

**Memorandum of Understanding on Electric Utility Energy Efficiency,  
Demand Response, and the Smart Grid  
Between  
The United States Department of Energy  
And  
The Electric Power Research Institute, Inc.**

By this non-binding Memorandum of Understanding (“MOU”), the U.S. Department of Energy (“DOE”) and the Electric Power Research Institute, Inc. (“EPRI”) are furthering their long-term relationship by intending to work cooperatively to improve the efficient and effective use of energy and to encourage the widespread adoption of electric energy demand response programs.

EPRI has launched an Energy Efficiency Initiative (“Initiative”). The Initiative is intended to elicit support from 30 to 50 electric utilities to enable expansion of programs, activities, and technologies to encourage greater energy efficiency and widespread adoption of electric demand response. The basis for this EPRI Initiative is a Dynamic Energy Management platform or infrastructure, through which EPRI intends to develop and test equipment for transitioning the electric utility industry to a smart electric-grid system, as well as, evaluate commercial and retail appliances for optimal power usage in interacting with the grid.

DOE continues to have an active interest in enabling greater energy efficiency and a demand response effect by electricity customers.

DOE and EPRI believe that collaboration through meetings, exchange of publicly available data, workshops, and web casts will be complementary to both organizations’ interests.

DOE and EPRI envision coordinating future activities to the extent practical in support of the following goals and activities:

1. Cooperation in and support of research related to demand response and energy efficiency in buildings, industrial processes, and end-use, energy-consuming devices and appliances.
2. Work within the electric utility industry, their trade associations, and related professions to encourage the interoperability of power system and buildings-related software and digital devices to enhance the functionality of buildings and electric power systems to increase energy efficiency, health, and productivity in the United States.

3. Coordination of testing efforts at both DOE and EPRI laboratories that may demonstrate the functionality and interoperability of digital devices which could be part of dynamic energy management systems and Smart Grid-type applications.
4. Development of guidelines and methods to enable utilities and others to account for and catalog savings of emissions (such as CO<sub>2</sub>) from energy efficiency and demand response programs and technologies.
5. Comparative analysis and review of databases maintained by utility energy efficiency program administrators wherein the performance of energy efficiency technologies can be cataloged.

DOE and EPRI, subject to scheduling, resources, and applicable laws, intend to each host a meeting of DOE and EPRI staff. Such meetings may include other parties selected by either DOE or EPRI. The meetings will provide an opportunity for persons and/or entities to individually review progress and information related to the Initiative and to relevant DOE work. These in-person meetings may be augmented by webcasts, conference calls, or other meetings, as determined by DOE and EPRI.

The Office of Energy Efficiency and Renewable Energy and the Office of Electricity Delivery and Energy Reliability intend to participate on behalf of the DOE. DOE participation may also include its national laboratories in this living laboratory concept.

- A. This MOU is strictly for internal management purposes for each of the parties. It is not legally enforceable and shall not be construed to create any legal obligation on the part of either party. This MOU shall not be construed to provide a private right or cause of action for or by any person or entity.
- B. EPRI agrees that the activities it undertakes herein are not intended to provide services to the Federal Government and that it will not seek compensation from DOE in connection with its participation hereunder.
- C. EPRI agrees that it will not claim or imply that DOE endorses the sale and purchase of its products and services or those of its member companies.
- D. This MOU can be terminated by either party at any time by providing notice in writing to the other party.
- E. This MOU in no way restricts either of the parties from participating in any activity with other public or private agencies, organizations or individuals.
- F. This MOU is neither a fiscal nor a funds obligation document. Nothing in this MOU authorizes or is intended to obligate the parties to expend, exchange, or reimburse funds, services, or supplies, or transfer or receive anything of value.

This MOU will become effective upon signature by the Assistant Secretary for the Office of Energy Efficiency and Renewable Energy and the Office of Electricity Delivery and Energy Reliability in DOE, and the Vice President, Power Delivery & Markets and Vice President, Innovation, of EPRI. It may be modified or amended by written agreement between both parties, and such amendments shall become part of, and shall be attached to, this MOU. This MOU shall terminate at the end of three (3) years unless revised or extended at that time by written agreement of the parties. Its provisions will be reviewed annually and amended/supplemented if mutually agreed upon in writing.

This MOU is entered into pursuant to section 646 of the Department of Energy Organization Act, Pub. L. No. 95-91, as amended; and 42 U.S.C. §7256.  
Docket #08-2424

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Energy Efficiency and Renewable Energy  
U.S. Department of Energy

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Kevin Kolevar  
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