

Update on Progress: Weatherization and Intergovernmental Program

U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy



STEAB Meeting
June 8, 2011

LeAnn M. Oliver
Weatherization and
Intergovernmental Program

June 2011 – 50% Spend Goal

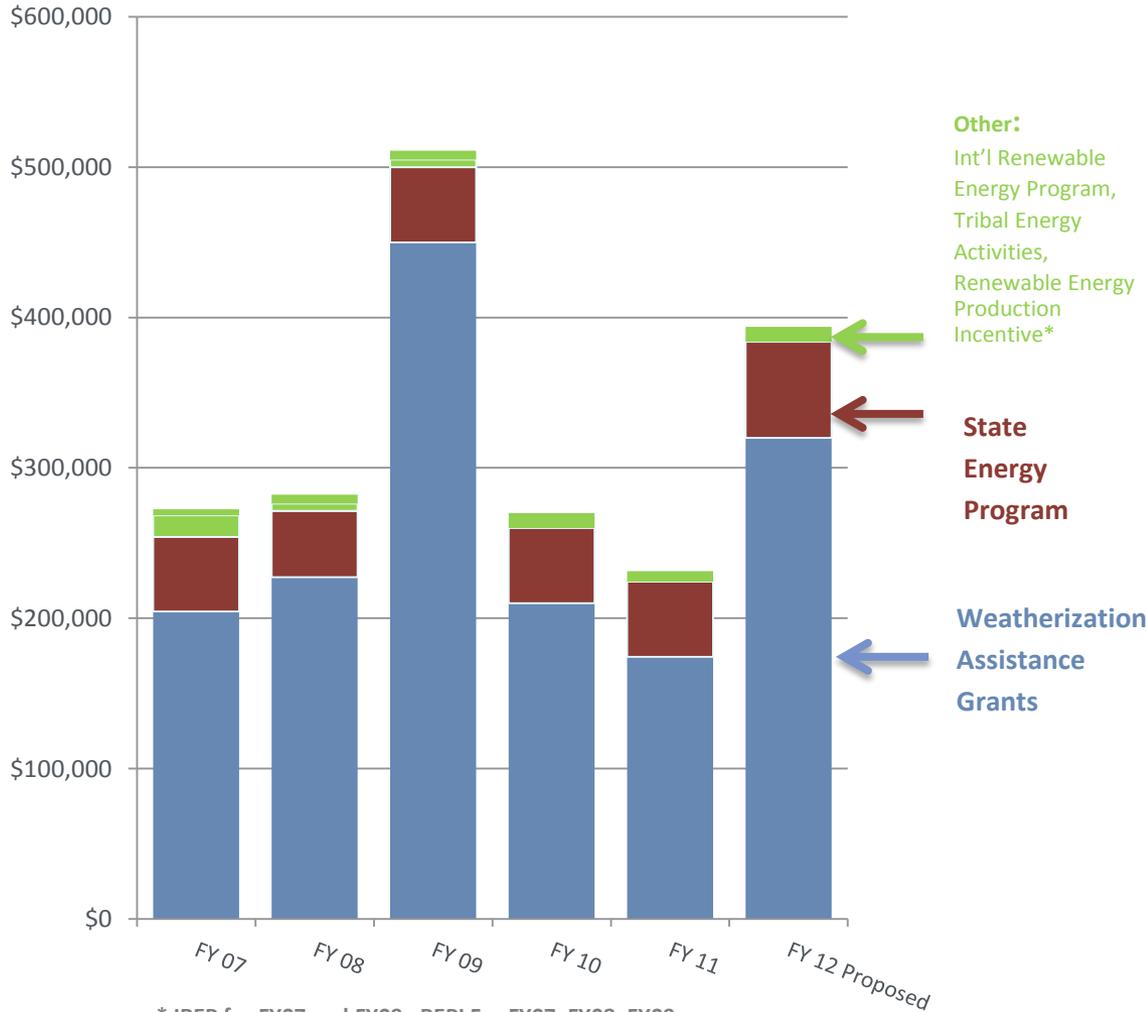
	Cumulative Payments Target for June (\$ million)	Cumulative Payments to Date (\$ million)	Percent of 50% Spend Goal Reached
WAP	3,371.7	2,915.8	86%
SEP	1,753.7	1333.7	76%
EECBG	1,468.4	1109.1	76%
WIP Total	6,593.8	5,358.6	81%

