

## **Using EPA Resources to Maximize Clean Energy Opportunities in Recovery Funding**

The webcast will begin in a few minutes. You will hear background music until the webcast begins.

# Webcast Agenda

---

- Introduction and Overview, US EPA, Andrea Denny
- Overview of EPA Resources to Support Clean Energy Investments, US EPA, Andrea Denny and Neelam R. Patel
- Energy Efficiency and Conservation Block Grants, US DOE
  - Mark Bailey, Dan Beckley and Johanna Zetterberg
  - Q&A on Block Grants
- Clean Energy Opportunities in Water Treatment
  - Clean Water Revolving Fund, US EPA, Stephanie vonFeck
  - Drinking Water Revolving Fund, US EPA, Howard Rubin
  - Energy Star for Water Treatment Plants, US EPA, Caterina Hatcher
- Q and A Session with Federal Officials

# Participating Federal Staff for Q&A



- **US EPA Clean Energy Program Staff**
  - Andrea Denny and Neelam R. Patel, Local Climate and Energy Program
- **US EPA ENERGY STAR Staff**
  - Leslie Cook and Caterina Hatcher, ENERGY STAR Public Sector
  - Brian Ng, ENERGY STAR Affordable Housing
  - Jason Turgeon, Region 1, ENERGY STAR in Water Treatment
- **US EPA Water Office Staff**
  - Howard Rubin, Drinking Water Revolving Fund
  - Stephanie vonFeck, Clean Water Revolving Fund
- **Additional EPA Staff**
  - Jennifer Keller, Office of Transportation & Air Quality, Clean Diesel Program
  - Victoria Ludwig, Landfill Methane Outreach Program

