

Innovations in Energy Policy and EECBG-Funded Programs in Florida Cities

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Overview of Three Projects

- **Planning Energy Sustainability Survey of Florida Cities**
 - Supported by FESC/FSU/IESES
 - Investigates the adoption of Energy Climate Plans and the link between plans and activities
- **EECBG Implementation: How do Florida Cities Measure Up in a National Survey?**
 - Supported by NSF
 - National Study of the implementation of EECBG grants
- **Can the EECBG Program Stimulate Lasting Change?**
 - Supported by NSF
 - Investigation of how EECBG influences future energy and sustainability efforts

Planning Energy Sustainability in Florida Cities

Policies	Cities with climate action plan or energy plan		Cities without any climate action plan or energy plan	
	Encourage	Require	Encourage	Require
Reduce greenhouse gas emissions	59.1%	0%	23.1%	1.0%
Compact developments in new and existing neighborhoods	62.5%	20.8%	46.8%	11.0%
Mixed-use development	87.5%	12.5%	64.2%	13.8%
Transit oriented development	69.6%	8.7%	45.7%	6.7%
In-fill development	91.7%	4.2%	62.4%	8.3%
Community-wide bicycle/pedestrian plan	54.2%	16.7%	50.0%	10.2%
Street design for multi-modal mobility in developments	50.0%	20.8%	39.6%	14.2%
LEED or other Green development certification for new development or redevelopment projects	65.2%	8.7%	27.9%	0%

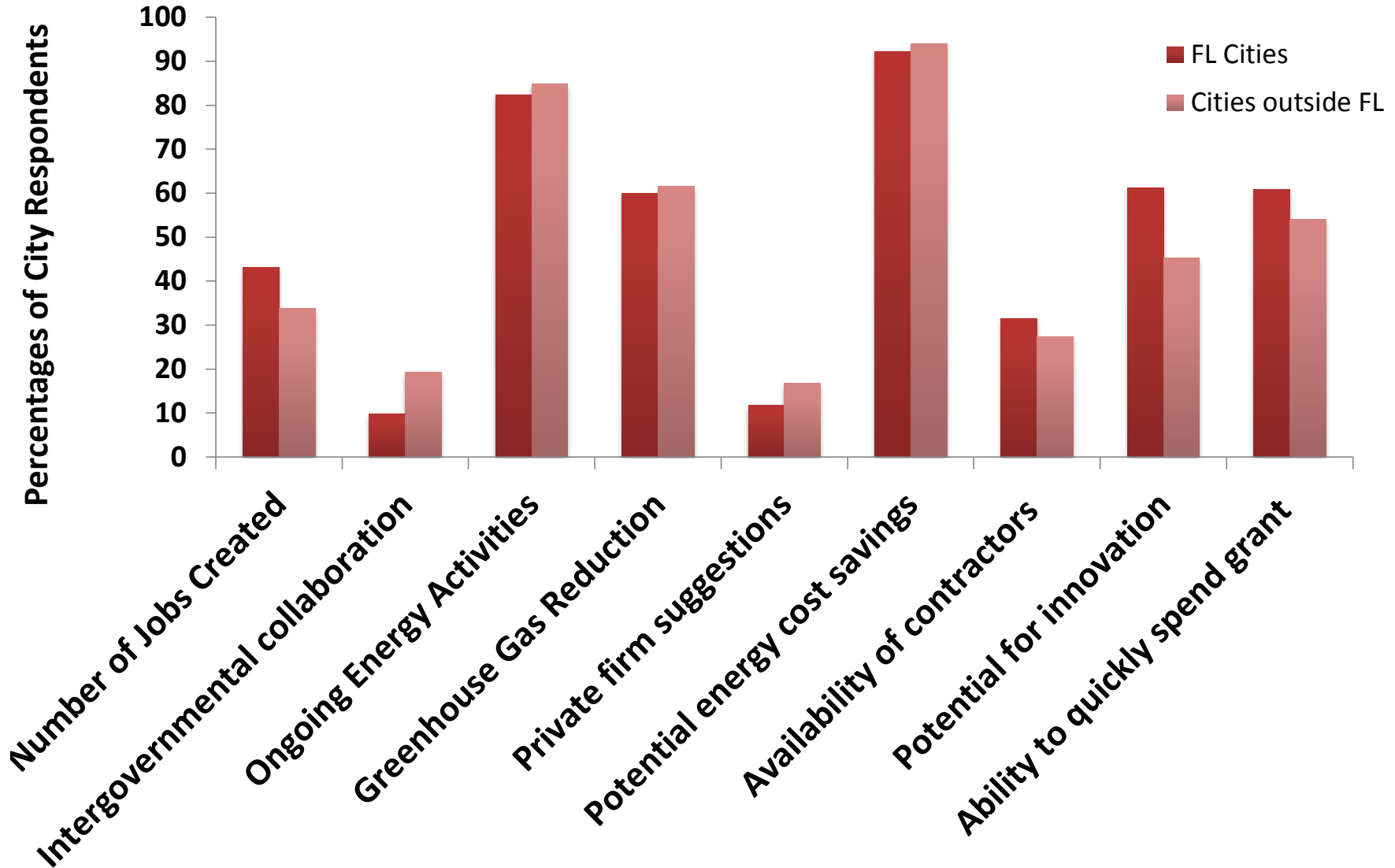
Council Manager Governments Emphasize Governmental Operations

