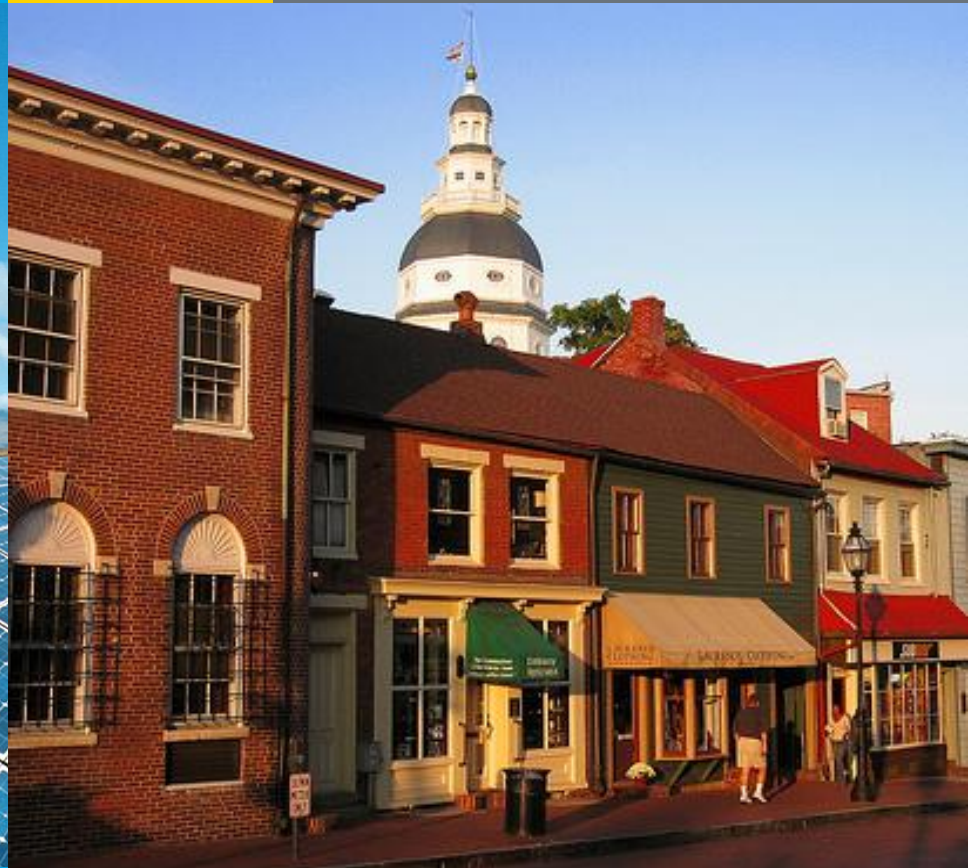


2011 NASEO Annual Meeting

U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy



Annamaria Garcia
September 2011

Topics to Cover

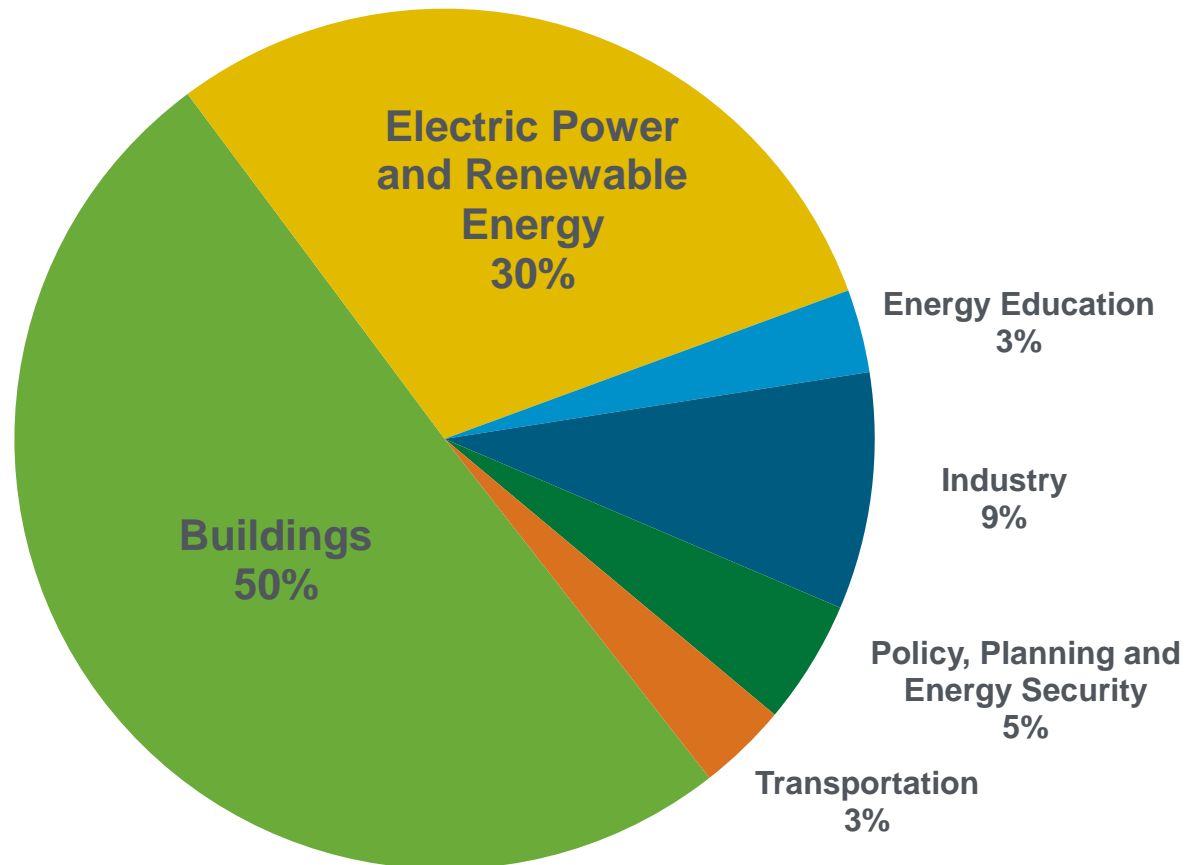
1. **ARRA**
2. **SEP Base Program**
3. **Program Evaluation**
4. **Planning for Future Challenges**

ARRA

1. Overview
2. Spending Performance
3. Accomplishments
4. Financing Report
5. Monitoring Activity

\$3.1 billion in ARRA funding for SEP

