

BEVERLY EAVES PERDUE  
GOVERNOR



**STATE OF NORTH CAROLINA  
OFFICE OF THE GOVERNOR**  
20301 MAIL SERVICE CENTER • RALEIGH, NC 27699-0301

**November 18, 2009**  
**Contact: Chrissy Pearson**  
**Cell: (919) 215-4669**  
**Office: (919) 733-0767**

**PERDUE ANNOUNCES INVESTMENTS IN GREEN ECONOMY; PUTS MORE  
FEDERAL RECOVERY DOLLARS TO WORK IN NORTH CAROLINA**

**RALEIGH** – Gov. Bev Perdue today announced that 18 small North Carolina companies will receive grants up to \$100,000 to develop and market promising green and alternative energy technologies and products. It is the third round of grants distributed by the state Department of Commerce’s Green Business Fund and puts more than \$1 million in federal Recovery Act dollars to work in North Carolina.

“North Carolina continues to position itself as a leader in the emerging green economy with these kinds of smart investments in promising technologies and products,” said Gov. Perdue. “These creative entrepreneurs and businesses are turning green into gold by growing new companies and creating jobs.”

It is estimated that more than 200 private sector jobs will be created as a result of the grants, spread across 18 cities and spanning 18 counties in North Carolina. The federal Recovery dollars come through the N.C. Energy Office’s State Energy Program.

Two years ago, the General Assembly provided \$1 million each in 2008 and 2009 for the Green Business Fund and grants were awarded to 27 firms. In the most recently approved state budget, Gov. Perdue, who initially proposed creation of the fund, had \$10 million in federal Recovery

Act funds directed to significantly enlarge the Green Business Fund. The Green Business Fund is administered by the state Board of Science and Technology in the N.C. Department of Commerce.

The grants announced today were based on successful applications that also met the American Recovery and Reinvestment Act criteria. They were reviewed on a merit basis by an external advisory committee.

About half the projects fell under the “environmentally conscious clean technology and renewable energy” category while the remainder fell under the green building and biofuels categories. The awards ranged in amounts from - \$31,985 to \$100,000.

###

***2009 federal Recovery Act-funded Green Business Fund Grant recipients***

**Algaen Corporation, Clemmons -- \$52,808**

***Concurrent production of biodiesel and treatment of animal wastewater using oil-rich microalgae***

Using animal wastewater to provide nutrients to cultivate algae for biodiesel production. In the process, the wastewater will be purified by the algae.

**Alganomics, LLC, Southport -- \$59,500**

***Algae to bioproducts commercialization***

Commercializing potential byproducts of biofuel production, including fertilizer, animal feed, and cellulose for ethanol productions, medical-grade agar, nutraceuticals and pharmaceuticals.

**American Carolina Lighting, Penrose -- \$50,000**

***Energy-efficient electronic ballasts and commercial/industrial lighting fixtures***

Commercializing a patented electronic ballast for industrial high-intensity lighting that has been demonstrated to save 30 percent to 65 percent more energy than current ballasts.

**Biomass Marketing Associates, LLC, Hobgood -- \$100,000**

***Development of additional renewable energy component for gasification units***

Developing a system to capture heat produced from gasification of biological waste, and using that energy to heat water.

**Builders of Hope, Chapel Hill -- \$95,000**

***State Street Village***

Developing a green, affordable community of homes for low-income families in downtown Raleigh. At-risk youth will be trained and employed to work on this project.

**Cape Fear Green Building Alliance, Wilmington -- \$79,368**

***Building Performance Workshop Series: Hands-on approach to professional training***

Training local builders in green building techniques to improve energy efficiency in homes of economically disadvantaged individuals in partnership with Wilmington Area Rebuilding Ministry (WARM).

**Carolina Solar Farms, Raleigh -- \$50,000**

***Large-scale localized power generation development in North Carolina***

Constructing multiple large-scale solar farm sites in rural communities in the South East and North East regions of North Carolina.

**EcoMaintenance LLC, Elizabeth City -- \$75,000**

***Ecomaintenance: cleans green and trains green***

Providing energy efficiency consultations and green cleaning services for homeowners. Ex-offenders will be hired.

**FLS Energy, Inc., Asheville -- \$95,000**

***Easy solar kit***

Commercializing a do-it-yourself solar hot water kit that saves energy and money for average homeowners.

**Haywood Landfill Gas LLC, Matthews -- \$100,000**

***Convert landfill gas to energy***

Developing a green energy facility in Haywood County that will convert landfill gas to energy.

**High Country Green Box LLC, Boone -- \$97,989**

***A green solution for the affordable housing crisis in North Carolina***

Repurposing “Standard International Shipping Units” that are currently being discarded, into energy-efficient modular housing units.

**Highland Craftsmen Inc., Spruce Pine -- \$31,985**

***Job training course creates environmentally preferable building product supply chain***

Encouraging the use of bark shingles from local, sustainably managed forests to be used as green building material.

**Holloman Investing LLC, Wilmington -- \$60,000**

***Mag lift turbines***

Commercializing vertical axis wind turbines. Will install turbines, with partners, on commercial facilities in Bladen County.

**North Carolina's Northeast Economic Development Foundation Inc., Edenton -- \$100,000**

***Green building technology at a pilot-scale botanical extraction facility for the development of biotech crops and biofuels***

Building a LEED-certified business incubator facility for plant biotechnology businesses in Northeastern North Carolina.

**PureLux Inc., Winston Salem -- \$100,000**

***PureLux lighting fixture validation and commercialization***

Commercializing an energy-efficient lighting system and fixtures for commercial and residential structures.

**SBM Solar, Inc., Concord -- \$100,000**

***Production line expansion***

Producing a non-glass integrated solar roofing module that permits energy self-sufficiency for commercial and residential buildings.

**SunQest, Inc., Newton -- \$50,718**

***Solar thermal enhancement and in-state manufacturing***

Commercializing a solar thermal system to heat residential, building, pool and other medium-temperature applications.

**WindLift, LLC, Durham -- \$82,100**

***Alpha 3 field system building and testing***

Commercializing a kite engine system that generates and delivers energy from wind power.