



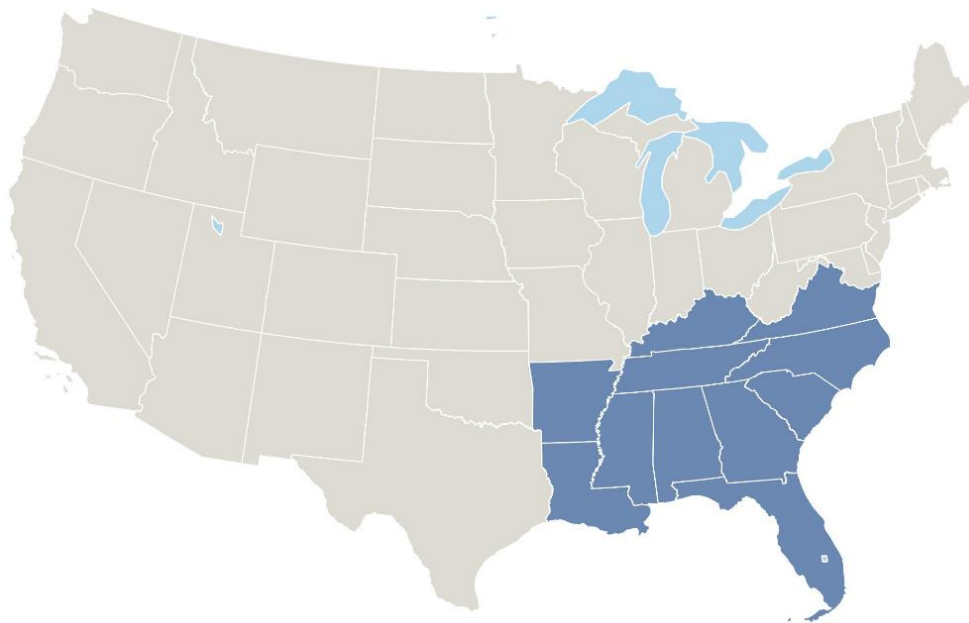
SEE EA
SOUTHEAST ENERGY EFFICIENCY ALLIANCE

Codes and Construction Activity

What's the impact?

SEEA Serves The Southeast

The **Southeast Energy Efficiency Alliance (SEEA)** promotes energy efficiency as a catalyst for economic growth, workforce development and energy security. We do this through collaborative public policy, thought leadership, outreach programs, and technical advisory activities.



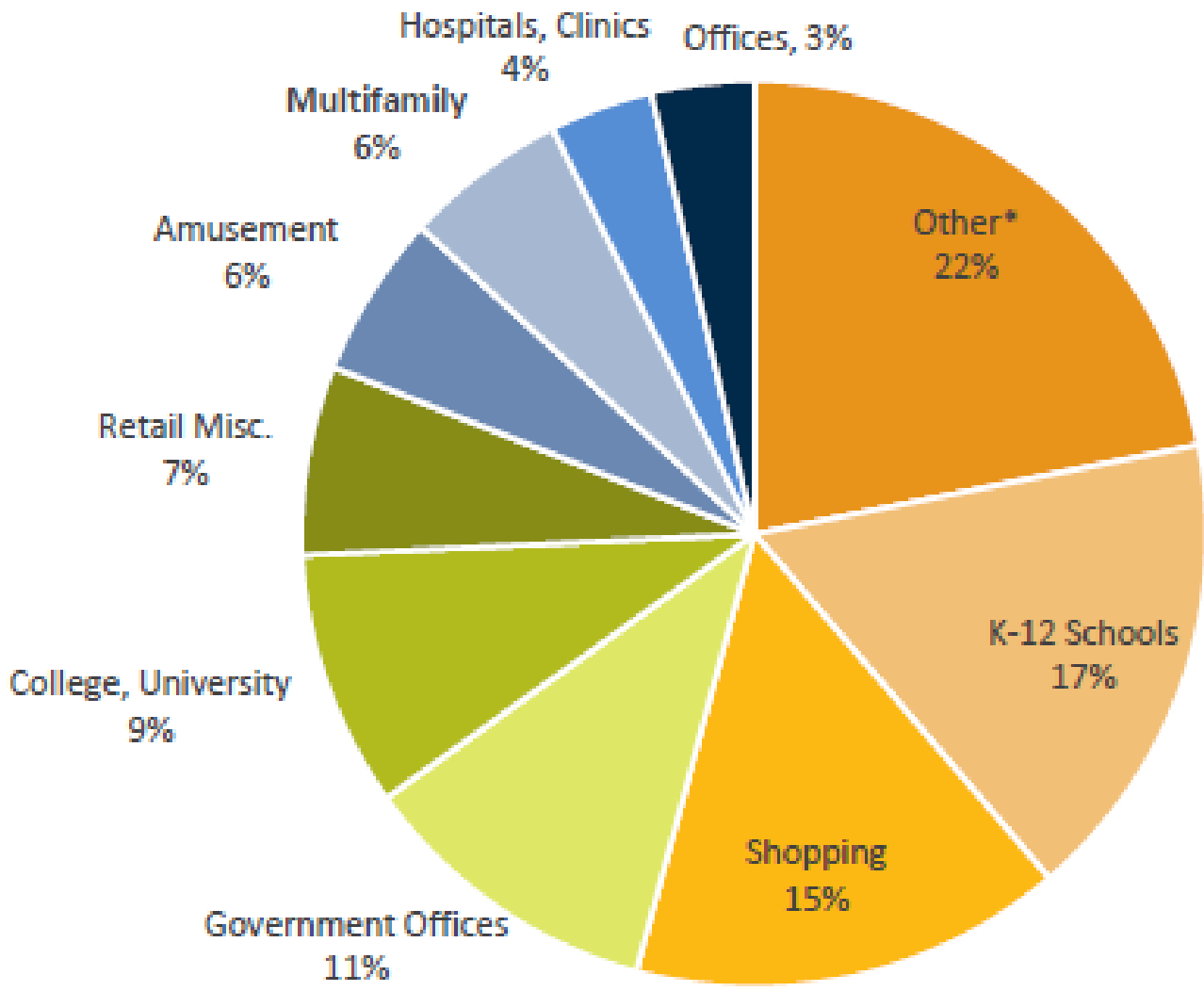
**Regional Energy
Efficiency Organization**