Total Recovery Act Spending

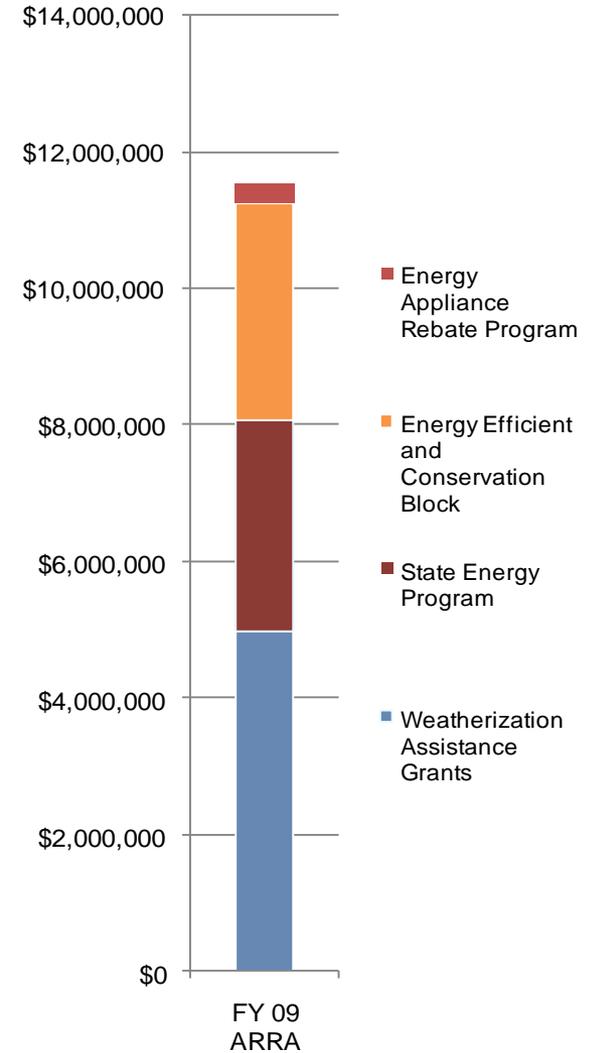
	Cumulative Payments Target (\$ million)	Cumulative Payments to Date (\$ million)	Percent of Total Goal Reached
WAP	4,975.0	2,915.8	58.6%
SEP	3,084.5	1333.7	43.2%
EECBG	2,803.2	1109.1	39.6%
WIP Total	10,862.7	5,358.6	49.3%

