout region



Progress on Goals:

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				
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

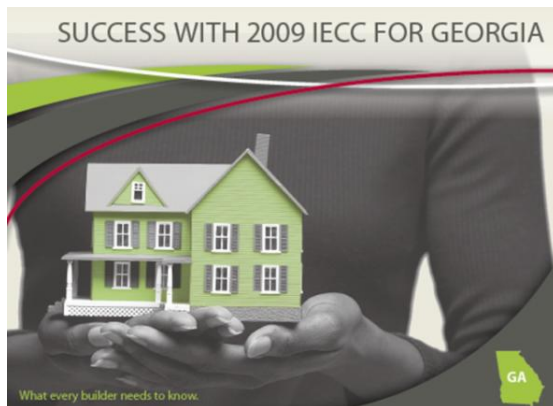
***2013 adoption efforts underway for 2009 IECC in Arkansas and Louisiana and ASHRAE 90.1-2007 in Mississippi**

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



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.

Additional Funding: SEEA has also effectively leveraged multiple funding sources as follows (larger contracts):

Source	Dates	Amount
Energy Foundation	Oct. 2012-Sept. 2013	\$206,000
Georgia Power	Jan.-Dec. 2013	\$96,000
Energy Foundation	Oct. 2011-Sept. 2012	\$200,000
PNNL	Aug. 2010-Sept. 2011	\$267,000

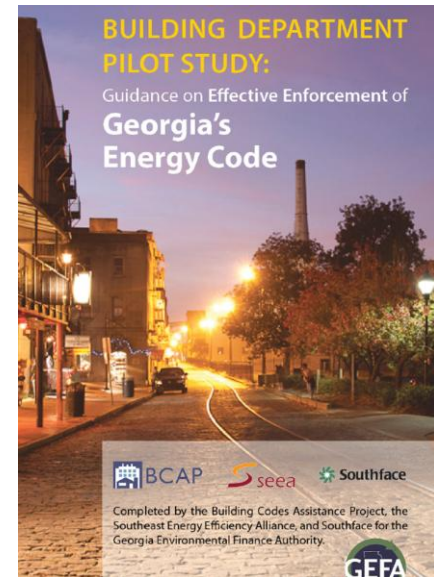


Partners, Subcontractors, and Collaborators:

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

Here are some of our partners (a cross-section of utilities, state energy offices, elected and appointed officials, builders, inspectors, advocates, industry, universities and technical colleges, etc.):

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



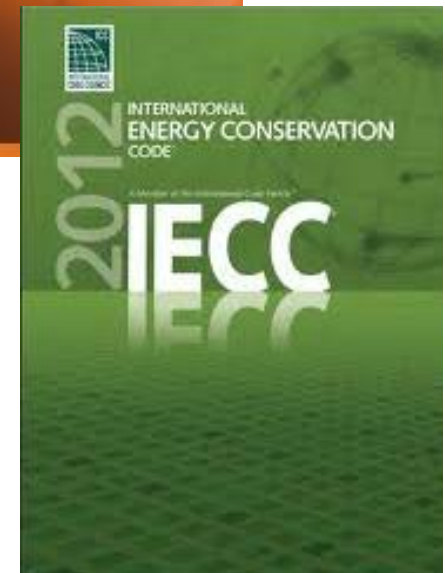
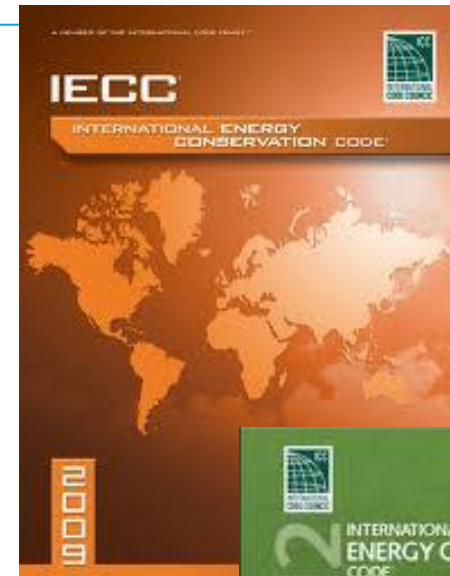
Technology Transfer, Deployment, Market Impact: Duct and Envelope Training (DET) Certification, “Success with 2009 IECC” curriculum, targeted trainings

Communications: National Codes Collaborative, Southeast Energy Codes Collaborative (SECC), 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:

- Adoption
 - 2009 IECC in AR, LA, MS, TN
 - 2012 IECC in FL, VA
- Implementation
 - “Success with 2009 IECC” state-specific books
 - “Success with 2012 IECC” books
 - Targeted trainings and technical support throughout Southeast region
 - Circuit Rider Program
- Ramp up compliance initiatives
 - Use Georgia model
 - Create new opportunities





Thank you!

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