



## North Carolina Department of Administration State Energy Office

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DATE: June 26, 2009  
RELEASE: Immediate

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### **FACT SHEET**

#### **NORTH CAROLINA ENERGY EFFICIENCY AND CONSERVATION GRANT PLAN**

The North Carolina State Energy Office has sent the U.S. Energy Department a proposal to invest \$20.9 million in federal Energy Efficiency and Conservation Block Grants. The grants are funded through the federal American Recovery and Reinvestment Act. The total funding for North Carolina is \$58.3 million in this program. Thirty-one cities, counties and the Cherokee Indians are receiving a total of \$37.4 million in grants for energy efficiency and conservation directly from the U.S. Energy Department. (A list of those designated cities and counties, and how much they are to receive, follows at the bottom of this fact sheet.) The state plan provides funds, through a competitive proposal process, to those non-designated agencies and communities, including public school systems and community colleges that are not receiving funding directly from the federal government. It is estimated that the \$20.9 million in grants will save or create at least 300 jobs while saving or generating more than 93.1 million Kilowatt Hours of power – enough power to serve the residential needs of a community of more than 31,000 for a year.

North Carolina is focusing on four areas for use of the federal Energy Efficiency and Conservation Block Grants funds:

1. Energy efficiency and renewable energy for buildings.
2. Technical assistance.
3. Energy conservation programs in transportation.
4. Implementation of methane and greenhouse gas technologies.

Sixty percent of the \$20.9 million will be distributed competitively in subgrants to “non-entitlement” (non-designated) cities and counties through a competitive process for each of the four areas. Thirty-four percent will also be distributed competitively to public school districts, community colleges and other local public authorities in the energy efficiency and renewable energy for buildings focus area. Six percent of the funds have been allocated for administrative expenses.

The following is a summary of the North Carolina Energy Efficiency and Conservation Block Grants proposal:

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**American Recovery and Reinvestment Act**  
**Energy Efficiency and Conservation Block Grants -- \$20,925,300**

**Energy efficiency and renewable energy for buildings**

**“Non-entitlement” cities and counties:**

The state will provide local governments subgrants to implement energy efficiency measures and renewable system installations in their communities. All building types --- governmental, residential, nonprofit, retail, commercial and industrial --- will be eligible to participate. The state will issue competitive solicitations (requests for proposals) for the 90 counties and 526 municipalities that will not receive direct entitlements, but are eligible to receive assistance under this program (*a list of “entitlement” or designated cities follows*). Funding areas include: Retrofit existing facilities to improve energy efficiency; Design and operation of energy efficiency and conservation programs for buildings and facilities within the jurisdiction of the entity; Identification of the most effective methods for achieving maximum participation and efficiency rates; Public education; Measurement and verification protocols; Identification of energy efficient technologies; Development, implementation and installation of renewable energy technologies on or in any eligible entity; and Onsite renewable energy technology that generates electricity from renewable resources including solar energy, wind energy, fuel cells and biomass.

**\$7,150,000**

**Public school districts, community colleges and other local public authorities:**

The state will provide community colleges, public schools and other local public authorities subgrants to implement energy efficiency measures and renewable energy system installations in their facilities. The state will issue competitive solicitations (request for proposals) for the 58 community colleges and 115 public school districts eligible to receive assistance under this program. Funding areas include: Retrofit existing facilities to improve energy efficiency; Design and operation of energy efficiency and conservation programs for buildings and facilities within the jurisdiction of the entity; Identification of the most effective methods for achieving maximum participation and efficiency rates; Public education; Measurement and verification protocols; Identification of energy efficient technologies; development, implementation and installation of renewable energy technologies on or in any eligible entity; and Onsite renewable energy technology that generates electricity from renewable resources, including solar energy, wind energy, fuel cells and biomass. **\$6,293,891**