WIP Funding History

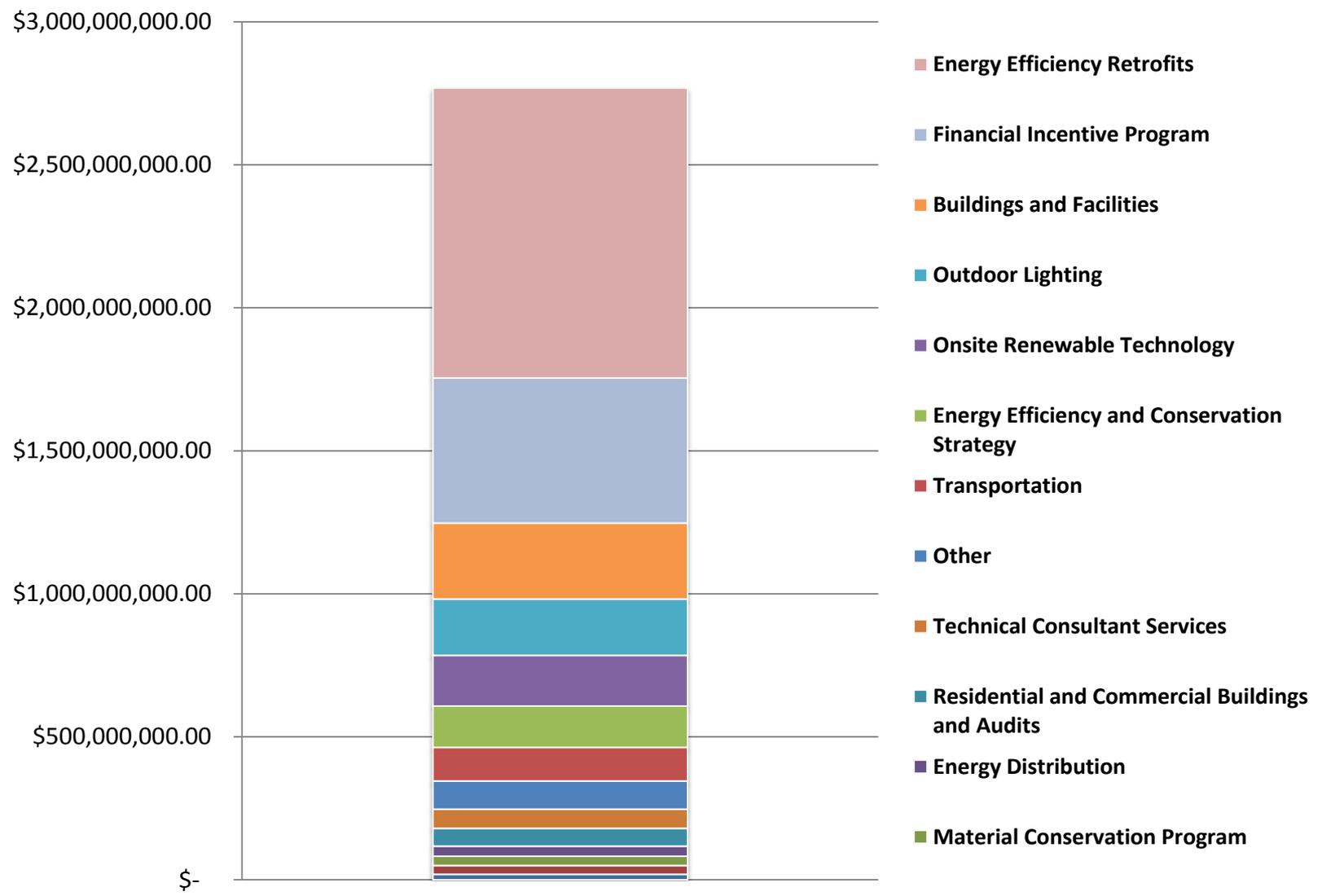
(\$ 1,000)