**Eleven-state
footprint**

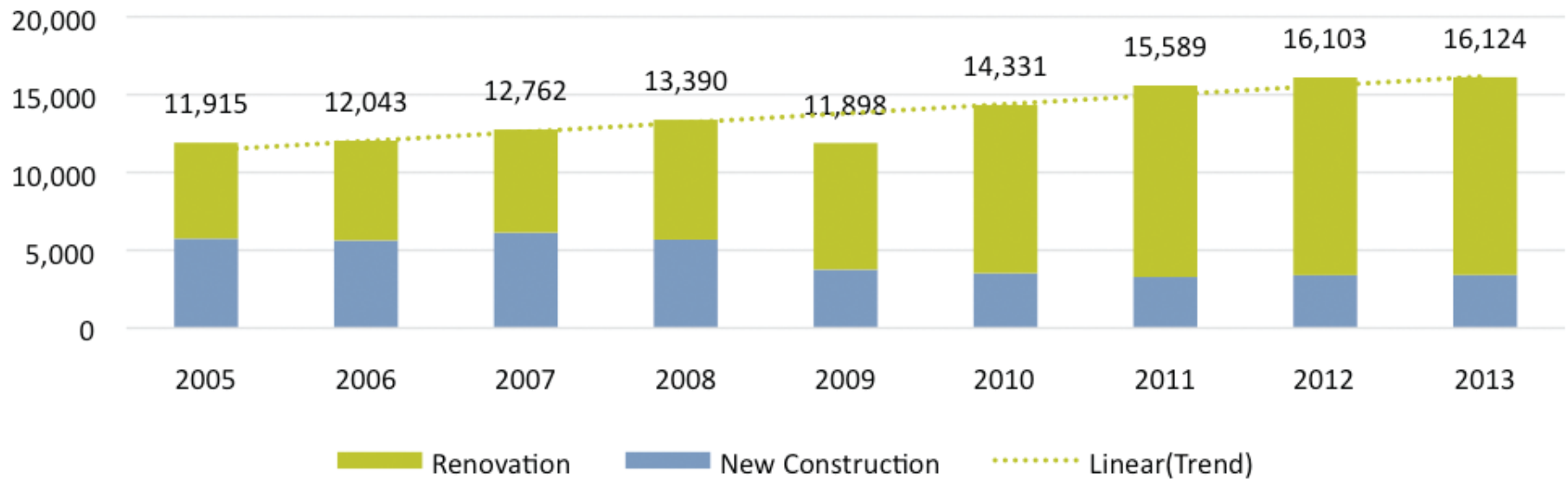
**Non-profit,
non-partisan**



Southeast Commercial Construction Starts: 2005-2015



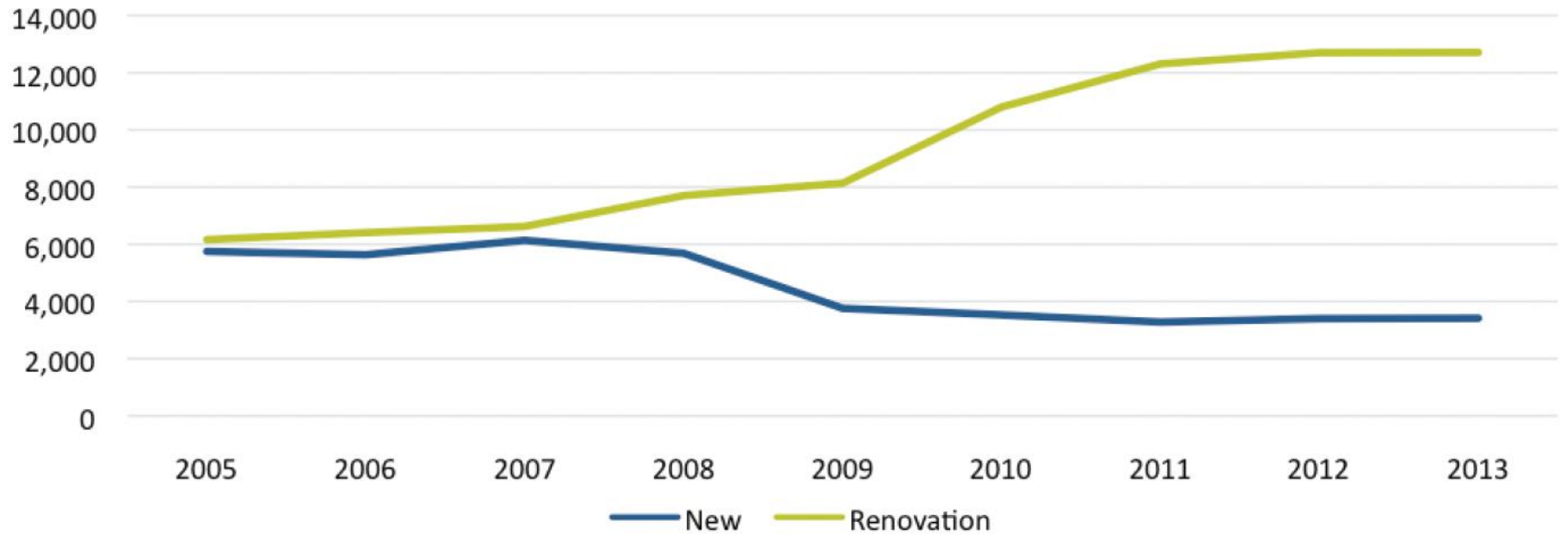
Commercial Construction Starts: 2005-2013



