



EECBG*/EECS @ *Work in the West***

October 2010

***Energy Efficiency & Conservation Block Grant
Energy Efficiency & Conservation Strategy



Parametrix

**Presently, the MOST IMPORTANT
thing
about EECBG is that ...**

It's

UNFUNDED

Want to help get it funded?

(The answer I hope is YES!)

Go to:

www.energyblockgrants.org



Who is from a community that ?

- ... received EECBG ENTITLEMENT funding?
- ... declined entitlement funding?
- ... went after COMPETITIVE funding?
- ... used all or some of their funding to produce a COMPREHENSIVE energy strategy?

EECBG in Idaho

Name	Government Level	Allocation
Idaho	State Energy Office	\$9,593,500
Boise City	City	\$2,039,200
Caldwell	City	\$169,800
Coeur d'Alene	City	\$191,700
Idaho Falls	City	\$539,100
Lewiston	City	\$139,100
Meridian	City	\$608,800
Nampa	City	\$753,800
Pocatello	City	\$533,000
Rexburg	City	\$123,200
Twin Falls	City	\$183,600
Ada	County	\$433,500
Bannock	County	\$102,600
Bingham	County	\$181,200
Bonner	County	\$173,300
Bonneville	County	\$177,100
Canyon	County	\$238,100
Elmore	County	\$122,200
Kootenai	County	\$374,400
Latah	County	\$151,500
Twin Falls	County	\$128,000
Kootenai Tribe of Idaho	Tribal	\$25,000
Nez Perce Tribe, Idaho	Tribal	\$97,200
Shoshone-Bannock Tribe, Idaho	Tribal	\$147,900

Where did EECBG come from?

2007 — US Conference of Mayors sponsored legislation approved by Congress

2007/2008 — Unfunded
((\$250M in 2008 Bush Stimulus got cut)

February 2009 — Funded for 2009-2010
((\$3.2B in Obama Stimulus)

2010 — Prospectively re-funded in Climate Bill
(but no more Climate Bill)

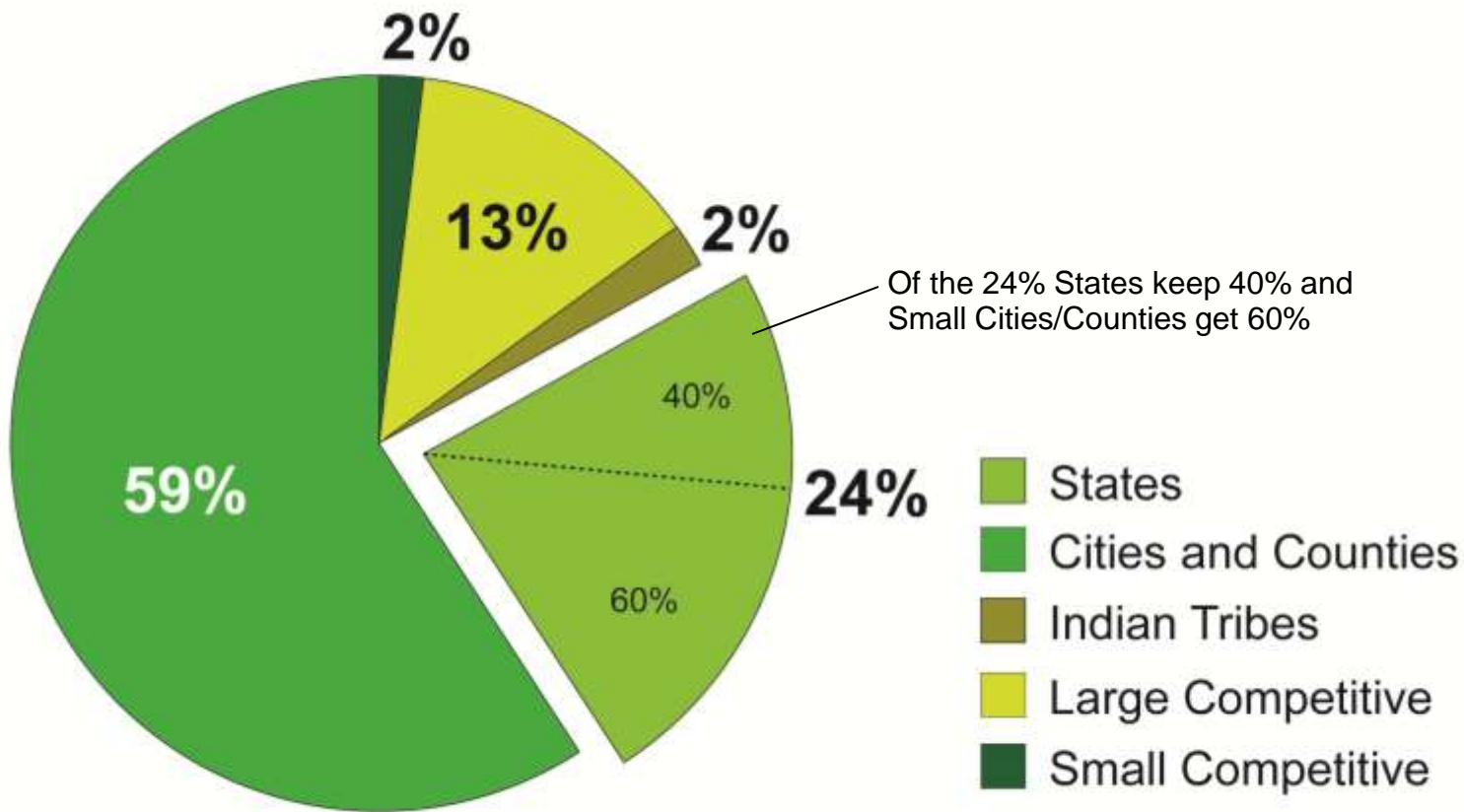
2011 — Unfunded in 2011 President's Budget