* IREP for FY07 and FY09; REPI For FY07, FY08, FY09

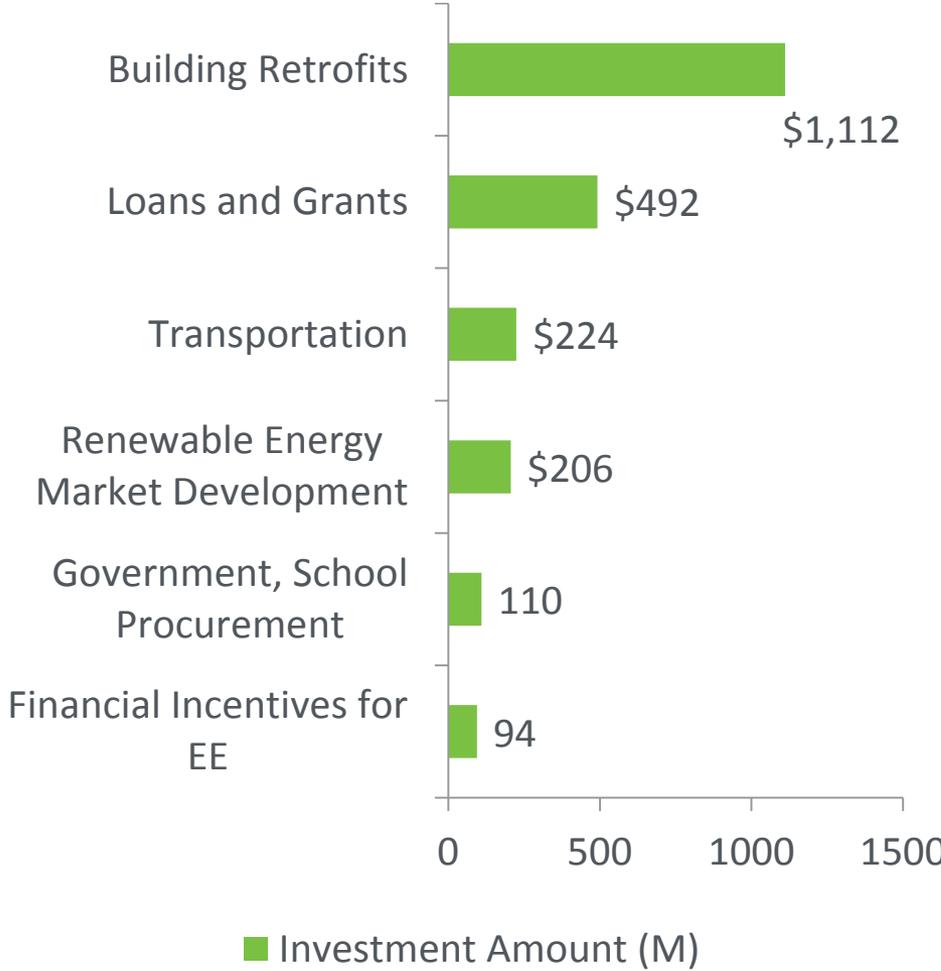


Energy Efficiency Conservation Block Grants (EECBG) - Investments By Activity Type