Construction Starts by State: 2005-2013

Construction Starts					
State	Year of New Code	Year Before New Code	Year of New Code	Year After New Code	Trend
Alabama	2012	1,024 in 2011	1,035 in 2012	1,159 in 2013	↗
Arkansas	2013	926 in 2012	784 in 2013	N/A	↘
Florida	2012	2,625 in 2011	2,957 in 2012	3,260 in 2013	↗
Georgia	2011	1,981 in 2010	2,024 in 2011	1,971 in 2012	↗
Kentucky	2011	901 in 2010	832 in 2011	943 in 2012	→
Louisiana	2011	1,152 in 2010	1,095 in 2011	995 in 2012	↘
Mississippi	2013	653 in 2012	661 in 2013	N/A	↗
North Carolina	2012	1,991 in 2011	1,831 in 2012	1,892 in 2013	→
South Carolina	2013	1,277 in 2012	1,286 in 2013	N/A	↗
Tennessee	2011	984 in 2010	1,390 in 2011	1,469 in 2012	↗
Virginia	2011	1,603 in 2010	1,802 in 2011	2,046 in 2012	↗

Southeast Commercial Construction: Project Type 2005-2013



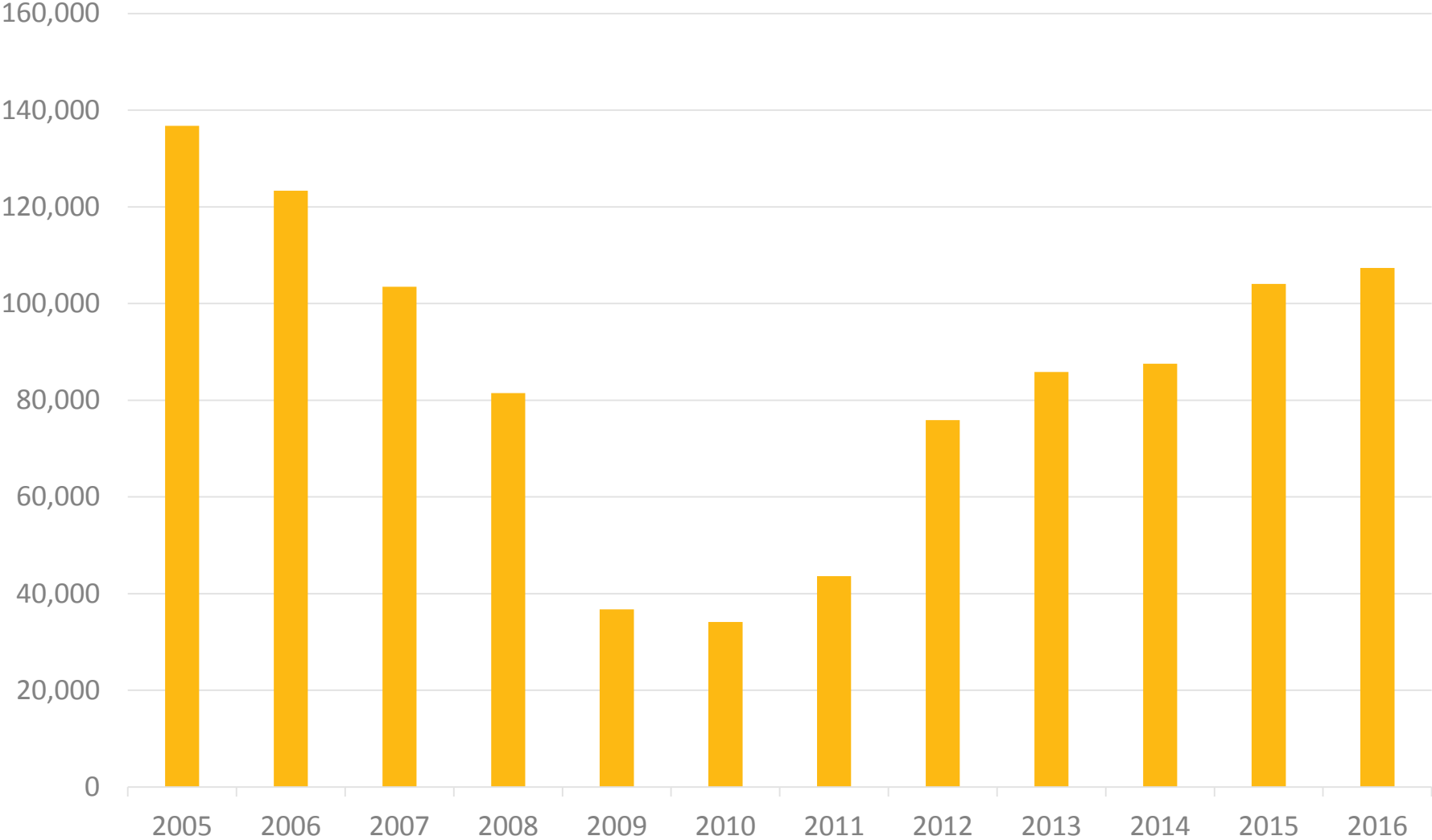
Southeast Commercial Construction: Square Footage