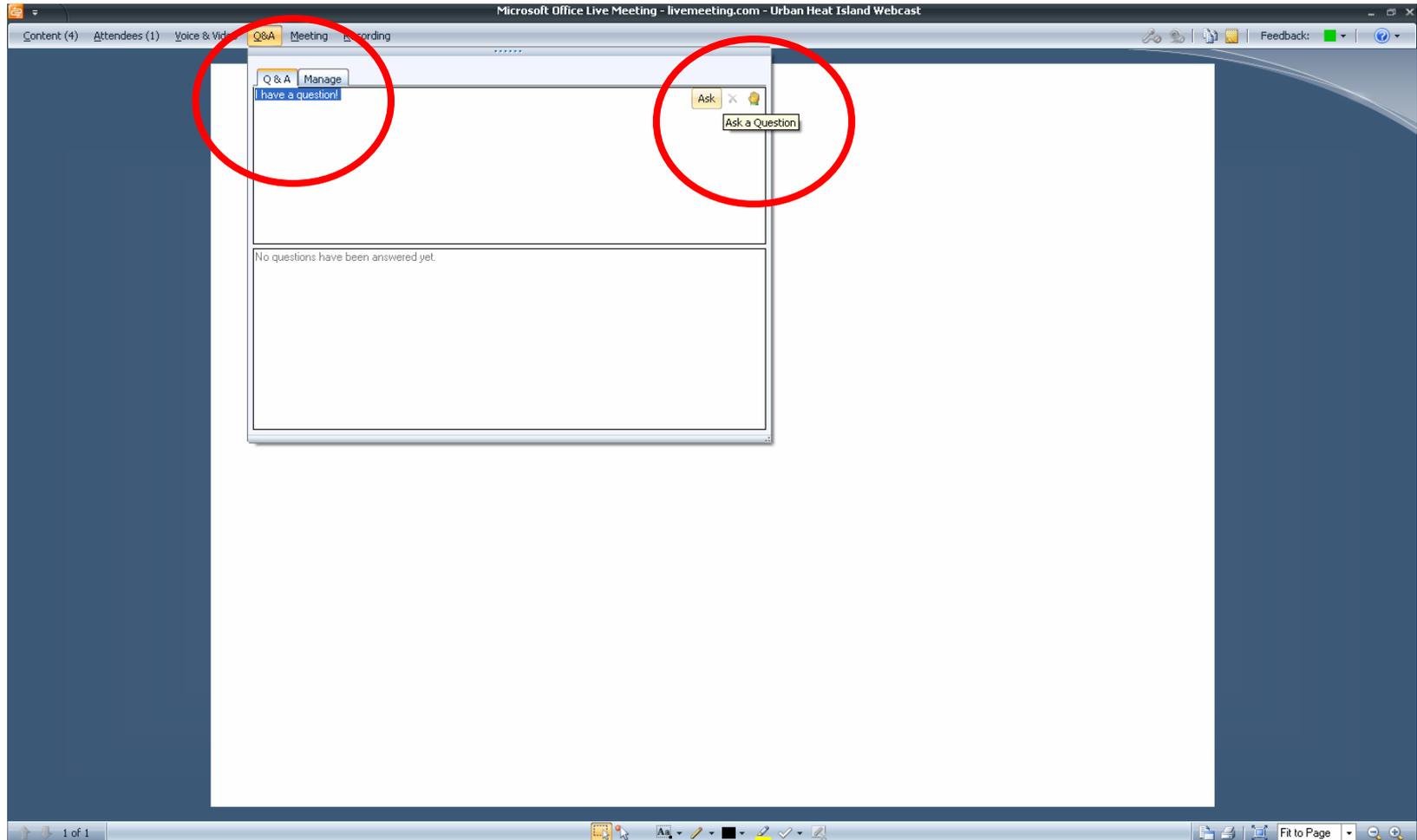
# Live Meeting Logistics



- You will be muted throughout this webcast to minimize background noise. You'll be able to submit questions and comments in writing.
- Press F5 to show the presentation full screen, and F5 to return to the Live Meeting console
- Today's session will be recorded and will be made available for download in a few weeks at:  
<http://epa.gov/cleanenergy/energy-programs/state-and-local/webcast.html>
- Throughout the webcast, if you have problems, please contact Nikhil Nadkarni at  
NNadkarni@icfi.com OR 202-862-1145