	Cities enacting policies or regulation for energy/climate issues	
Form of Municipal Government	Government Operations	In the Community
Mayor-Council Government	64.2%	64.3%
Council-Manager Government	67.6%	47.6%

EECBG Implementation: How do Florida Cities Measure Up?

1. Prioritizing Energy Efficiency and Sustainability: Influencing EECBG project choices
2. Using EECBG Funds: Types of projects in Florida
3. Impacts and Expectations: EECBG-funded projects after the money runs out
4. Future Research: EECBG-funded projects and policy and management change at the local level

Prioritizing: Factors Influencing EECBG Choices

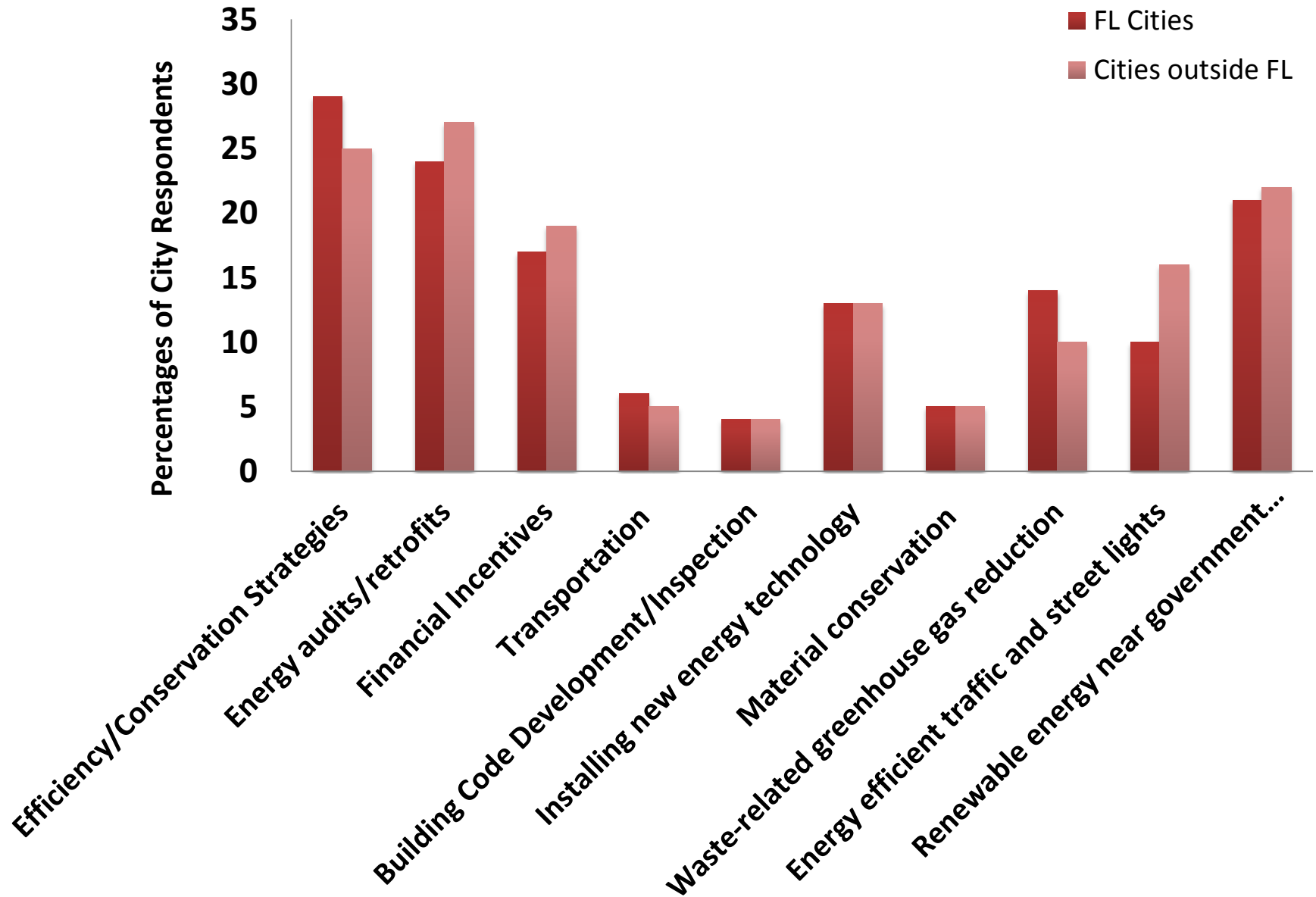