Table 3. Top 5 Building Types with Highest Total Project Area (2005-2015)

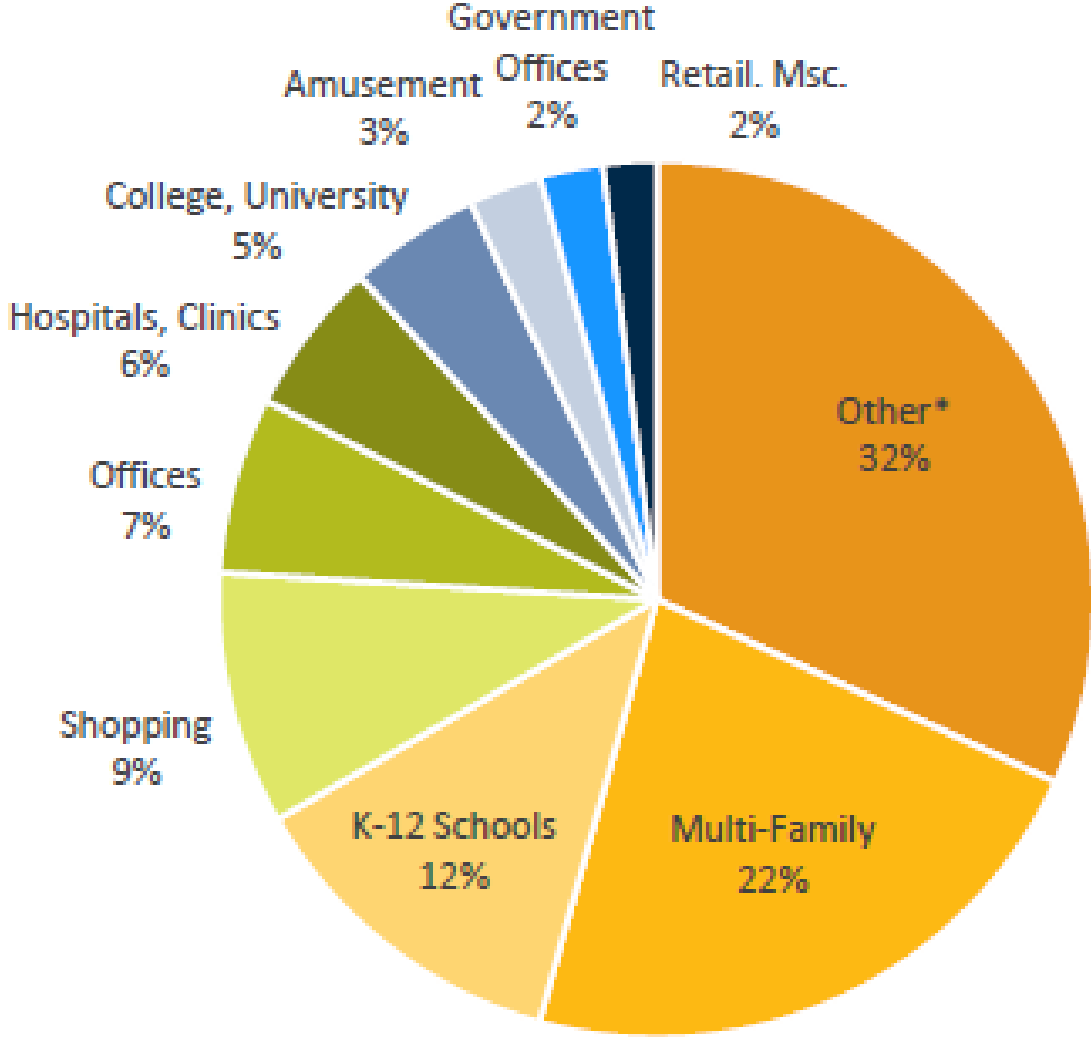
Building Types	New Construction Total Project Area (millions sq. ft.)	Renovation Total Project Area (millions sq. ft.)	Total Project Area (millions sq. ft.)
Multi-Family	818.71	10.81	829.52
Shopping	482.91	17.01	499.92
Manufacturing	254.52	5.40	259.92
Offices	254.42	8.71	263.13
Warehouses	232.15	10.38	242.53