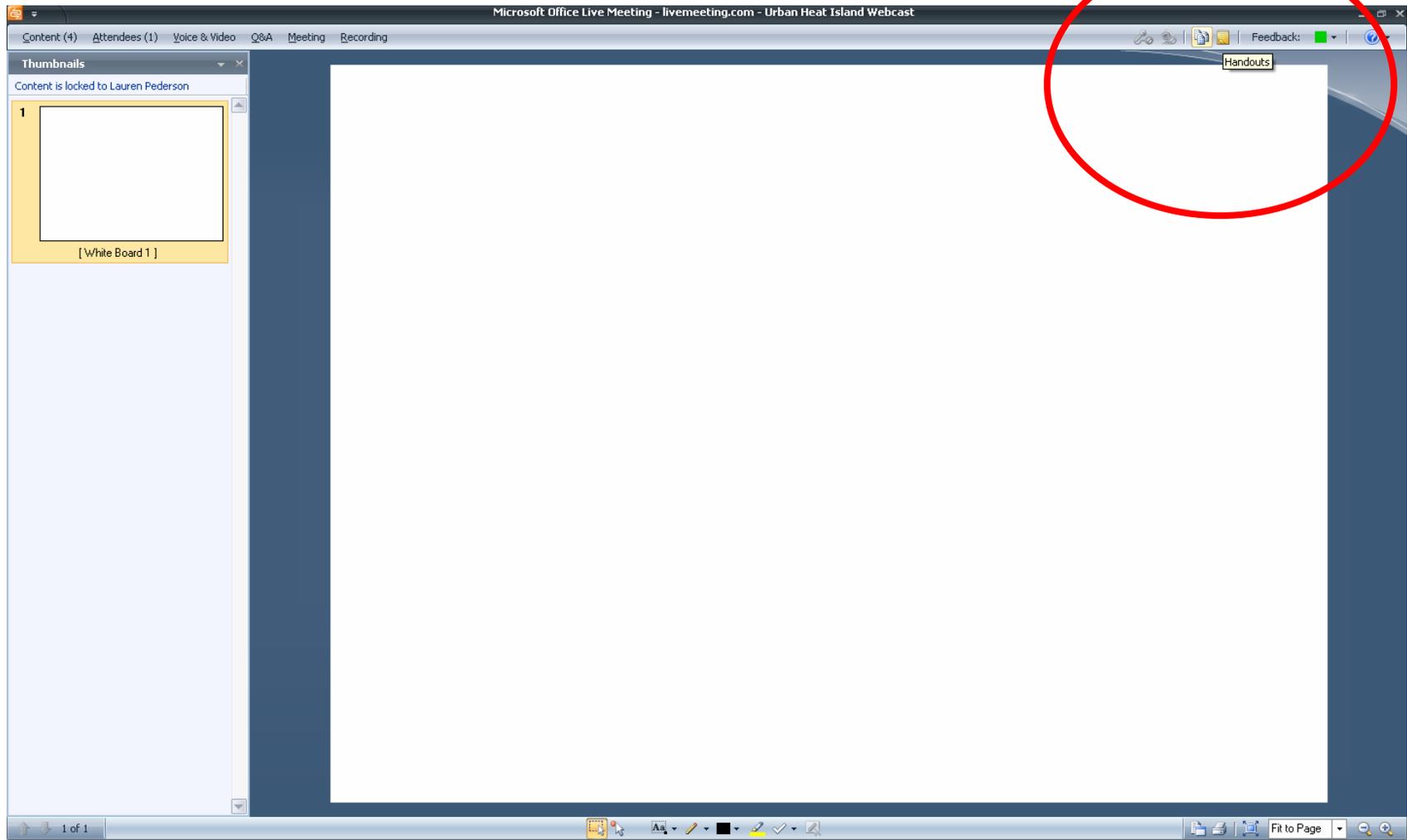
# Asking Questions

To ask a question, submit it using the question manager. You can submit questions at any time. Questions will be compiled and answered during the Q&A session at the end of the call.



# Download Handouts

Presentations and Handouts can be downloaded during the call by selecting “content” and “handouts.” All materials will also be available on our website within 2 weeks.



# Local Climate and Energy Program

---



## Informational and Peer Exchange Network

- Advance comprehensive climate and clean energy approaches in local governments and their communities
- Focus on established, cost-effective best practices
- Serve as a gateway to existing resources and programs
- Develop new tools, resources, and guidance
- Facilitate peer to peer exchange
- Showcase success stories

<http://epa.gov/cleanenergy/energy-programs/state-and-local/local.html>

# Local Clean Energy Strategies Guide



- Covers 15 strategies in 4 areas
  - Energy Efficiency, Energy Supply, Transportation, and Urban Planning and Design
  - For each strategy, outlines: benefits, measures, key participants, mechanisms for implementation, costs, funding, interaction with federal, regional, and state programs, case studies, and resources/references
- Six chapters currently available
  - Energy Efficiency in Affordable Housing
  - Energy Efficient Product Procurement
  - Combined Heat and Power
  - Green Power Procurement
  - On-site Renewables
  - Landfill Gas to Energy
- Additional Chapters Expected This Month
  - Energy Efficiency in Municipal Operations
  - Energy Efficiency in K-12 Schools
  - Efficient Fleets

<http://www.epa.gov/cleanenergy/energy-programs/state-and-local/local-best-practices.html>

# Webcasts and Training



- ENERGY STAR Webcast, March 12, 1:00-2:30 pm EST
  - Make the Most of Your Energy Efficiency Stimulus Funding - Plan, Monitor, and Report Results with ENERGY STAR Tools
  - To register, visit <https://energystar.webex.com/energystar>
- Local Climate and Energy Webcast Series
  - Held monthly, announced via our listserv and website
  - Each call features local government case studies and speakers
  - Upcoming Topics:
    - Efficiency in Affordable Housing
    - Energy Efficiency for Municipal Facilities
    - Energy Efficiency for K-12 Schools
    - Combined Heat and Power
    - Smart Growth
  - View past webcasts at: <http://www.epa.gov/cleanenergy/energy-programs/state-and-local/webcast.html>
- Additional Webcast Opportunities
  - ENERGY STAR Training Center <http://energystar.gov/training>
  - State Climate and Energy Technical Forum  
<http://epa.gov/cleanenergy/energy-programs/state-and-local/state-forum.html>

# Climate and Energy Contacts

---



**Andrea Denny**

[denny.andrea@epa.gov](mailto:denny.andrea@epa.gov)

**202-343-9268**

**Neelam R. Patel**

[patel.neelam-r@epa.gov](mailto:patel.neelam-r@epa.gov)