Factors Influencing EECBG Choices:

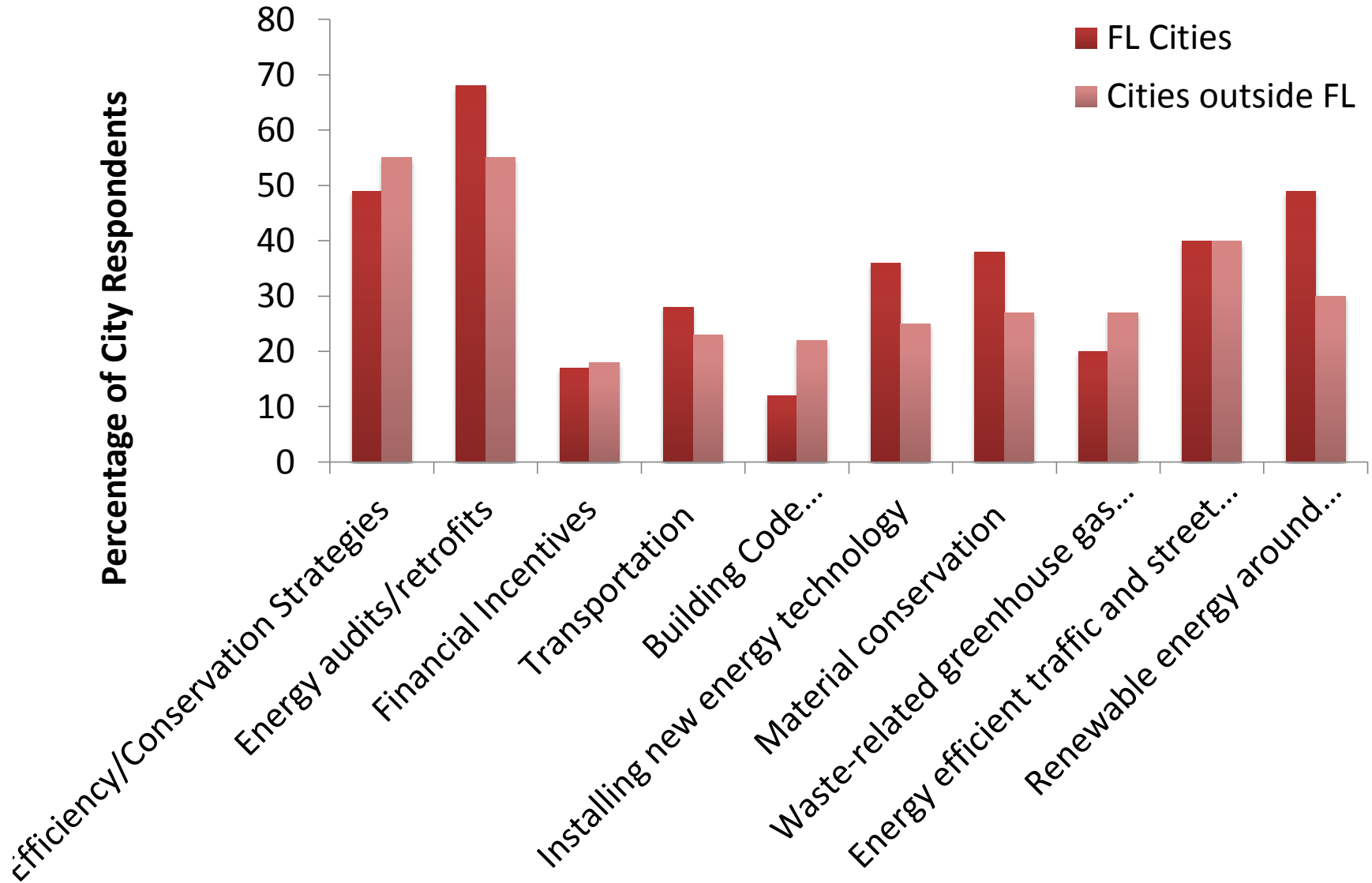
Some Core Differences

- The high priority of economic factors like job creation and faster spending may suggest that grant funds are being used to stimulate economic growth more in cities in Florida than cities in other states.
- The high priority of potential innovation suggests that Florida cities may be more interested in long-term energy projects than cities in other states.
- Florida cities low prioritization of collaboration with firms and other governments may result in slower capacity building and policy implementation than cities in other states.

