



FOR IMMEDIATE RELEASE

## **GREEN ENERGY CORP AWARDED DISTRIBUTED ENERGY CONTROL SYSTEM GRANT BY NATIONAL SCIENCE FOUNDATION**

**DENVER, CO**, October 8, 2010 – [Green Energy Corp](#), a technology company that leverages world class industry expertise and software engineering skills to provide software and services for utilities, communication and smart energy companies, today announced that it has been awarded a National Science Foundation (NSF) Small Business Innovation Research (SBIR) grant to develop a new Distribution Energy Control System (DECS). Green Energy Corp will collaborate with the Future Renewable Electric Energy Delivery and Management Systems Center (FREEDM) to develop this new system that will enable the integration of distributed renewable energy resources into the electric power grid.

The DECS will facilitate the management of a “Green Hub” microgrid that consists of a diverse set of distributed energy resources (DERs) such as solar, wind, or storage battery connected to a utility distribution system. This new control system will provide the key functionality and interoperability needed for the wide scale integration of DERs into the distribution system.

“The broader impact of the project is significant, as the proposed DECS is one of the key components needed for large scale integration of distributed renewable energy resources into a utility distribution system,” says Roxanna Podlogar, Vice President of Product Strategy, Green Energy Corp. “Since adoption of renewable energy on a large scale is a real challenge for utilities, we feel that this system will benefit them greatly.”

Key features of the DECS that will be developed under this project include:

- A communication backbone based on a secure, scalable, and “open standards” architecture that supports Supervisory Control and Data Acquisition (SCADA).
- A state-of-the-art Distribution Energy Management System (DEMS) that supports the seamless and prioritized integration of various DERs.
- A system architecture that supports migration to more advanced communication, SCADA, and energy management functions.



“Green Energy Corp is pleased to partner with both the NSF and the FREEDM Center on this important initiative,” notes Ms. Podlogar. “We look forward to a long-standing and productive relationship.” The DECS project is scheduled to begin in October of 2010 at the FREEDM Center on the North Carolina State University campus, and is expected to take six to twelve months to complete.

#### **About the National Science Foundation (NSF)**

The NSF is an independent federal agency created by Congress in 1950 to promote the progress of science; to advance the national health, prosperity, and welfare; and to secure the national defense. With an annual budget of about \$6.9 billion (FY 2010), they are the funding source for approximately 20 percent of all federally supported basic research conducted by America's colleges and universities. For more information visit [www.nsf.gov](http://www.nsf.gov).

#### **About the FREEDM Systems Center**

The FREEDM Systems Center is a multi-institutional research and education effort that brings together a cross-disciplinary team of engineers, industry partners, end users, and other stakeholders to develop technology that will revolutionize the nation's power grid and speed renewable energy technologies into every home and business. For more information about this state-of-the-art facility please visit [www.freedom.ncsu.edu](http://www.freedom.ncsu.edu).

#### **About Green Energy Corp**

Green Energy Corp (GEC) is a technology company that provides software engineering services to communications, utilities and energy companies and delivers software products to enable the smart grid of the future. Our team includes senior business leaders and top industry experts with deep experience managing technology companies and building energy and communications solutions.

For more information please call (303) 453-8357 or visit [www.greenenergycorp.com](http://www.greenenergycorp.com).

#### **Media Contact:**

Emily Harrington  
*Marketing Manager*  
Green Energy Corp  
(303) 453-8357

[eharrington@greenenergycorp.com](mailto:eharrington@greenenergycorp.com)

###