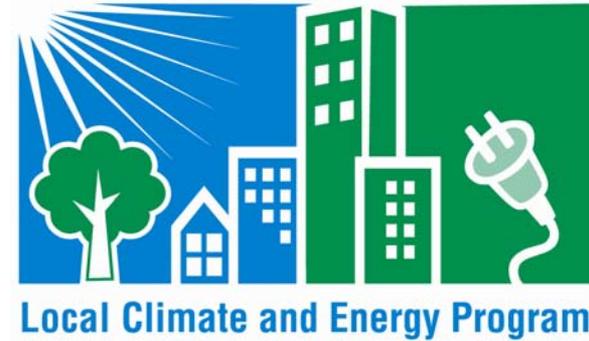
**202-343-9384**

**Main Website:**

**<http://epa.gov/cleanenergy/energy-programs/state-and-local/local.html>**

**State and Local Climate and Energy Listserv:**

**[www.epa.gov/cleanenergy/energy-programs/state-and-local/listserv.html](http://www.epa.gov/cleanenergy/energy-programs/state-and-local/listserv.html)**



# Using EPA Resources to Maximize Clean Energy Opportunities in Recovery Funding

# Outline of Clean E Opportunities in ARRA

---



- General ARRA 2009 Resources
- Green Jobs
- Affordable Housing
- Schools
- Transportation
- Energy in Water Treatment
- Energy

# General Resources



- Information on the American Recovery and Reinvestment Act's (ARRA) purpose, funding details, and costs as well as the text of the bill are available at: <http://www.recovery.gov>

- Federal Agency Recovery Websites

- US EPA <http://www.epa.gov/recovery/>
- DOE <http://www.energy.gov/recovery>
- US HUD <http://www.hud.gov/recovery/>
- Education <http://www.ed.gov/recovery/>
- Labor <http://www.dol.gov/recovery/>
- DOT <http://www.dot.gov/recovery/>
- USDA <http://www.usda.gov/recovery>



- *American Recovery and Reinvestment Act of 2009: A Guide to Renewable Energy and Energy Efficiency Opportunities for Local and Tribal Governments*

<http://www.epa.gov/cleanenergy/energy-programs/state-and-local/webcast.html>

# Green Job Funding and Resources



- Workforce Investment Act (WIA)
  - Funds a number of different workforce development programs, some funding may cover green job related training
  - Labor, \$3.95 billion
- Training for Careers in Energy Efficiency and Renewable Energy
  - Funding for research, labor exchange, and job training projects that prepare workers for careers in energy efficiency and renewable energy, as described in the 2007 Green Jobs Amendment to the WIA.
  - Sets aside \$500 million of WIA funds for Green Jobs
- EPA Resources
  - State Technical Forum resources include a background paper, resource list, and case studies of state and local green job programs.  
<http://www.epa.gov/cleanenergy/energy-programs/state-and-local/state-forum.html#twoa>



# Affordable Housing--Funding



- Weatherization Assistance Program
  - Funding to improve efficiency of low-income homes
  - DOE, \$5 billion
- Public Housing Capital Fund
  - Funding to public housing agencies for modernization and development
  - HUD, \$4 billion, \$1 billion set-aside for energy efficiency
- Native American Housing Block Grant
  - Funding to tribal housing agencies for modernization and development
  - HUD, \$510 million, modernization and rehab must be efficient
- Assisted Housing Stability and Energy and Green Retrofit Investments
  - Funding for Section 8 housing, including modernization and renovation
  - HUD, \$2.25 billion, \$250 million set aside for energy efficiency
- HOME Investment Partnerships Program
  - Funding for a variety of housing related activity, including energy efficiency
  - HUD, \$2.25 billion, 60% for qualified local governments



# Affordable Housing—Key Resources



- ENERGY STAR for Affordable Housing
  - Offers affordable housing stakeholders proven solutions to cost-effectively increase energy efficiency for low-income households.
  - Targets: Housing finance agencies, state and local governments, public housing authorities, asset management companies, architects, builders, developers, and building owners
  - Resources Include: Tools, Case Studies, Outreach Materials, Construction Guidelines, Appliance and Product Information
  - [http://www.energystar.gov/index.cfm?c=bldrs\\_lenders\\_raters.pt\\_affordable\\_housing](http://www.energystar.gov/index.cfm?c=bldrs_lenders_raters.pt_affordable_housing)
- Local Government Climate and Energy Program Resources
  - Clean Energy Strategies Guide on Energy Efficiency in Affordable Housing  
[http://epa.gov/cleanenergy/documents/Section\\_6.2\\_AffHousing.pdf](http://epa.gov/cleanenergy/documents/Section_6.2_AffHousing.pdf)
  - Efficiency in Affordable Housing Webcast—April 2009