- Allocated using the Base program formula
- No cost match required, unlike Base program
- Leveraging additional private capital (provisionally estimated in excess of \$1 billion)

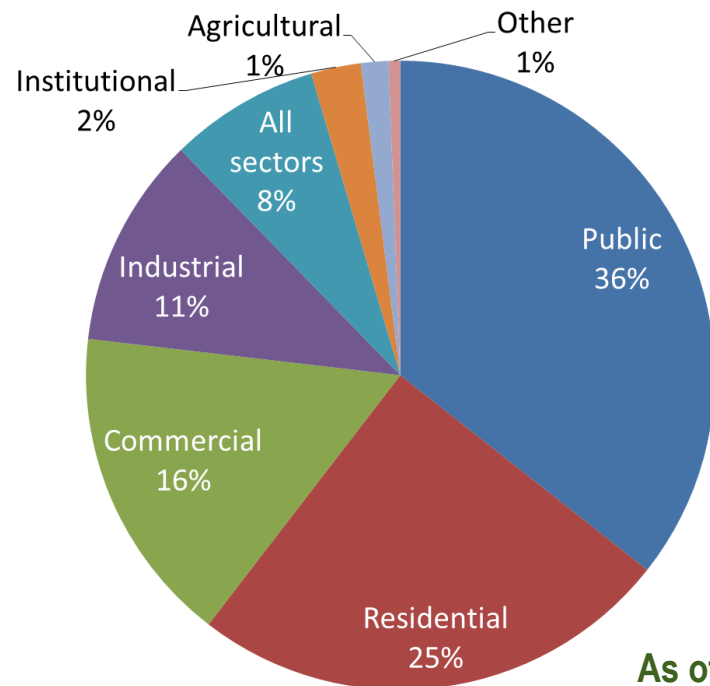


- **\$1.5B** , nearly **one half** of SEP ARRA funds have been dedicated to improving buildings
- **\$1.3B** is going to **Building Retrofits** across many economic sectors
- Remaining **\$200M** dedicated to **building audits and codes**