Funding New Project Activities



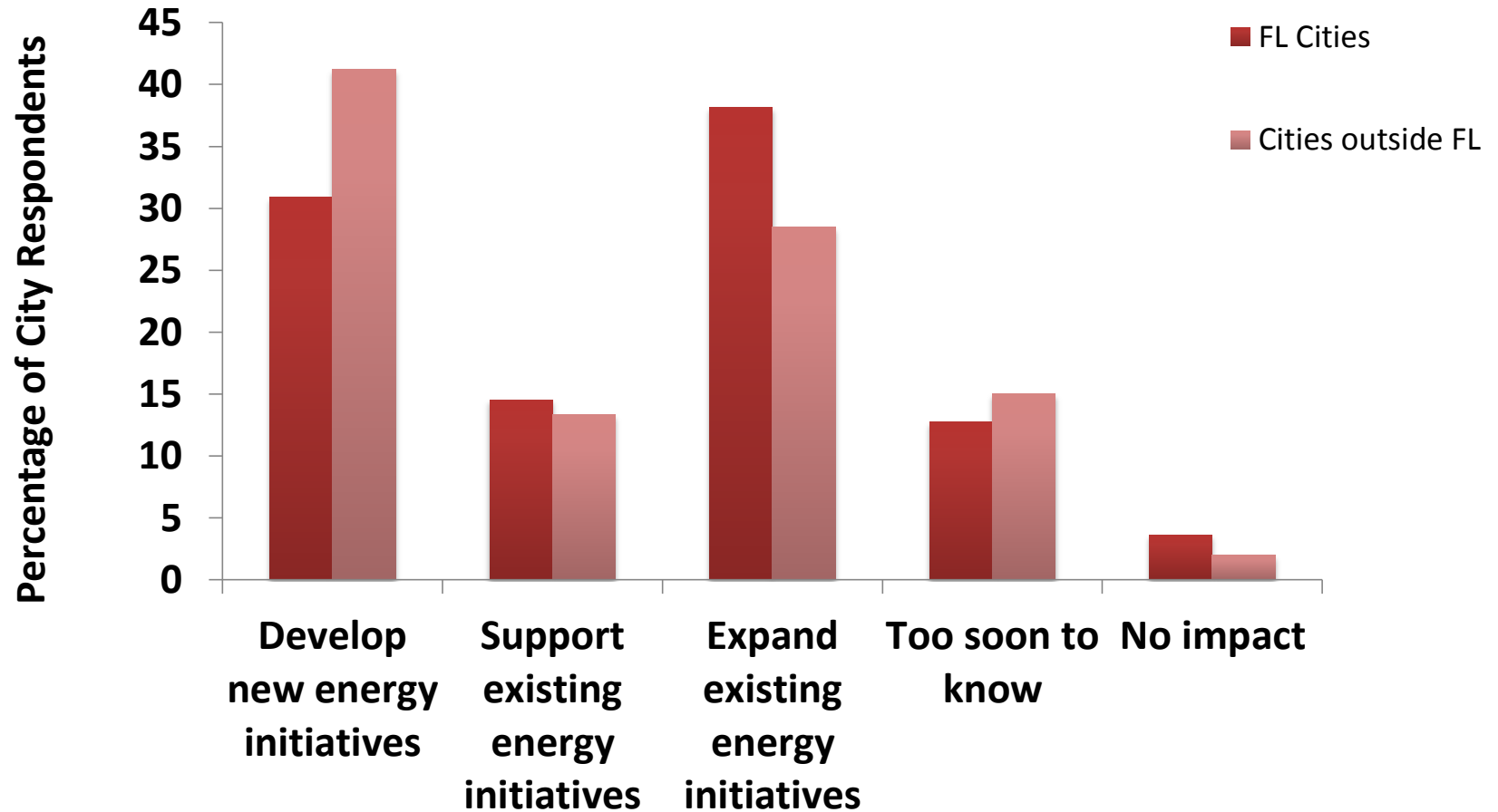
Funding Ongoing Project Activities



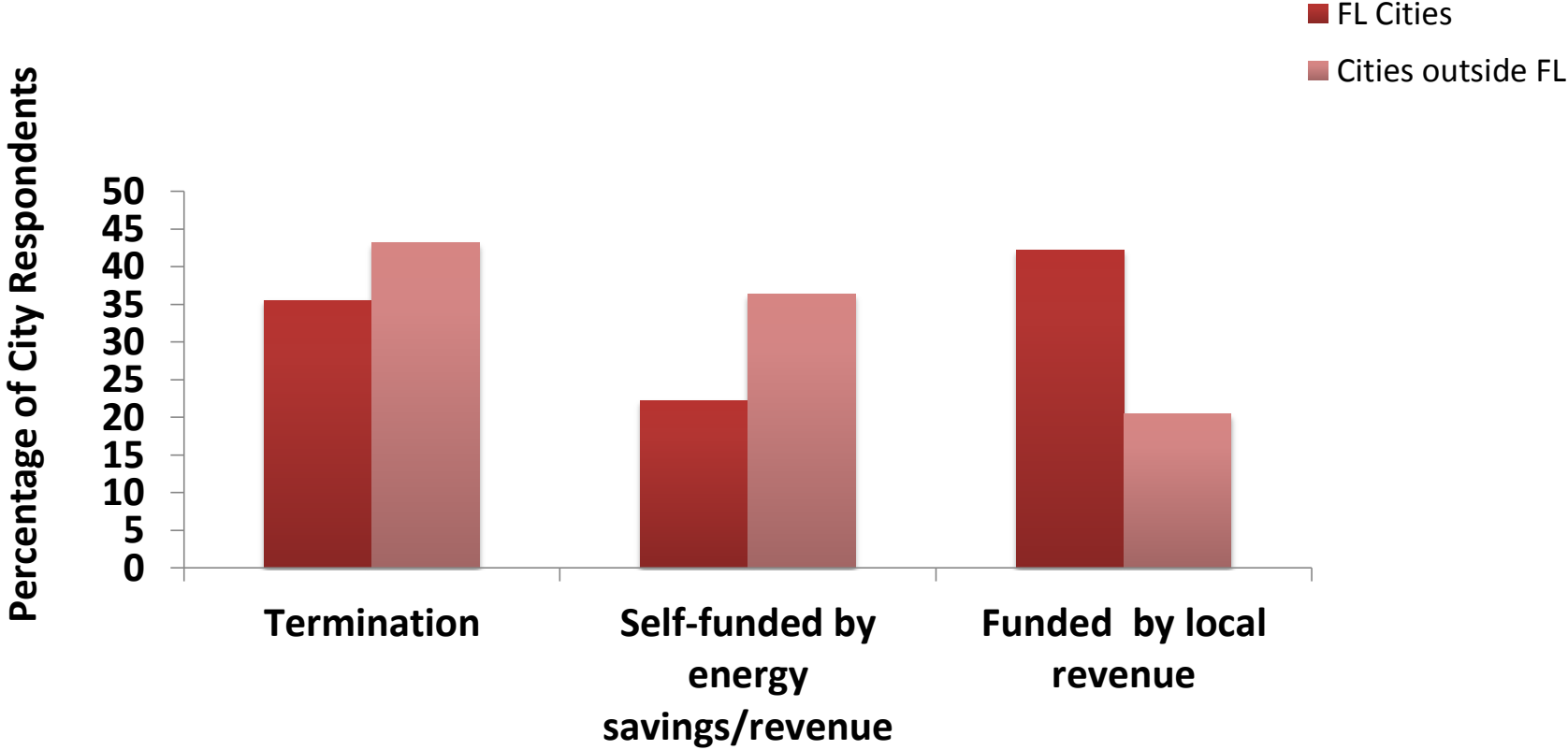
New and Ongoing Project Activities: Some Core Differences

- Even before the EECBG Program, Florida cities were already engaged in more energy/sustainability activities than cities in other states.
- Florida cities are using EECBG funds to have more well-rounded energy policies: Using funds for policy types where they did not have ongoing activities.
- Focus on the development of efficiency/conservation strategies

Most Significant Impacts



Long Term Expectations for EECBG-Funded Projects



New Project:

Can the EECBG Program Stimulate Lasting Change?

- A key goal of the EECBG Program has been to create lasting changes in local sustainability practices.
- To what extent and by what processes has DOE shifted the priorities and actions of local governments
- How durable are these changes?
- What explains differences among cities in continuance of EECBG activities?

Research Agenda

- Design of Intergovernmental Programs
 - Implementation and delay
 - Incentives to continue action beyond one time grants
- Local management practices
 - Design of Intergovernmental Programs
 - Implementation
- Energy and policy practices
 - Impacts on innovation and collaboration