

Title XIII – Smart Grid

This document identifies milestone activities for this title of the Energy Independence and Security Act of 2007 that are likely to be relevant to the Edison Electric Institute and its member companies. Other requirements can be found under other title timelines.

60 days after enactment (Feb. 18, 2008):

- **National Institute of Standards and Technology Development Smart Grid Interoperability Framework:** Within 60 days of bill enactment, the Director of the National Institute of Standards and Technology shall begin work on development of a framework that includes protocols and model standards for information management to achieve interoperability of smart grid devices and systems. §1305

90 days after enactment (March 18, 2008):

- **DOE Establishment of Smart Grid Advisory Committee:** Not later than 90 days after enactment a Smart Grid Advisory Committee (either as an independent activity or as a designated sub-part of a larger advisory committee on electricity matters) shall be formed by DOE. §1303
- **DOE Establishment of Smart Grid Task Force:** Not later than 90 days after enactment, a Smart Grid Task Force will be formed. This group will be composed of designated employees from the various divisions of that office who have responsibilities related to the transition to smart-grid technologies and practices. The Assistant Secretary or his designee shall be identified as the Director of the task force. The Chairman of the FERC and the Director of the National Institute of Standards and Technology shall each designate at least one employee to participate on the task force. Other members may come from other agencies at the invitation of the Assistant Secretary or the nomination of the head of such other agency. §1303

1 year after enactment (Dec. 19, 2008):

- **DOE Smart Grid System Report:** Through the Assistant Secretary of the Office of Electricity Delivery and Energy Reliability (OEDER) and the Smart Grid Task Force a report shall be made to Congress concerning the status of smart grid deployments nationwide and any regulatory or government barriers to continued deployment within a year after enactment and every two years thereafter. The report shall provide the current status and prospects of smart grid development, including information on technology penetration, communications network capabilities, costs and

obstacles. The report shall also describe State and Federal policies or actions helpful to facilitate the transition to a smart grid. The report should take a regional perspective to the extent appropriate. §1302

- **National Institute of Standards and Technology Development Smart Grid Interoperability Report:** The Director of the National Institute of Standards and Technology shall provide and publish initial report on progress toward recommended or consensus standards and protocols within one year after enactment. §1305
- **DOE Federal Matching Fund for Smart Grid Investment Costs:** The Secretary of Energy shall establish a Smart Grid Investment Matching Grant Program to provide reimbursement of one-fifth (20 percent) of qualifying Smart Grid investments and shall also establish and publish in the Federal Register, within one year after the enactment of this Act procedures by which applicants who have made qualifying Smart Grid investments can seek and obtain reimbursement of one-fifth of their documented expenditures. DOE shall also, maintain public records, and have and exercise the discretion to deny grants for investments that do not qualify in the reasonable judgment of the Secretary. §1306
- **DOE Study and Report on the Effect of Private Wire Laws on the Development of Combined Heat and Power Facilities:** The Secretary, in consultation with the States and other appropriate entities shall conduct a study of the laws (including regulations) affecting the siting of privately owned electric distribution wires on and across public rights-of way. The study shall include an evaluation of the purposes of the laws; and the effect the laws have on the development of combined heat and power facilities; a determination of the operating, cost and reliability impacts, and an assessment of whether privately-owned wires would result in duplicative facilities and whether duplicative facilities are necessary and desirable. Within a year after enactment the Secretary shall submit to Congress a report that describes the results of the study. §1308

18 months after enactment (June 19, 2009):

- **DOE Report on the Study of Security Attributes of Smart Grid Systems:** Within 18 months the Secretary of Energy shall submit a report to Congress that provides a quantitative assessment and determination of the existing and potential impacts of the deployment of Smart Grid systems on improving the security of the Nation's electricity infrastructure and operating capability, including making the system less vulnerable to intentional disruptions. For this report, the Secretary shall consult with other Federal agencies in the development of the report including the DHS, the FERC, and the Electric Reliability Organization. §1309

No deadline currently established:

- **DOE Program on Power Grid Digital Information Technology:** : In consultation with the FERC and other appropriate agencies, electric utilities, the States, and other stakeholders, DOE shall carry out a program to develop advanced technology research, development, and demonstration of power grid digital information technology. §1304

- **DOE Smart Grid Regional Demonstration Initiative:** The Secretary of Energy shall establish a smart grid regional demonstration initiative composed of demonstration projects specifically focused on advanced technologies for use in power grid sensing, communications, analysis, and power flow control. DOE shall also seek to leverage existing smart grid deployments. §1304

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Contact Us: If you have questions about the timelines, please contact Joanne Hopkins at jhopkins@eei.org.