Spending Amount Projections

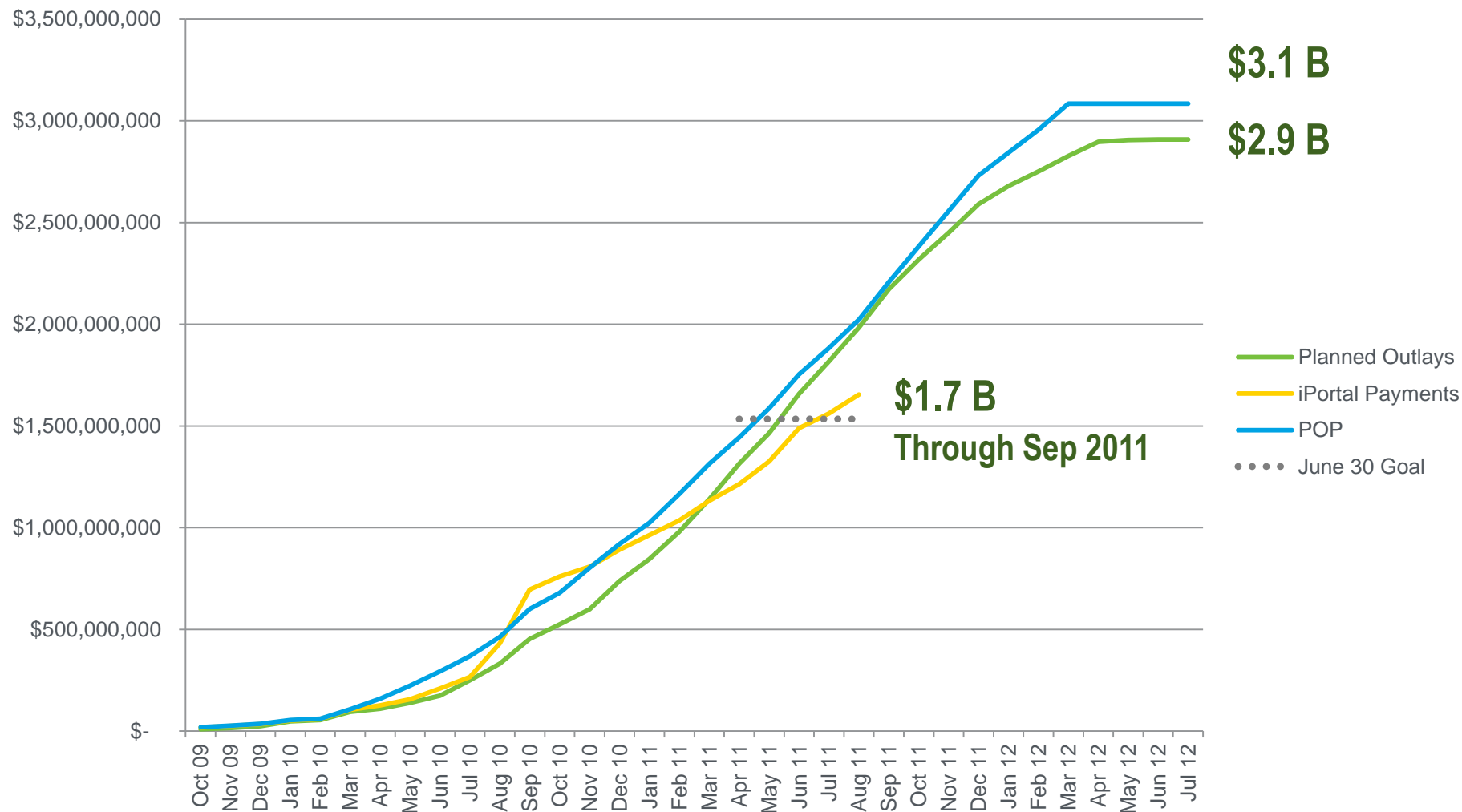
Agricultural	\$	13,035,446
Commercial	\$	129,725,950
Industrial	\$	147,426,749
Public	\$	766,570,418
Residential	\$	226,423,309
Total	\$	1,283,181,872

Actual ft² retrofitted by sector



As of Sept 2011

Current Payments and Goals



As of September 2011 SEP ARRA Projects have achieved:

- **238M ft²** of building space in nearly **33,000 buildings** retrofitted
- **\$528M** in Revolving Loan Funds (RLFs) for energy-efficiency and renewable-energy projects
- **77 MW** of solar photovoltaic capacity installed
- **240,000 Americans** trained in energy-efficiency and/or renewable-energy issues
- **More than 4,800 direct jobs** officially reported for the latest quarter

- **\$759M (25%) of SEP ARRA funds are dedicated to financing**
- **\$529M (85%) of SEP ARRA funds in Revolving Loan Funds**

Revolving Loan Fund Status	
Allocated	Loan Value
\$528,645,283	\$214,179,802
	41%

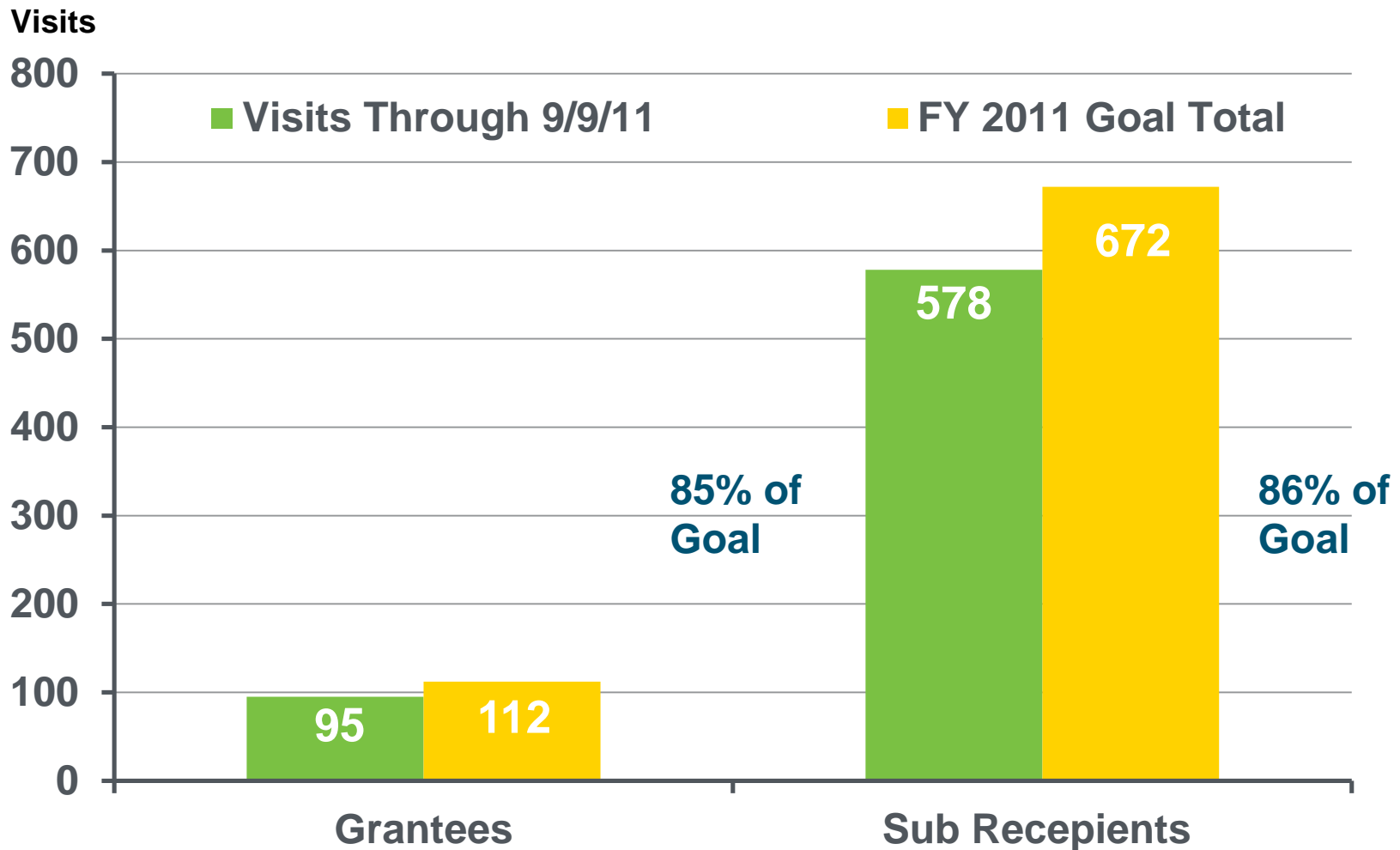
- **The remaining 15% is divided between:**
 - **Performance Contracting**
 - **Energy Conservation Bonds**
 - **Loan Loss Reserves**
 - **Low Interest Loans**