Source: Construction Market Data Group LLC

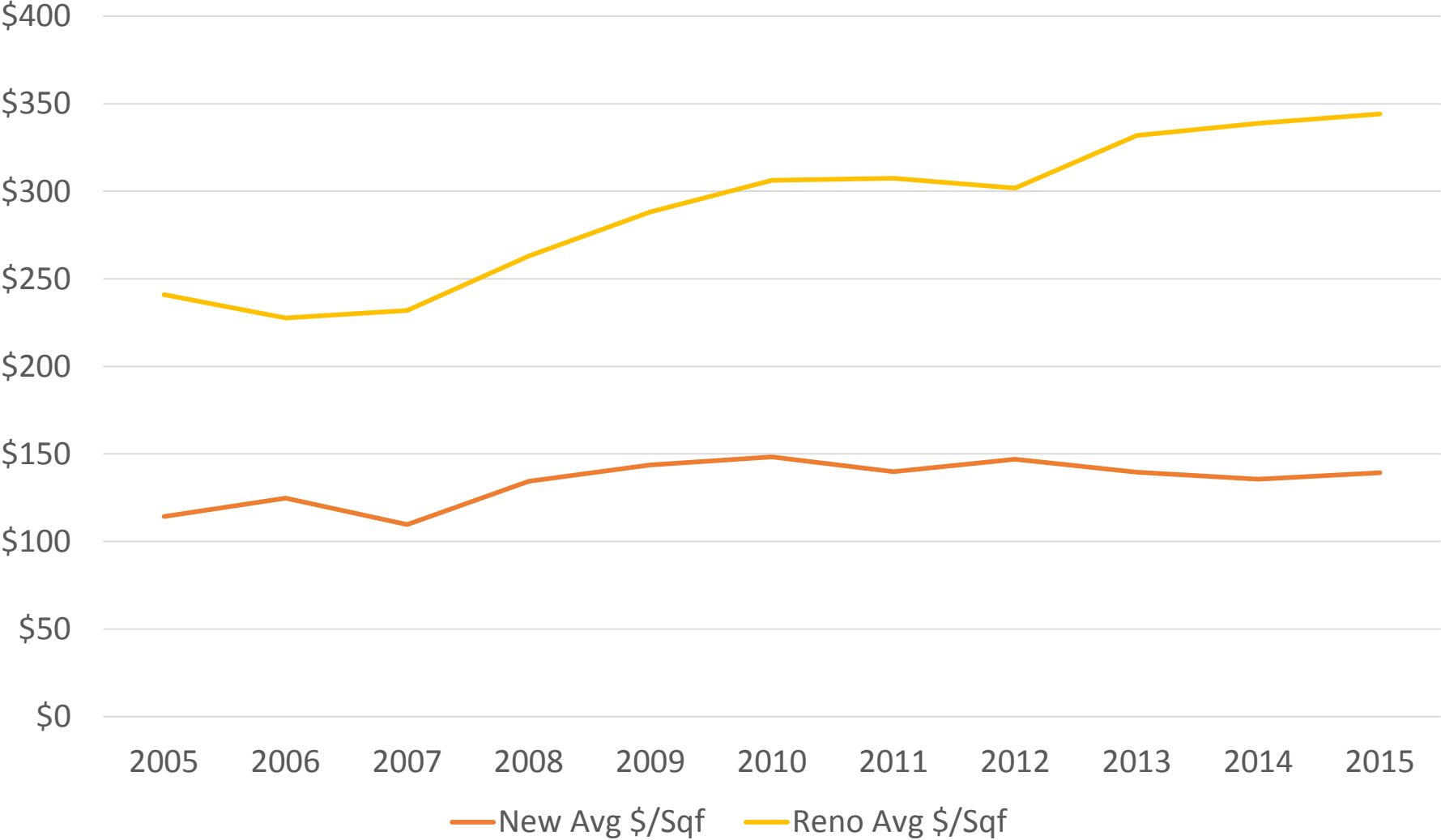
Southeast Multifamily Construction: New Units in 5+ Unit Buildings



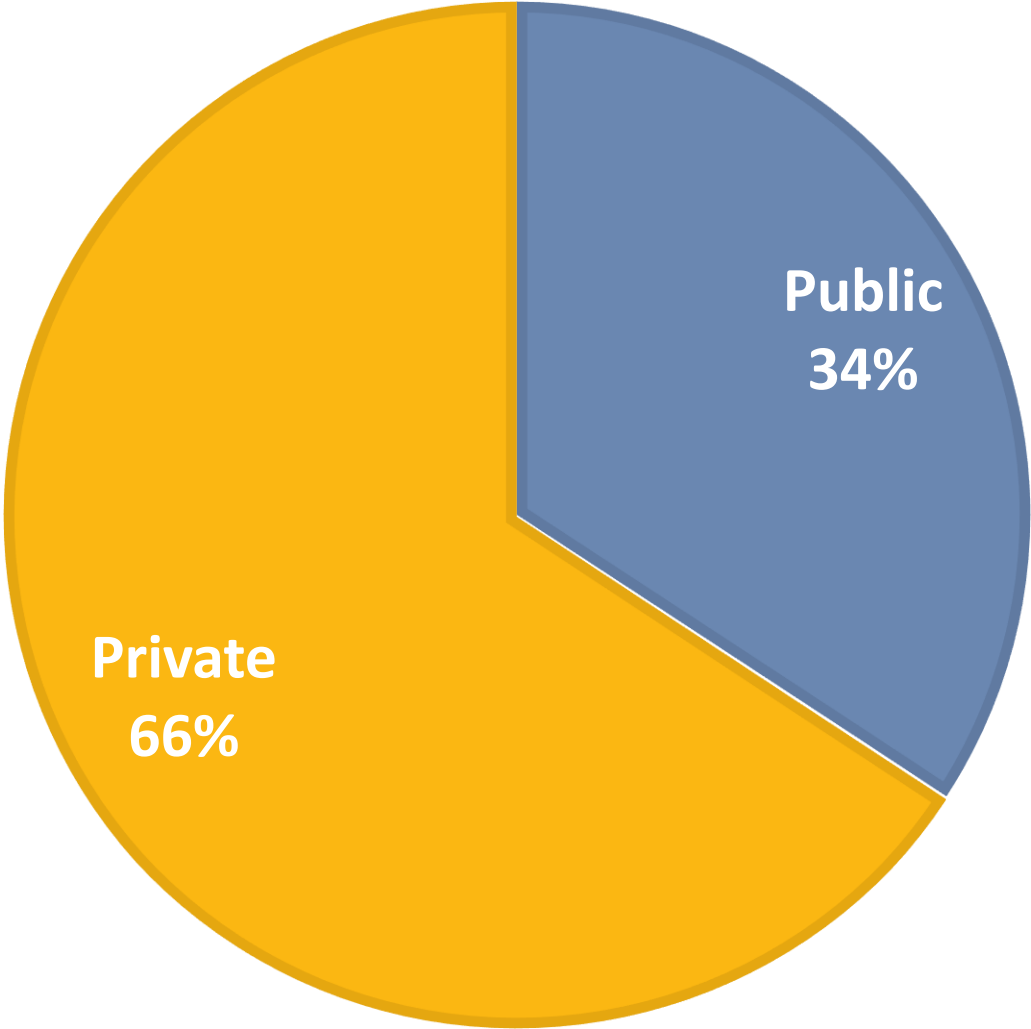
Southeast Commercial Construction Project Value: 2005-2015



