

# Energy Efficiency and Conservation Block Grant

## Performance Metrics

Attachment C

# Metrics and Accountability

DOE intends to append the periodic ARRA – Performance Progress Report to include reporting on the following, at a minimum:

Regular required reporting on five broad metrics:

1. Jobs created and/or retained
2. Energy savings on a per dollar invested basis
3. Renewable energy capacity installed
4. Greenhouse gas emissions reduced
5. Funds leveraged

# Metrics and Accountability

Grant recipients will be presented with reporting requirements at the time they receive funding and will be expected to report their achievements in terms of the specified metrics presented below.

# Metrics and Accountability

Grant recipients will be required to report quarterly on project expenditures, and also on specific activities and achievements.

These items tend to be outputs (actions taken by grant recipients) but also include some short-term outcomes (results achieved relatively soon after project outputs occur that lead toward attainment of ultimate project objectives).

# Metrics and Accountability

## Expenditures

Accurate records should be kept on project expenditures for all EECBG ARRA funded efforts.

- Expenditures for project activities
- Expenditures for administration
- Expenditures for evaluation
- Leveraged funds

# Metrics and Accountability

## Metrics Activity

The key metrics to be reported will vary by project type. The minimum information to be reported, by project activity type, is reported below.

# Metrics and Accountability

## Building Codes and Standards

- Name of new code adopted
- Name of old code replaced
- Number of new/existing buildings covered by new code

# Metrics and Accountability

## Building Retrofits

- Number of buildings retrofitted, by sector
- Square footage of buildings retrofitted, by sector

# Metrics and Accountability

## Clean Energy Policy

- Alternative energy plans developed or improved
- Renewable portfolio standards established or improved
- Interconnection standards established or improved

# Metrics and Accountability

## Building Energy Audits

- Number of audits performed, by sector
- Floor space audited, by sector
- Auditor's projection of energy savings, by sector

# Metrics and Accountability

## Energy Efficiency Rating and Labeling

Types of energy-consuming devices for which energy-efficiency rating and labeling systems were endorsed by the grantee

# Metrics and Accountability

Government, School, Institutional Procurement

Number of units purchased, by type

- Vehicles
- Office equipment
- HVAC equipment
- Streetlights
- Exit signs)

# Metrics and Accountability

## Industrial Retrofit Support

- Number of buildings retrofitted, by Industry Type
- Square footage of buildings retrofitted, by Industry Sector

# Metrics and Accountability

## Loans, Grants, and Incentives

- Number and monetary value of loans given
- Number and monetary value of grants given
- Number and monetary value of incentives provided

# Metrics and Accountability

## Incremental Cost for Efficiency and Design Elements in New Buildings

- Number and square footage of new buildings designed, by sector
- Number and square footage of new buildings constructed, by sector

# Metrics and Accountability

## Renewable Energy Market Development

- Number and size of solar energy systems installed
- Number and size of wind energy systems installed
- Number and size of other renewable energy systems installed

# Metrics and Accountability

## Financial Incentives for Energy Efficiency

- Monetary value of financial incentive provided, by sector
- Total value of investments incentivized, by sector
- Estimated impact of incentives on total investment made

# Metrics and Accountability

## Technical Assistance

Number of information transactions contacts (for example, webinar, site visit, media, fact sheet) in which energy efficiency or renewable energy measure were recommended, by sector

# Metrics and Accountability

## Transportation

- Number of alternative fuel vehicles purchased
- Number of conventional vehicles converted
- Number of new alternative refueling stations

# Metrics and Accountability

## Transportation

- Number of new carpools and vanpools formed
- Number of energy-efficient traffic signals installed
- Number of street lane-miles for which synchronized traffic signals were installed

# M e t r i c s   a n d   A c c o u n t a b i l i t y

## Workshops, Training, and Education

- Number and type of workshops, training, and education sessions held
- Number of people attending workshops, training, and education sessions

# Metrics and Accountability

## Other Activities Not Previously Defined

Pertinent metric information for any activity not defined above should be captured and included as needed

# Metrics and Accountability

## Short-term Outcomes

DOE will provide supplemental guidance on how to calculate these outcomes to ensure consistent approaches that results can be aggregated at a regional, State and national level:

# Metrics and Accountability

## Energy Savings (kwh equivalents)

- Annual reduction in natural gas consumption (mmcf) by sector and end-use category
- Annual reduction in electricity consumption (MWh) by sector and end-use category
- Annual reduction in electricity demand (MW) by sector and end-use category

# Metrics and Accountability

## Energy Savings (kwh equivalents)

- Annual reduction in fuel oil consumption (gallons) by sector and end-use category
- Annual reduction in propane consumption (gallons) by sector and end-use category
- Annual reduction in gasoline and diesel fuel consumption (gallons) by sector and end-use category

# Metrics and Accountability

## Job Creation/Retention

- Number
- Type
- Duration

# Metrics and Accountability

## Renewable Energy Capacity and Generation

- Amount of wind-powered electric generating capacity installed (MW)
- Amount of electricity generated from wind systems (MWh)
- Amount of photovoltaic generating capacity installed (MW)

# Metrics and Accountability

## Renewable Energy Capacity and Generation

- Amount of electricity generated from photovoltaic systems (MWh)
- Amount of electric generating capacity from other renewable sources installed (MW)
- Amount of electricity generated from other renewable sources (MWh)

# Metrics and Accountability

## Emissions Reductions (tons) (CO2 equivalents)

- Methane
- Carbon
- Sulfur dioxide
- Nitrogen oxide
- Carbon monoxide