What is EECBG supposed to do?

- Enable energy initiatives at the local level
- Support long-range energy planning
- Reduce energy consumption
- Increase energy efficiency
- Reduce GHG emissions
- Promote renewable energy technologies
- Leverage other programs
- Create green jobs & economic development

Who is EECBG for?

- Modeled on the HUD CDBG Program (but without low/mod income benefit goals)
- Cities over 30,000/Counties over 200,000 are “ENTITLED”
- All Federally recognized Tribes are entitled
- All States and Territories are entitled
- “Small” cities and counties can compete for share of State/Territory entitlement
- All entities can compete for a national set-aside



SOURCE: U.S. Department of Energy
Energy Efficiency and Conservation Block Grant Program

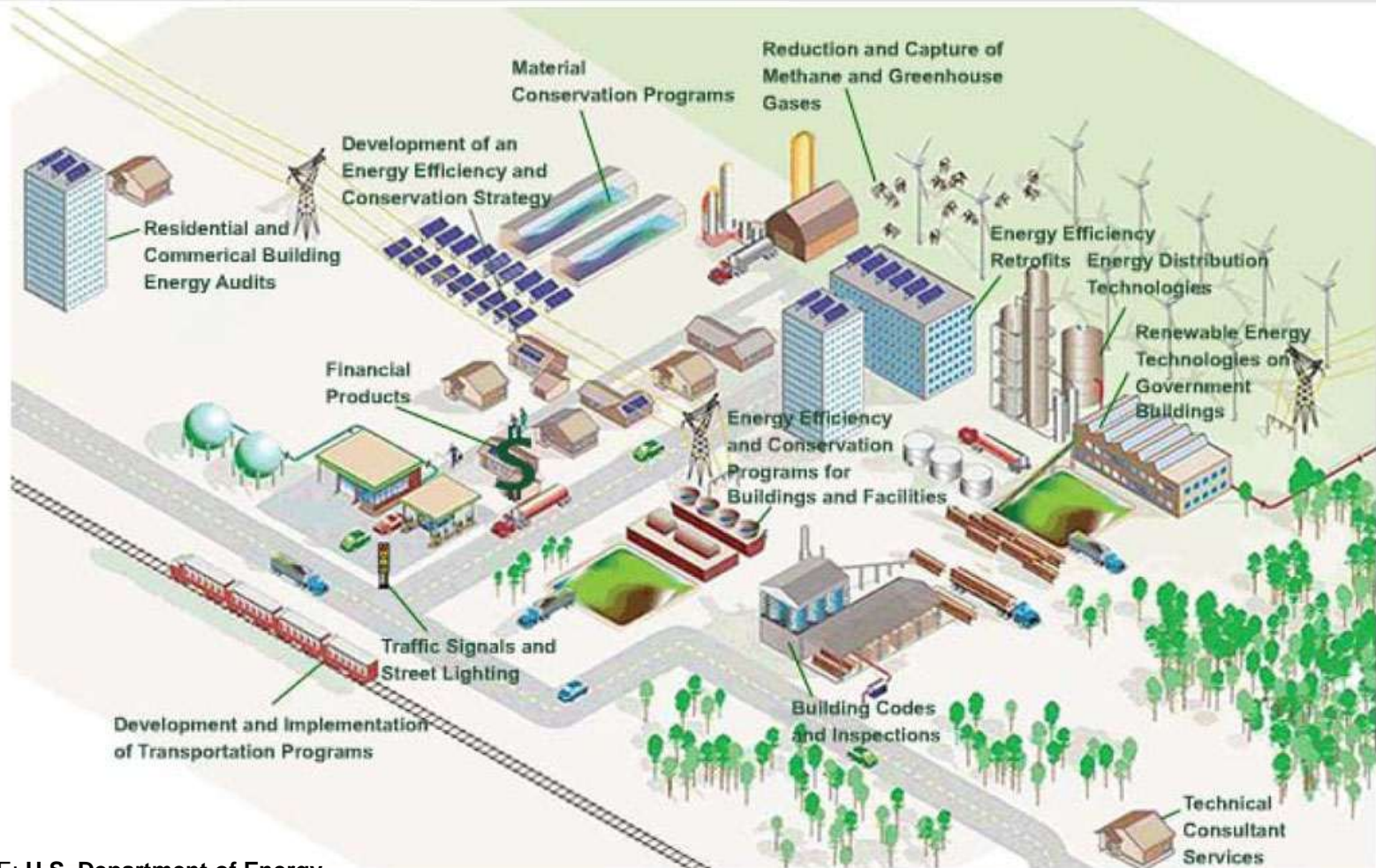
What can EECBG be used for?

- Development of an Energy Efficiency and Conservation Strategy (EECS)
- Residential and Commercial Building Energy Audits
- Financial Incentive Programs for Energy Efficiency Improvements
- Energy Efficiency Retrofits
- Development and Implementation of Transportation Programs that Conserve Energy
- Building Codes and Inspection Services to Promote Energy Efficiency
- Implementation of Distributed Energy Resource Technologies that Increase Energy Efficiency
- Implementation of Activities that Increase Participation and Efficiency for Material Conservation Programs
- Implementation of Technologies to Capture, Reduce, and Re-use Methane and Greenhouse Gases
- Replacement of Traffic Signals and Street Lighting with Energy Efficient Lighting Technologies
- Development of Renewable Energy Technologies
- Additional Energy Initiatives

MOST entities elected to “change the light bulbs”

EECBG
Activities

SEP
Activities



SOURCE: U.S. Department of Energy –
Energy Efficiency and Renewable Energy Solution Center

The EECS

- Energy Efficiency & Conservation Strategy
- Congressional legislation **REQUIRES** an EECS to get full EECBG funding
- US DOE **INVENTED** a “short form” EECS to “get around” this requirement
- Short form was also “re-branded” as scoping document for comprehensive EECS applicants
- If EECBG lives, the “short form” will not suffice forever

What should be in a “long” EECS?

Congress said:

“goals for increased energy efficiency and conservation; plan for use of the grant; take into account other entities and State”

Parametrix used common sense, planning principles, HUD CDBG precedents, legislative language, DOE program guidelines, and the “short form” to craft a more robust template

DOE said:

“shall be comprehensive ...”