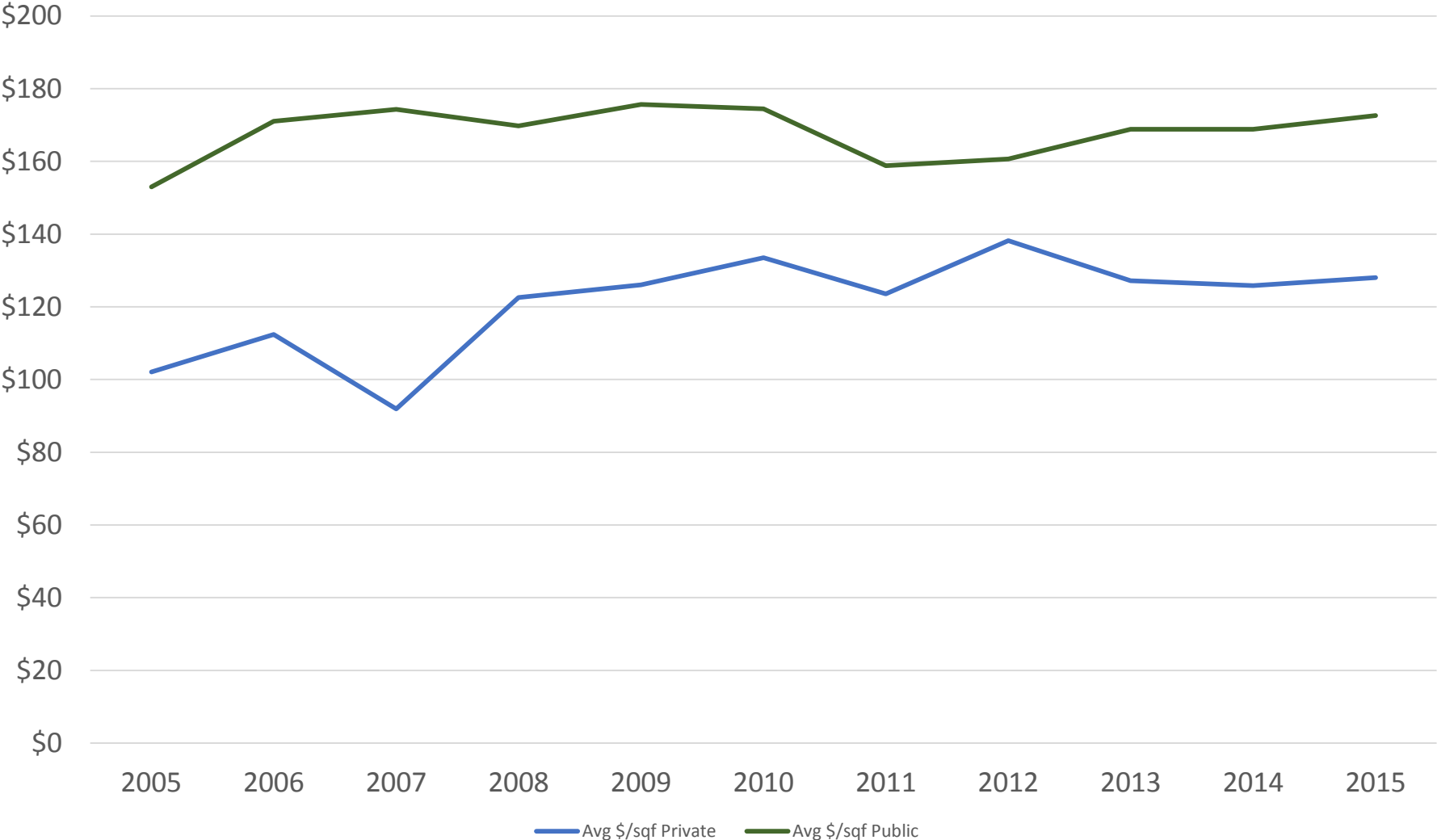
Southeast Commercial Construction: Cost/Square Foot