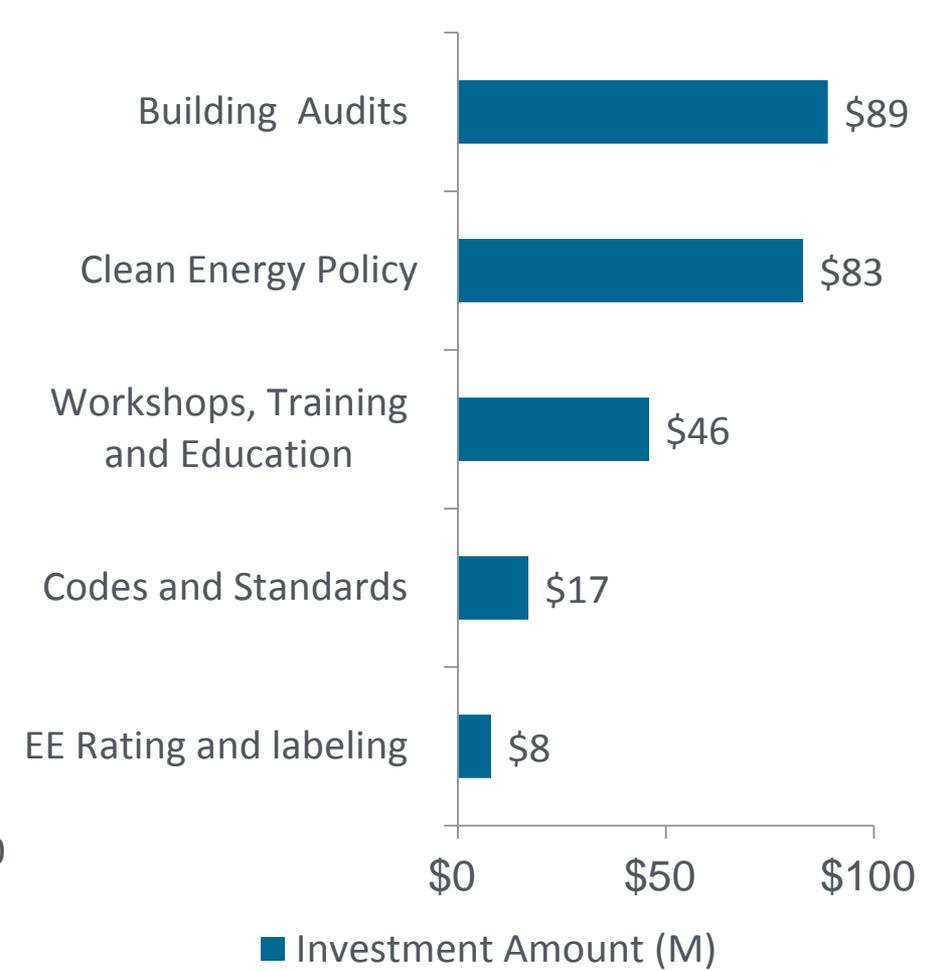


EECBG: Making Investments for Today *and* the Future

Majority of Funds for Capital Equipment Investments with Immediate Benefits



Smaller but Important Investments in Shifting Local Approach to Energy



- Creating jobs in local clean energy – EECBG is the **top 25 job-creating program** on *Recovery.gov*
- **Injecting stimulus into** to communities where over 225 million Americans live and work
- **4,494 direct jobs** last quarter (Jan-Mar 2011)



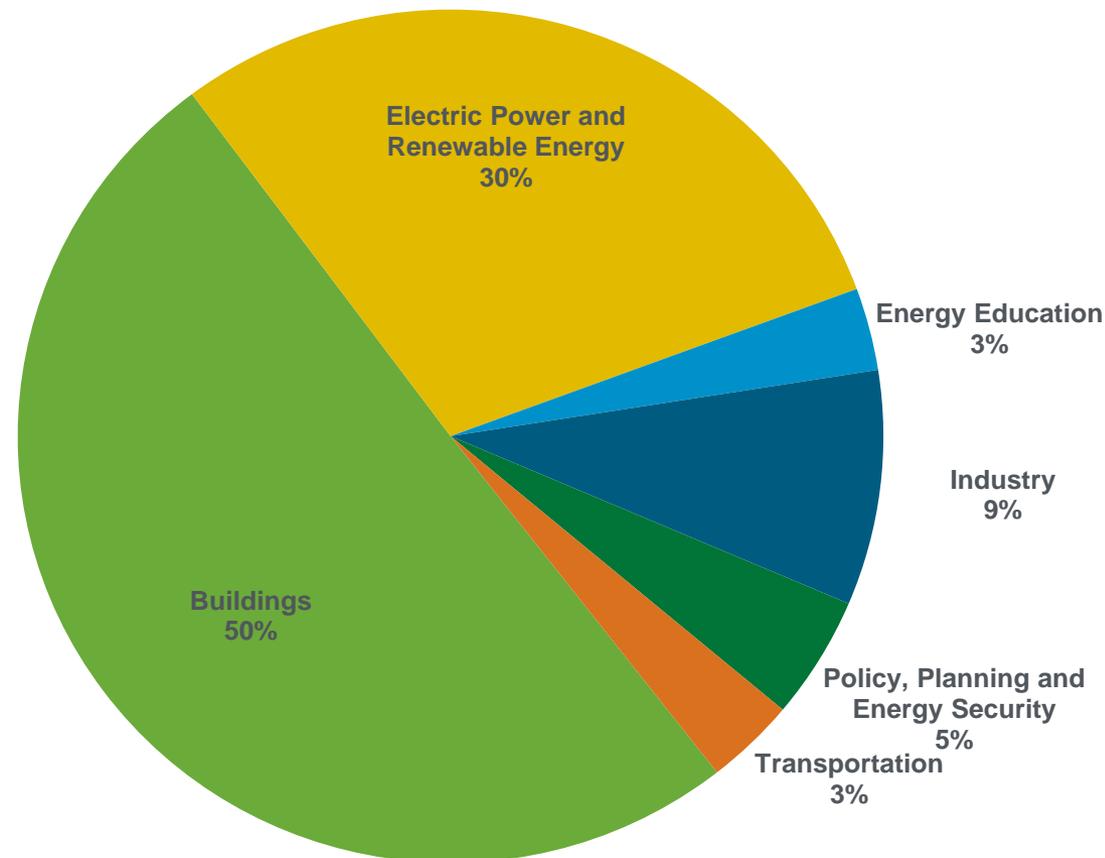
Driving the adoption of energy efficiency by state and local governments:

- Energy upgrades in 17,600 buildings totaling approximately 150 M square feet
- 219,000 energy-efficient streetlights and traffic signals installed
- Nearly 8,000 energy efficient loans and grants valued at approximately \$400M



\$3.1 billion in funding

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

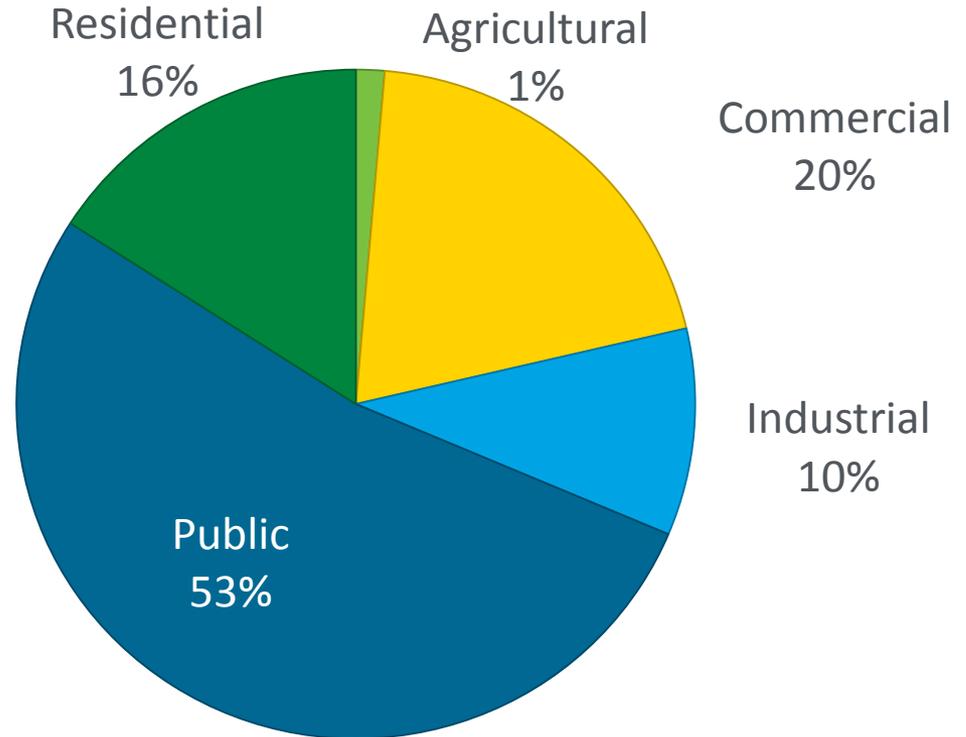


Creating a market for efficiency in the built environment

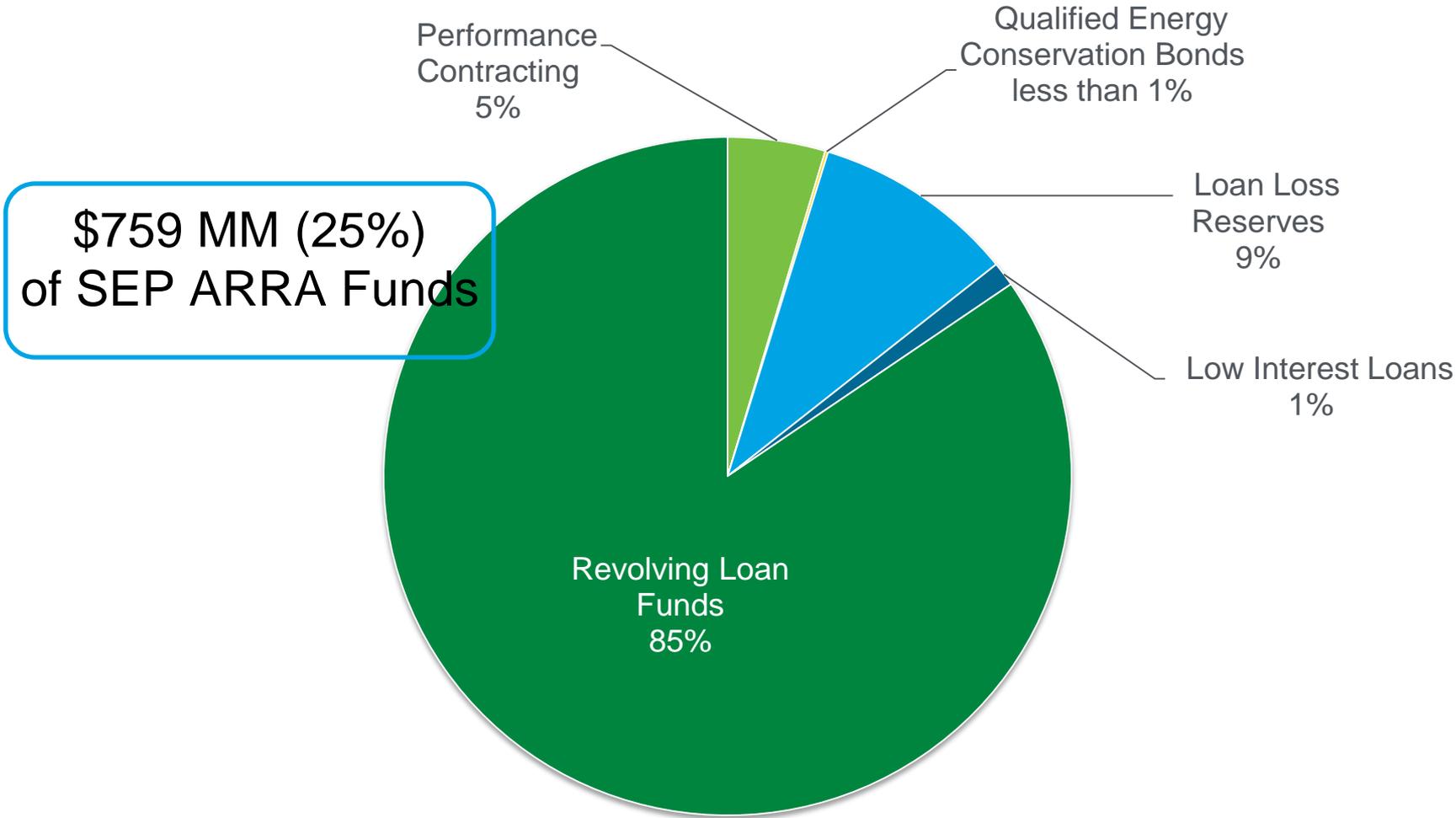
- *Retrofits* are the largest activity within the \$1.5 billion SEP ARRA *buildings* market.
- *Retrofits*, nearly \$1.3 billion of them in total, take place in many economic *sectors* .

Retrofits by sector

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



Financing mechanisms give States the ability to create sustainable programs that can generate energy savings, jobs, and economic development beyond the Recovery Act period.



Selected ARRA achievements through Spring 2011:

- 165 million square feet of building space retrofitted to increase energy efficiency.
- \$290 million in loans made for energy-efficiency and renewable-energy projects.
- 452 MW of solar photovoltaic capacity installed.
- 118,000 Americans trained in energy-efficiency and/or renewable-energy issues.



Advanced Batteries in Wisconsin: ZBB Energy

\$1.3 MM from State Energy Program

Tripling flow battery manufacturing capacity

10 jobs retained, 80 expected to be created



Regional Cooperation in Washington: EV Charging Stations



Coordination of grant applications in the Seattle area

\$90,000 in seed money from King County

Counties and cities working together to ensure regional distribution of charging stations

The largest residential energy efficiency program in the nation, providing weatherization services to low-income families:

- Low-income **households typically spend 14.4% of their total income on energy** vs. 3.3% for other households
- **58 ARRA Grantees** contract with **1,007 local sub-grantees** to deliver services to single-family, multi-family, and mobile homes

