

(2) to promote global energy security through promotion of programs such as the Extractive Industries Transparency Initiative (EITI) that seek to instill transparency and accountability into extractive industries resource payments.

**(c) Sense of Congress**

It is the sense of Congress that the United States should further global energy security and promote democratic development in resource-rich foreign countries by—

- (1) encouraging further participation in the EITI by eligible countries and companies; and
- (2) promoting the efficacy of the EITI program by ensuring a robust and candid review mechanism.

**(d) Report**

**(1) Report required**

Not later than 180 days after December 19, 2007, and annually thereafter, the Secretary of State, in consultation with the Secretary of Energy, shall submit to the appropriate congressional committees a report on progress made in promoting transparency in extractive industries resource payments.

**(2) Matters to be included**

The report required by paragraph (1) shall include a detailed description of United States participation in the EITI, bilateral and multilateral diplomatic efforts to further participation in the EITI, and other United States initiatives to strengthen energy security, deter energy kleptocracy, and promote transparency in the extractive industries.

**(e) Authorization of appropriations**

There is authorized to be appropriated \$3,000,000 for the purposes of United States contributions to the Multi-Donor Trust Fund of the EITI.

(Pub. L. 110-140, title IX, §935, Dec. 19, 2007, 121 Stat. 1748.)

SUBCHAPTER IX—SMART GRID

**§ 17381. Statement of policy on modernization of electricity grid**

It is the policy of the United States to support the modernization of the Nation's electricity transmission and distribution system to maintain a reliable and secure electricity infrastructure that can meet future demand growth and to achieve each of the following, which together characterize a Smart Grid:

- (1) Increased use of digital information and controls technology to improve reliability, security, and efficiency of the electric grid.
- (2) Dynamic optimization of grid operations and resources, with full cyber-security.
- (3) Deployment and integration of distributed resources and generation, including renewable resources.
- (4) Development and incorporation of demand response, demand-side resources, and energy-efficiency resources.
- (5) Deployment of “smart” technologies (real-time, automated, interactive technologies that optimize the physical operation

of appliances and consumer devices) for metering, communications concerning grid operations and status, and distribution automation.

(6) Integration of “smart” appliances and consumer devices.

(7) Deployment and integration of advanced electricity storage and peak-shaving technologies, including plug-in electric and hybrid electric vehicles, and thermal-storage air conditioning.

(8) Provision to consumers of timely information and control options.

(9) Development of standards for communication and interoperability of appliances and equipment connected to the electric grid, including the infrastructure serving the grid.

(10) Identification and lowering of unreasonable or unnecessary barriers to adoption of smart grid technologies, practices, and services.

(Pub. L. 110-140, title XIII, §1301, Dec. 19, 2007, 121 Stat. 1783.)

**§ 17382. Smart grid system report**

The Secretary, acting through the Assistant Secretary of the Office of Electricity Delivery and Energy Reliability (referred to in this section as the “OEDER”) and through the Smart Grid Task Force established in section 17383 of this title, shall, after consulting with any interested individual or entity as appropriate, no later than 1 year after December 19, 2007, and every 2 years thereafter, report to Congress concerning the status of smart grid deployments nationwide and any regulatory or government barriers to continued deployment. The report shall provide the current status and prospects of smart grid development, including information on technology penetration, communications network capabilities, costs, and obstacles. It may include recommendations for State and Federal policies or actions helpful to facilitate the transition to a smart grid. To the extent appropriate, it should take a regional perspective. In preparing this report, the Secretary shall solicit advice and contributions from the Smart Grid Advisory Committee created in section 17383 of this title; from other involved Federal agencies including but not limited to the Federal Energy Regulatory Commission (“Commission”), the National Institute of Standards and Technology (“Institute”), and the Department of Homeland Security; and from other stakeholder groups not already represented on the Smart Grid Advisory Committee.

(Pub. L. 110-140, title XIII, §1302, Dec. 19, 2007, 121 Stat. 1784.)

CODIFICATION

December 19, 2007, referred to in text, was in the original “enactment” and was translated as meaning the date of enactment of Pub. L. 110-140 to reflect the probable intent of Congress.

**§ 17383. Smart Grid Advisory Committee and Smart Grid Task Force**

**(a) Smart Grid Advisory Committee**

**(1) Establishment**

The Secretary shall establish, within 90 days of December 19, 2007, a Smart Grid Advisory