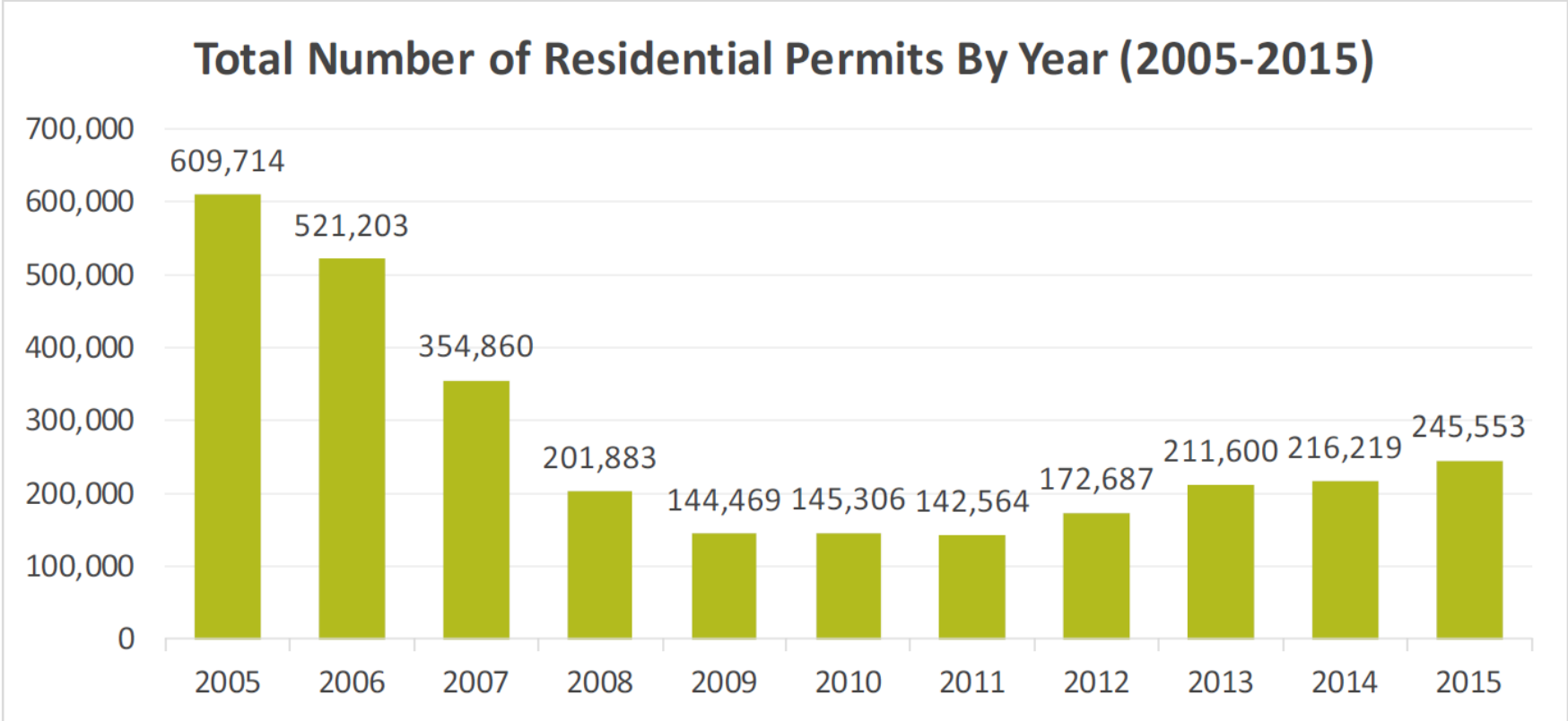
Southeast Commercial Construction: Ownership of New Construction