The EECS Template

Community Profile

- Overview
- History
- Governance
- Ecology
- Community Boundaries & Demographics
- Land Use
- Economy & Employment
- Housing & Building Infrastructure
- Governmental & Institutional Infrastructure
- Transportation

Energy Profile

- Overview
- Past & Current Energy Initiatives
- Regional Standards
- Energy Resources
- Energy Generation & Transmission
- Energy Consumption
- Transportation
- Greenhouse Gas Generation

EECS Template, Part II

BENCHMARKS

- Goals & Objectives
- Energy Initiatives – Energy Improvement & Program Plan
- Benchmarks
- Funding Strategies
- Integration and Partnerships
- Outreach & Education
- Monitoring

and increases in energy
in energy

Institutional and Commercial Building Energy Audits: Many of the Pueblo's institutional and Pueblo owned commercial buildings are of relatively recent construction and therefore assumed to be weatherized to some degree. Nonetheless, energy efficiency audits of each building would probably reveal several cost-effective conservation measures that could be implemented. The Pueblo's Hollywood Casino has implemented lighting upgrades over the last two years that have significantly reduced electrical power costs.

GOALS: Institutional and commercial energy audits, and subsequent implementation, **supporting new renewable energy jobs and skills.**

Goals #2 to #6 of the EECS, and could provide for Goal #7: Diversifying the Pueblo's economy by

ROLE: The Pueblo has **direct** control of the pace and range of institutional and commercial energy efficiency audits and subsequent upgrades, except for the elementary school and IHS clinic, which would require a **partnership**.

RECOMMENDATIONS:

- Conduct energy efficiency audits of all the Pueblo's institutional buildings. These audits should evaluate lighting, weatherization, and distributed energy resource technologies.
- Cooperate with the elementary school and IHS clinic on audits for these buildings.
- Amend a future version of this EECS to prioritize and program institutional and commercial building energy efficiency upgrades.

IMPLEMENTATION:

- Audit Cost: Approximately twenty (20) institutional buildings totaling 200,000 square feet at audit cost of \$1.00* per square foot = \$200,000
- Timeframe: 2011 - 2013

* Approximate price for an "investment grade" audit that includes extensive on-site inspections and systems evaluation. General audits focus more on energy consumption and building construction records evaluation, and cost \$0.50 per square foot.

What has happened since 2/2009?

- DOE cobbled together forms, rules, processes, deadlines
- DOE in some cases RE-INTERPRETED Congressional direction
- Entities had 4 months to respond (6 week extension granted)
- Most elected to “change the light bulbs”
- Some took a pass
- Some invested in long range planning
- Many were confused
- States put together “re-grant” programs
- DOE issued competitive program
- Many were confused
- Some entities still don’t have their \$\$
- Not all the funds were even asked for
- New appropriations have gone underwater
- BUT ... its ALL WORTH IT! (More on this next!)

So why continue?

- Increasing energy demand is not going away
- “Traditional” energy resources are finite
- Energy costs are not going back to “yesteryear”
- GHG impacts are real
- Energy Planning doesn’t need EECBG
- Local planning/action = local choice
- Federal & state standards = mandates
- Job creation & economic development
- Contain power bills & sustain cleaner air
- Reduce environmental impacts
- Challenges will evaporate with experience

Challenges & Lessons

- No one is fluent in the process
- Misunderstanding is rampant
- Rules and requirements are fluid
- Templates are weak or utterly lacking
- Folks took the path of least resistance
- Energy expertise is very low
- Institutional infrastructure is lacking
- Necessary data is buried
- Mistakes were made
- Certain program elements get short shrift

EECBG Resources

- Support for continuing program
www.energyblockgrants.org
- The current program
www1.eere.energy.gov/wip/eeecbg
- Renewable feasibility in your community
www.nrel.gov
- Another template
www.cnt.org/repository/CHICAGOEECGUIDE4POST.pdf