

Quick Facts

The Illinois Statewide Smart Grid Collaborative

What is the Illinois Statewide Smart Grid Collaborative?

- The Illinois Statewide Smart Grid Collaborative is a public-private partnership led by the Illinois Institute of Technology (IIT) and the University of Illinois Urbana-Champaign (UIUC) to speed the adoption of the Smart Grid in Illinois and nationally. Key private and municipal partnerships include Commonwealth Edison, Ameren, the City of Chicago, the Village of Oak Park, the Galvin Electricity Initiative and more than 50 companies.
- The Collaborative applied as a Smart Grid Regional Demonstration Project, under the American Recovery and Reinvestment Act, seeking \$60 million (50% match of the \$120 million budget) from the U.S. Department of Energy for the project.

What are the primary components of the Collaboration?

1. **The Illinois Institute of Technology Perfect Power System:** A complete, replicable, and scalable demonstration of a “never-fail” Smart Grid that would eliminate blackouts and make our energy cleaner, more secure and more efficient.
2. **The Oak Park Community Demonstration:** A demonstration of the technological, financial and policy investments communities can make, in coordination with their utilities, to leverage Smart Grid Advanced Metering Infrastructure (Smart Meter) investments to achieve cheaper, more efficient, and more reliable energy in homes and businesses. The demonstration will begin in Oak Park, a western suburb of Chicago.
3. **The Illinois Institute of Technology Smart Grid Demonstration Center:** A comprehensive technology development, demonstration, and evaluation platform for Smart Grid technologies that will allow companies to “plug-in” to an existing Smart Grid (IIT’s Perfect Power System) to speed the development of their new Smart Grid technologies and products.
4. **The University of Illinois Smart Grid Validation Facility:** An incubator, laboratory and advanced test bed that will allow companies to validate their distribution-level Smart Grid system hardware and software in order to provide convincing evidence that a design or configuration, when deployed, will perform satisfactorily under real-use scenarios, such as accidental failures and cyber attacks.

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