Southeast Commercial Construction: Public vs. Private Cost/Square Foot



Southeast Residential Construction



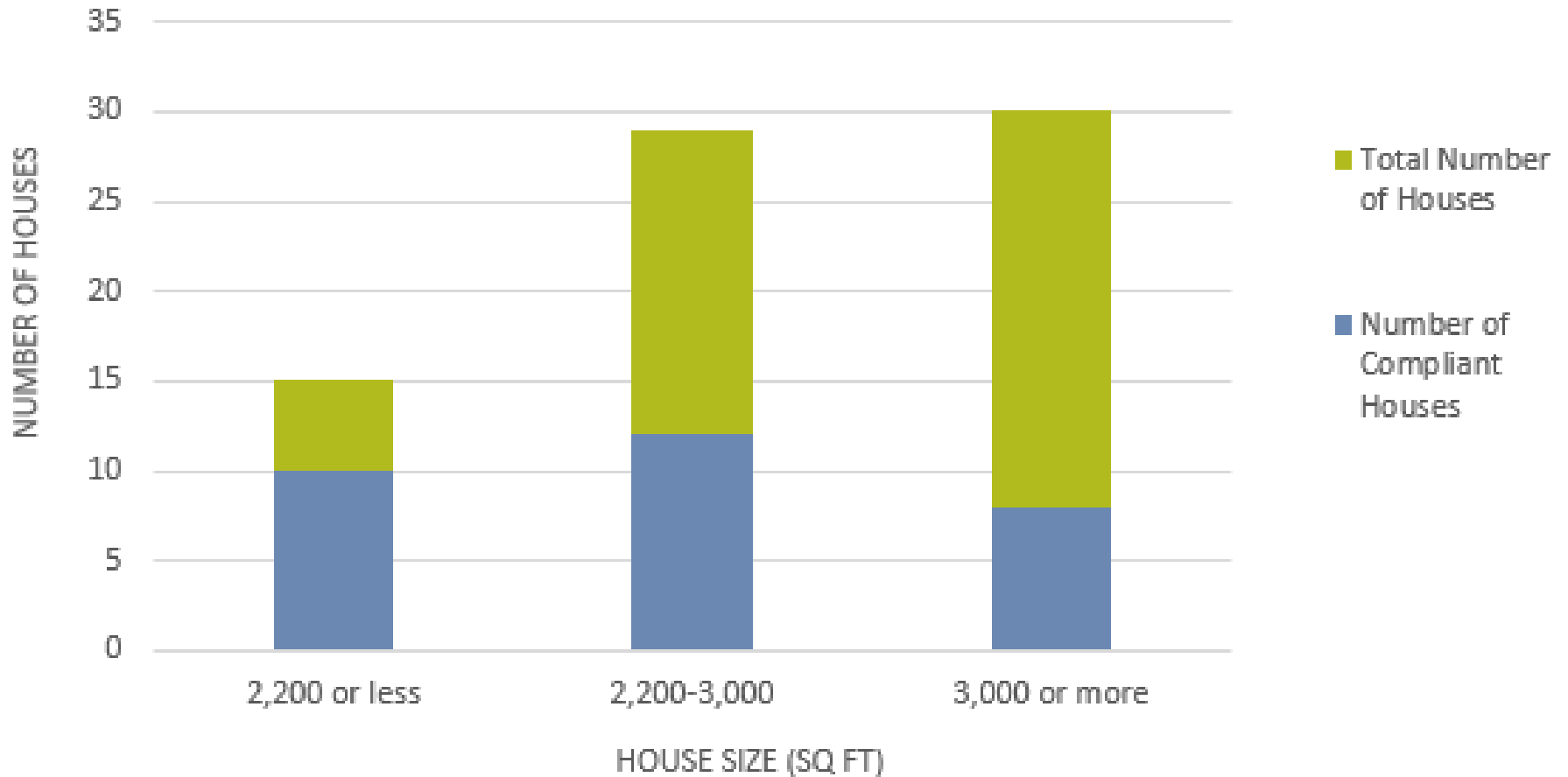
Residential: There's a lot of noise

- House Prices – not a good indicator
- House Size – not a good indicator
- Lending – incredibly impactful

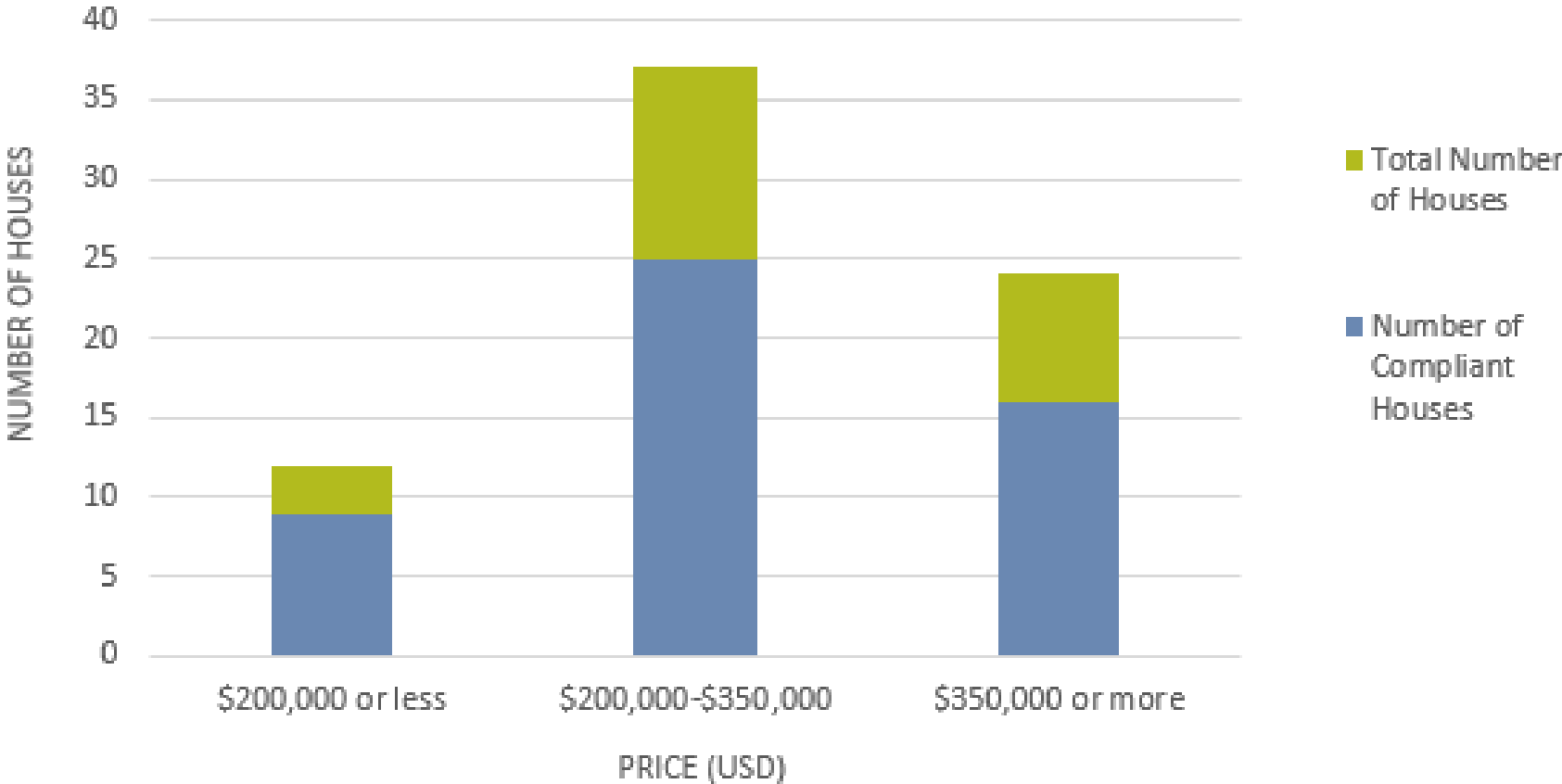
DOE Energy Code Field Study

- Single-family Residential
 - Overall, compliance higher than expected
 - Savings still available. Issues identified in majority of states:
 - Lighting
 - Duct leakage/air leakage
 - Quality of insulation install
 - Opportunity to look at trends from a different perspective

Georgia Lighting: Compliance by House Size



Georgia Duct Leakage: Compliance by Price





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Thank you!

Lauren Westmoreland

lwestmoreland@seealliance.org