SEP ARRA Revolving Loan Fund Status

As of September 2011

Sectors	Allocation	Loans Made	% of Funds Loaned
Generation Investments	\$113.4	\$32.0	28%
Retooling/ Manufacturing	\$100.2	\$70.1	70%
All Sectors EE	\$60.6	\$20.2	33%
Commercial EE	\$14.9	\$3.3	22%
Public EE/RE	\$192.0	\$80.7	42%
Residential EE	\$25.1	\$ 5.7	23%
Industrial EE	\$22.5	\$ 2.3	10%
Grand Total	\$528.6 M	\$ 214.3 M	41%

Monitoring Goals and To Date



SEP Base Program Activity

1. FY11 and FY12 Funding
2. FY11 Formula Grants
3. FY11 Competitive Grants

FY 11 Final Budget = \$50.0 M (Apr 2011)

- \$50M total for SEP
- \$39 M in formula grants
- \$ 5 M in competitive grants
- \$ 6 M in technical assistance

FY 12 SEP Funding Request = \$63.8M

- House Markup = \$25M
- Senate Markup = \$50M
- Final appropriation and timing uncertain

Annual Formula Grants are awarded to 56 States and Territories, to be used by the grantees to develop strategies and goals to address their individual energy priorities

- **A total of \$39M in FY 11 funding**
 - **Distribution via population-based formula**
 - **Allocated to all 50 States, 5 Territories and the District of Columbia**
- **Awards Completion: September 30, 2011**

SEP competitive grants provide opportunities for States to submit innovative proposals which highly leverage Federal funding and create sustainable or clean energy projects focused on specific high-impact market transformation and cross-cutting solutions.

- **A total of \$5M in funding for SEP FY 11 Competitive**
- **Received 35 applications totaling over \$16 M**
 - **11 in Area 1; 4 in Area 2; 20 in Area 3**
- **9 Selectees covering 10 States**

Area of Interest	Recommended Funding	Number of Awards
1. Enhancing Commercial Building Retrofits through Streamlined Standards and Policy Incentives	\$ 4.08 M	5
2. Stimulating Energy Efficiency Action	\$300 K	1
3. State Energy Extension Partnerships (SEEP)	\$620 K	3

SEP Program Evaluations

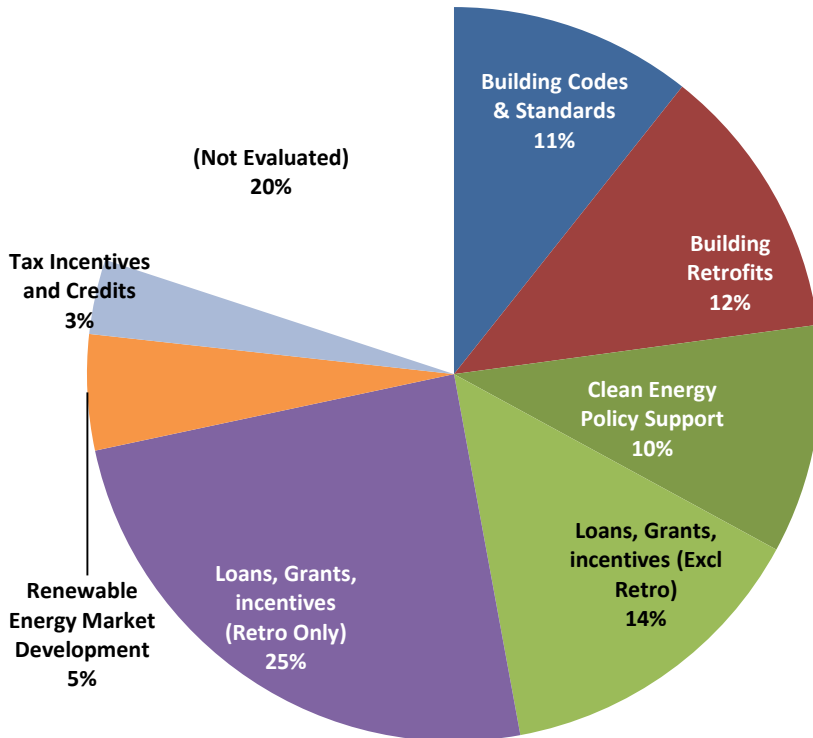
1. Scope
2. Process
3. Deliverables

The SEP Evaluation is a planned, independent evaluation of SEP activities by KEMA and affiliates overseen by ORNL. They will evaluate metrics from various SEP-funded PY2008 and ARRA activities