# Schools-Funding



- Higher Education Modernization, Renovation, and Repair
  - Funding for State Fiscal Stabilization Funds, a portion of which may be used for modernization, renovation, or repair of public school facilities and institutions of higher education facilities
  - Ed, \$53.6 billion, a portion may be used for energy efficiency
- Tax Credits and Bonds
  - School Construction Tax Credits
    - up to \$22 billion for the construction, rehabilitation, or repair of a public school facility, or for the acquisition of land for facility construction
    - Tribal schools receive an additional \$400 million
  - Increased Funding for Qualified Zone Academy Bonds (QZAB)
    - program is increased by \$2.8 billion
    - QZABs must be used for rehabilitating or repairing public school facilities, or investing in new equipment and technology
  - Impact Aid
    - \$100 million for construction grants to ["Impact Aid"](#) school districts (generally, those serving students from government installations or Indian tribes).



# Schools—Key EPA Resources



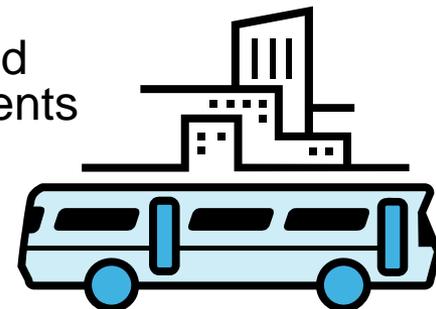
- ENERGY STAR for K-12 Schools
  - Partnering with ENERGY STAR is a commitment to students as well as to the environment.
  - Resources Include: Tools, Case Studies, Outreach Materials, Design and Management Guidelines, Appliance and Product Information, and Educational Materials
  - <http://www.energystar.gov/schools>
- Additional Resources
  - Local Climate and Energy Program Guide on Energy Efficiency in K-12 Schools, coming soon  
<http://www.epa.gov/cleanenergy/energy-programs/state-and-local/local-best-practices.html>
  - Smartgrowth Office Resources on Schools  
<http://epa.gov/smartgrowth/publications.htm#schools>



# Transportation--Funding



- Diesel Emission Reduction Act Grants
  - Funding for regional, state, local, and tribal governments to reduce emissions from burning diesel fuel
  - EPA, \$300 million in grants and loans
- Alternative Fuel Vehicles Pilot Grant Program (Clean Cities)
  - funding to acquire alternative fuel vehicles, fuel cell vehicles, hybrid vehicles, and to develop the refueling infrastructure
  - DOE, \$300 million
- Transit Capital Assistance
  - Funding to transit agencies for capital investments
  - DOT-FTA, \$6.9 billion or general transit assistance, \$100 million to reduce energy consumption or greenhouse gases
- Supplementary Discretionary Grants for a National Surface Transportation System
  - Discretionary funding for state and local governments and transit agencies, can be used for transit and rail investments
  - DOT, \$1.5 billion



# Transportation—EPA Resources



- National Clean Diesel Campaign
  - Promotes diesel emissions reduction strategies to improve air quality and public health <http://www.epa.gov/cleandiesel/>
  - The State and Local Clean Diesel Toolkit provides an array of tools and resources for designing, funding and evaluating programs that reduce diesel engine emissions <http://www.epa.gov/otaq/diesel/slt/basicinfo.htm>
  - A special Recovery Act web site for the National Clean Diesel Campaign is available. <http://www.epa.gov/otaq/eparecovery/index.htm>
  - The Diesel Emission Quantifier (DEQ) helps estimate cost effectiveness and environmental impact of emission reduction technologies <http://cfpub.epa.gov/quantifier/>
- Office of Transportation and Air Quality (OTAQ)
  - The OTAQ website contains information on energy use and emissions associated with different fuels and technologies. <http://www.epa.gov/otaq/>
  - OTAQ's State and Local Resources site offers tools and information tailored to the needs of local governments. <http://www.epa.gov/otaq/stateresources>
- Climate and Energy Program
  - Strategy Guide on Efficient Fleets, *coming soon* <http://www.epa.gov/cleanenergy/energy-programs/state-and-local/local-best-practices.html>

