



## Recipient

National Information Solutions Cooperative

## Project Title

Demonstrating Innovation in Customer Empowerment through Open Data Access

## Project Description

In this demonstration, the recipient will leverage the service areas of two electrical cooperatives to develop and demonstrate a standards-based implementation of the Department of Energy's Green Button initiative. Green Button's goal is to provide residential electricity customers with easy access to their energy usage data via a "Green Button" on electric utilities' websites. Utilizing this information will allow customers to better understand their energy usage and find ways to reduce electricity consumption and save money. Success of this initiative depends on the creation and adoption of standards to ensure interoperability and security between utilities, communications, and manufacturing industries. Therefore, the project team will incorporate MultiSpeak®, which is used by more than 700 utilities and is the most widely deployed interoperability standard, to enable more companies to build and deploy Green Button applications.

Access to this Green Button application will be deployed to a total of 2,000 residential customers at two electrical cooperatives – Sawnee Electric Membership Corporation in Georgia and Kootenai Electric Cooperative, Inc. in Idaho. Both companies have deployed an advanced meter infrastructure and use the NISC cloud-based meter data management system.

## Goals/Objectives

The project will achieve the following objectives:

- Develop effective means to incentivize and engage residential energy consumers in the management of their energy use.
- Empower consumers to better manage their electricity use through engagement with the data and their utility.
- Develop and provide to the industry a MultiSpeak® reference implementation of a GreenButton interface, consistent with NAESB Req18/WEQ19 and NAESB Req21.
- Demonstrate effective ways to design, implement, communicate, and promote Green Button technology.

## Benefits

- Assist customers in determining energy usage patterns and potential savings
- Develop a test environment and standards-based reference architecture for further Green Button application development
- Reduce carbon emissions through decreased electricity generation



## CONTACTS

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## PARTNERS

National Rural Electric Cooperative  
Association (NRECA)  
Sawnee Electric Membership  
Corporation  
Kootenai Electric Cooperative  
Boulder Energy Group  
MultiSpeak

## PROJECT DURATION

4/2/2012 – 3/31/2014

## COST

**Total Project Value**  
\$927,588

**DOE/Non-DOE Share**  
\$463,794/\$463,794

## DEMONSTRATION STATES

Missouri  
Idaho  
Georgia