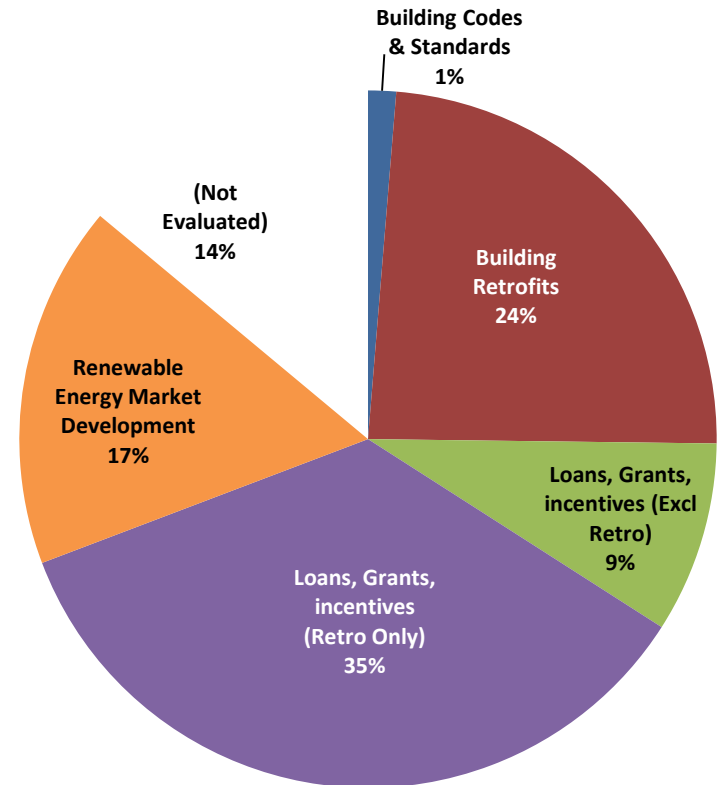
- **82 total Programmatic Activities** selected using stratified random sampling from key Broad Programmatic Activity Categories (BPACs)
- **46 Grantees** represented in the sample group
- BPACs studied represent at least **80% of non-admin program funding**
- The evaluation aims to establish:
 - Energy, cost, and demand savings
 - Renewable Energy generation
 - Job creation
 - Carbon emissions reduction from each PA
- Evaluation is not an invasive reach into Grantee operations – it will involve taking a deep dive only into measuring areas listed above from a handful of Grantee activities.