# Energy in Water Treatment-Funding



- Clean Water State Revolving Fund
  - Funds water quality protection programs for wastewater treatment, nonpoint source pollution control, and watershed and estuary management through state administered low-interest loans
  - EPA, \$4 billion, 20% for green projects including energy
- Drinking Water State Revolving Fund
  - Makes funds available to drinking water systems to finance infrastructure improvements to ensure the provision of safe drinking water
  - EPA, \$2 billion, 20% for green projects including energy
- Rural Water and Waste Disposal Program Account
  - Funds the construction or renovation of rural water facilities or rural waste disposal facilities
  - USDA, \$1.38 billion



# Energy in Water Treatment-Resources



- US EPA Office of Water
  - Clean Water State Revolving Fund  
<http://www.epa.gov/owm/cwfinance/cwsrf/index.htm>
  - Drinking Water State Revolving Fund  
<http://www.epa.gov/safewater/dwsrf/index.html>
- ENERGY STAR for Water and Wastewater Utilities
  - Offers tools and resources to help eliminate energy waste and lower operating costs of water and wastewater utilities.
  - [http://www.energystar.gov/index.cfm?c=water.wastewater\\_drinking\\_water](http://www.energystar.gov/index.cfm?c=water.wastewater_drinking_water)
- Green Projects Resources
  - Green Infrastructure [http://cfpub.epa.gov/npdes/home.cfm?program\\_id=298](http://cfpub.epa.gov/npdes/home.cfm?program_id=298)
  - Water Efficiency <http://www.epa.gov/watersense/>
  - Heat Island Program <http://www.epa.gov/heatisland>
  - Combined Heat and Power <http://www.epa.gov/chp/markets/wastewater.html>



# Energy-Funding



- Energy Efficiency and Conservation Block Grants
  - Funding to help eligible entities reduce fossil fuel emissions, reduce their total energy use, and improve energy efficiency in the transportation, building, and other sectors.
  - DOE, \$2.8 billion in formula grants, \$400 million in competitive grants
- State Energy Program
  - Funding for states to run state-wide energy programs such as building retrofits, programs that incent efficiency for utilities, adoption and enforcement of energy efficient building codes, and transportation measures.
  - DOE, \$3.4 billion
- Rural Community Facilities Program Account
  - Funding to construct, enlarge or improve community facilities for health care, public safety and public services.
  - USDA, \$130 million



# Energy-Funding



- Clean Renewable Energy Bonds
  - Tax credit bonds used to fund capital expenditures incurred on one or more qualified renewable energy facilities including wind, geothermal, hydropower, landfill gas, waste-to-energy, and bio-energy
  - ARRA authorizes an additional \$1.6 billion of new CREBs, to be allocated 1/3 to state, local, and tribal governments, 1/3 to public power providers, and 1/3 to electric cooperatives.
- Energy Conservation Bonds
  - Tax credit bonds for qualified conservation purposes including a wide range of capital expenditures (e.g. reducing energy use in publicly-owned buildings, implementing green community programs, and developing rural renewable energy resources) and public education campaigns
  - ARRA authorizes an additional \$2.4 billion in bonds
- Renewable Energy Production or Investment Tax Credits
  - Entities may choose between a 1.9-cent per kilowatt-hour (kWh) benefit for the first ten years of operation or a 30% investment credit

# Energy-Key Resources



- Local Climate and Energy Program  
<http://epa.gov/cleanenergy/energy-programs/state-and-local/local.html>
- ENERGY STAR for local governments  
[http://www.energystar.gov/index.cfm?c=government.bus\\_government\\_local](http://www.energystar.gov/index.cfm?c=government.bus_government_local)
- Combined Heat and Power <http://epa.gov/chp/>
- Green Power Partnership <http://www.epa.gov/greenpower>
- Landfill Methane Outreach Program <http://epa.gov/lmop/>
- Smartgrowth Program <http://epa.gov/smartgrowth>
- Heat Island Program <http://epa.gov/heatisland/>
- Office of Transportation and Air Quality  
<http://www.epa.gov/otaq/>
- Climate and Energy Lead By Example Guide *coming soon*