**Technical assistance**

The state will provide local governments technical assistance in the form of preliminary energy surveys, identification of potential projects and creation of a strategic energy plan. The state will issue competitive solicitations (requests for proposals) for the 90 counties and 526 municipalities that will not receive direct entitlements. These entities will be eligible to receive technical assistance funds for activities, including: Preliminary energy surveys where the state will provide the local government unit a consultant to perform walk through audits identifying potential energy efficiency or renewable energy projects; Development of energy efficiency and conservation strategies or strategic energy plans, utilizing information obtained from the walk through audits; and Grant writing assistance for creating a response to general solicitations for projects using Energy Efficiency and Conservation Block Grant funds. **\$450,000**

**Energy conservation programs in transportation**

The state will issue competitive grants for the development and implementation of programs to conserve energy used in transportation. Eligible projects include the following: Synchronization of traffic signals; State/local/regional integrated planning activities with the goal of reducing greenhouse gas emissions and vehicle miles traveled; Incentive programs to reduce commutes by single occupancy vehicles; Improvements in operational and system efficiency of the transportation system such as implementation of intelligent transportation system strategies; Idle-reduction technologies and/or facilities to conserve energy, Reduce harmful air pollutants and greenhouse gas emissions from freight movement; Installation of solar panels on interstate rights-of-way to conserve energy in highway operations and maintenance activities; refueling infrastructure for biofuels (ethanol E85 and biodiesel, B20-B100); purchase of alternative fuel and advanced technology vehicles; and Replacement of traffic signals and street lighting with energy efficiency lighting technologies, including light emitting diodes. **\$2,500,000**

**Implementation of methane and greenhouse gas technologies**

The state will work with non-entitlement cities and counties to purchase and implement projects which reduce and capture methane and greenhouse gases for the purpose of generating electricity or providing the gas for use as an energy fuel source. Projects will utilize methane and other greenhouse gases generated by landfills or similar waste related sources, such as wastewater treatment plants, operations producing food waste dairy farms and other animal operations. A competitive solicitation will be issued by the state for these type projects. **\$2,500,000**

## Project selection and evaluation criteria

- Jobs Created
- Energy Saved
- Renewable Energy Generated
- Greenhouse Gas Emissions Reduced
- Funds Leveraged
- Strategic Energy Plan Completed
- Project Sustainability
- Project Timetable
- Project Reporting and Monitoring
- Project Costs
- Projects in Economically Distressed Regions
- Aggregated regional proposals

## ENERGY EFFICIENCY BLOCK GRANTS FOR DESIGNATED CITIES AND COUNTIES

Federal Recovery Act Energy Efficiency and Conservation Block Grant funds will be distributed directly to designated North Carolina cities, counties and tribes as follows:

Asheville	\$804,700	Raleigh	\$3,820,400
Burlington	\$223,900	Rocky Mount	\$572,100
Cary	\$1,166,800	Wilmington	\$1,039,900
Chapel Hill	\$554,900	Wilson	\$214,900
Charlotte	\$6,780,100	Winston-Salem	\$2,262,000
Concord	\$638,800	<b>Buncombe</b>	<b>\$624,800</b>
Durham	\$2,173,600	<b>Cumberland</b>	<b>\$590,700</b>
Fayetteville	\$1,652,900	<b>Davidson</b>	<b>\$631,100</b>
Gastonia	\$705,700	<b>Gaston</b>	<b>\$525,600</b>
Goldsboro	\$183,600	<b>Iredell</b>	<b>\$645,100</b>
Greensboro	\$2,554,900	<b>Johnston</b>	<b>\$636,200</b>
Greenville	\$777,600	<b>Mecklenburg</b>	<b>\$649,500</b>
Hickory	\$209,300	<b>Randolph</b>	<b>\$578,200</b>
High Point	\$998,600	<b>Union</b>	<b>\$751,800</b>
Huntersville	\$175,100	<b>Wake</b>	<b>\$3,030,300</b>
Jacksonville	\$781,600		
Kannapolis	\$170,300	<b>Cherokee Indians</b>	<b>\$253,100</b>

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