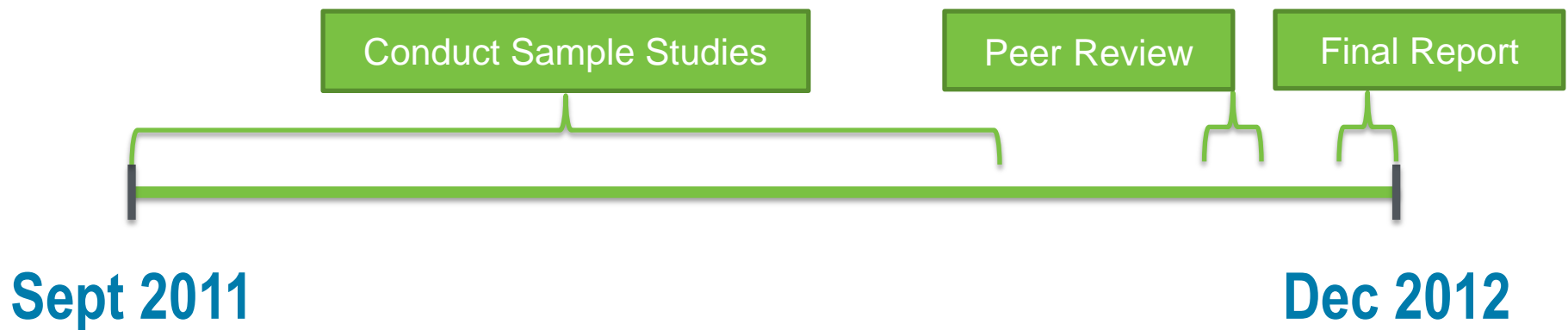
PY2008 PA Breakdown by BPAC



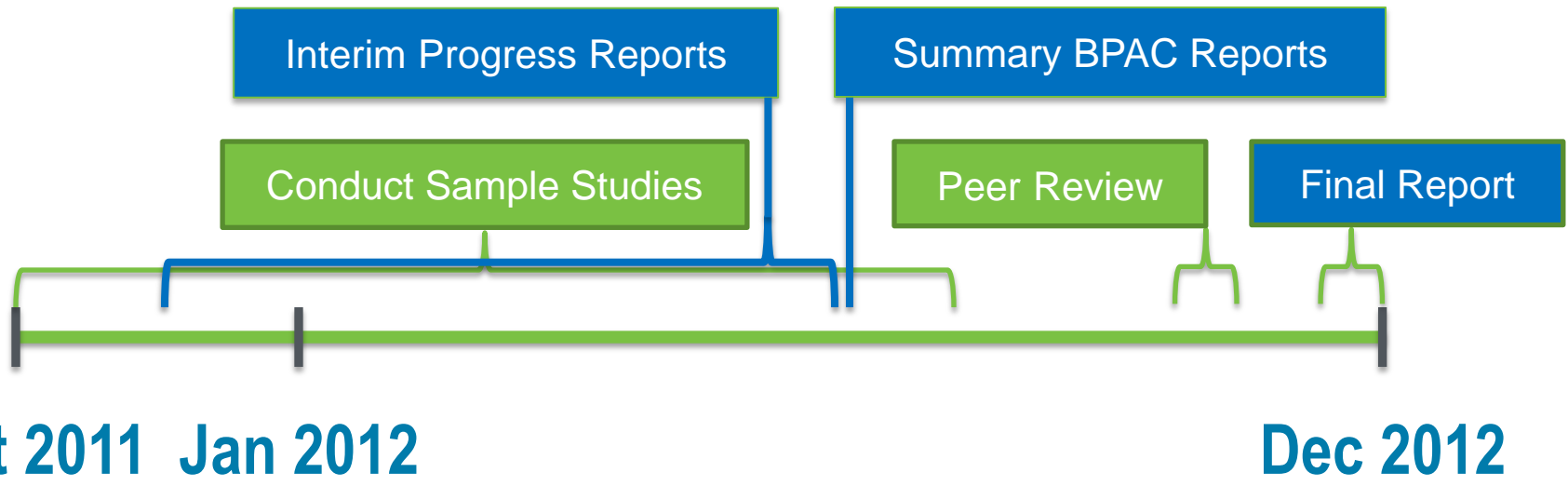
ARRA Sample PA Breakdown by BPAC



- Last week letters were sent notifying Grantees of activities selected for sampling. KEMA has already initiated contact with some Grantees)
- Sampling study taking place now – June 2012. Draft findings will be presented to DOE and Peer Review Panel in October 2012
- Final Report December 2012



- Interim progress reports late 2011 through mid-2012
- Summary reports for each Broad Program Activity Category mid-2012
- Final report December 2012



- Achieve the goals of the Recovery Act through completion of ARRA projects & transition from its significant investments
 - Gather data, lessons learned and best practices
 - Take action on a strategy for smart deployment of best practices regionally and nationally
- Develop guidance and priorities for the FY 12 SEP grants
- Implement the projects & activities supported by the FY 11 grant funds
 - Look at strategies that leverage best practices from ARRA and other State and Territory efforts with base program funding
 - Best applications for the financing legacy of ARRA (RLFs, LLRs, etc.) in states and localities

- Create an expanded platform for state-local partnerships to leverage the results and lessons from EECBG grants
- Optimize limited resources to provide technical assistance to enable high impact activities and capture more energy efficiency and use of clean technologies
- Improve and expand communications to get better messaging to the private sector and the public on the value proposition of energy efficiency and clean technology



State Energy Program