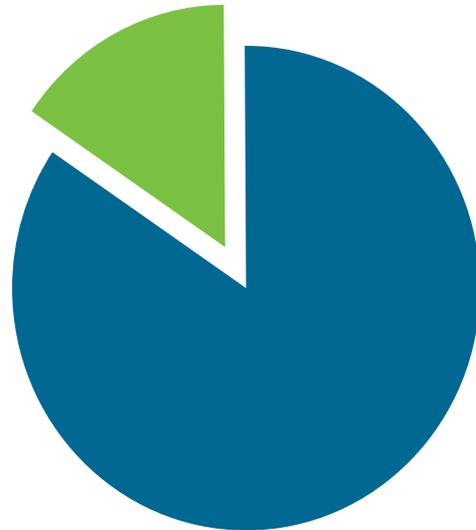
A federally-funded, state-administered, locally-operated grant program:

- WAP received **\$5 billion dollars** under ARRA
- **\$29 million** in ARRA funds to establish **26 new Weatherization Training Centers (WTC)** & supplement 8 existing centers.



*Weatherization
Works*

6.9M Homes
Weatherized



■ Current Eligible
Households

■ Clients Served

38M Eligible

- More than 100,000 homes weatherized *annually* with regularly appropriated DOE funds*
- 275,000 weatherized using ARRA funds in 2010 alone
- Nearly 600,000 will be weatherized during Recovery Act period

Innovative Programs

- **\$30 million** in FY2010 to increase the leverage of Federal funding through partnerships with traditional and/or nontraditional service providers
- **16 selections** include:
 - Financing programs
 - Workforce development and volunteer approaches
 - Green and healthy homes
 - New technologies
 - Behavior interventions



Sustainable Energy Resource For Consumer Grants

- **\$90 million** in grants to 27 states, 100 local agencies
- **Expands funding** for materials, benefits, and renewable and domestic energy technologies not currently covered under WAP including:
 - Solar hot water, solar PV, solar home heat, high-efficiency hot water heating (tank-less heat pump), residential wind, cool roofs, in-home devices, innovative foam insulation

Leveraging and Expanding Partnerships:

- 31 states leverage utility funds each year
- \$140 million - \$210 million leveraged annually since 2005 from private sources
- \$350 million - \$500 million leveraged annually from federal and non-federal sources since 2005 (e.g. LIHEAP funds from HHS)

Training crews and contractors to become part of a broader workforce:

- DOE partnering with HUD, EPA, CDC, & HHS on new *Healthy Homes* initiative - Local crews receiving training in LEAD to look health issues.
- Agencies performing HUD projects and Ag rural housing rehabilitation
- National Residential Retrofit Guidelines:
 - Creating standard work specifications/ assisting training providers in developing consistent course content
 - Increasing workforce mobility: Laying a foundation for worker certification and training program accreditation architecture
 - Building confidence among consumers

WAP

- Desktop, Onsite and Follow-up Reviews
- Based on the value of the grant

SEP

- Minimum two annual visits to each of the 56 SEP Grantees
- Validate records keeping, policies, processes, and sub-recipient monitoring

EECBG

- Project Officers have conducted a total of 533 onsite visits, which is 5% ahead of schedule

Mission

Identify leading grantees, outline best practices and promote the adoption of sustainable models

Best Practices

- Leading by example
- Financing strategies
- Policy/codes/regulations
- Outreach and coalition building

Recognizing themes

- Consumer savings through energy efficiency
- Education and workforce development
- Improvements in public infrastructure
- Supporting small businesses, American manufacturing & retooling
- Saving taxpayer dollars through efficiencies in govt., commercial & residential buildings



Weatherization and Intergovernmental	FY 2011 (\$ million)	FY 2012 Request (\$ million)
Weatherization Assistance Program (WAP)	171.0	320.0
WAP Technical Assistance	3.3	
State Energy Program (SEP) Formula	39.0	63.8
SEP Competitive	5.0	
SEP Technical Assistance	6.0	
Tribal Energy Program (TEP)	7.0	10.0
Total	231.3	393.8



Weatherization and Intergovernmental Program



WAP

SEP

EECBG

