

(d) Smart grid functions

The term “smart grid functions” means any of the following:

(1) The ability to develop, store, send and receive digital information concerning electricity use, costs, prices, time of use, nature of use, storage, or other information relevant to device, grid, or utility operations, to or from or by means of the electric utility system, through one or a combination of devices and technologies.

(2) The ability to develop, store, send and receive digital information concerning electricity use, costs, prices, time of use, nature of use, storage, or other information relevant to device, grid, or utility operations to or from a computer or other control device.

(3) The ability to measure or monitor electricity use as a function of time of day, power quality characteristics such as voltage level, current, cycles per second, or source or type of generation and to store, synthesize or report that information by digital means.

(4) The ability to sense and localize disruptions or changes in power flows on the grid and communicate such information instantaneously and automatically for purposes of enabling automatic protective responses to sustain reliability and security of grid operations.

(5) The ability to detect, prevent, communicate with regard to, respond to, or recover from system security threats, including cybersecurity threats and terrorism, using digital information, media, and devices.

(6) The ability of any appliance or machine to respond to such signals, measurements, or communications automatically or in a manner programmed by its owner or operator without independent human intervention.

(7) The ability to use digital information to operate functionalities on the electric utility grid that were previously electro-mechanical or manual.

(8) The ability to use digital controls to manage and modify electricity demand, enable congestion management, assist in voltage control, provide operating reserves, and provide frequency regulation.

(9) Such other functions as the Secretary may identify as being necessary or useful to the operation of a Smart Grid.

(e) Procedures and rules

(1) The Secretary shall, within 60 days after February 17, 2009, by means of a notice of intent and subsequent solicitation of grant proposals—

(A) establish procedures by which applicants can obtain grants of not more than one-half of their documented costs;

(B) require as a condition of receiving funding under this subsection that demonstration projects utilize open protocols and standards (including Internet-based protocols and standards) if available and appropriate;

(C) establish procedures to ensure that there is no duplication or multiple payment for the same investment or costs, that the grant goes to the party making the actual expenditures for the qualifying Smart Grid investments, and that the grants made have a significant

effect in encouraging and facilitating the development of a smart grid;

(D) establish procedures to ensure there will be public records of grants made, recipients, and qualifying Smart Grid investments which have received grants; and

(E) establish procedures to provide advance payment of moneys up to the full amount of the grant award.

(2) The Secretary shall have discretion and exercise reasonable judgment to deny grants for investments that do not qualify.

(f) Authorization of appropriations

There are authorized to be appropriated to the Secretary such sums as are necessary for the administration of this section and the grants to be made pursuant to this section for fiscal years 2008 through 2012.

(Pub. L. 110-140, title XIII, §1306, Dec. 19, 2007, 121 Stat. 1789; Pub. L. 111-5, div. A, title IV, §405(5)-(8), Feb. 17, 2009, 123 Stat. 144.)

REFERENCES IN TEXT

The Energy Policy and Conservation Act, referred to in subsec. (b)(1), is Pub. L. 94-163, Dec. 22, 1975, 89 Stat. 871. Part B of title III of the Act is classified generally to part A (§6291 et seq.) of subchapter III of chapter 77 of this title. For complete classification of this Act to the Code, see Short Title note set out under section 6201 of this title and Tables.

Section 2621(d)(17) of title 16, referred to in subsec. (c)(3), was redesignated section 2621(d)(19) by Pub. L. 111-5, div. A, title IV, §408(a), Feb. 17, 2009, 123 Stat. 146.

AMENDMENTS

2009—Subsec. (a). Pub. L. 111-5, §405(5), substituted “grants of up to one-half (50 percent)” for “reimbursement of one-fifth (20 percent)”.

Subsec. (b)(9). Pub. L. 111-5, §405(6), struck out last sentence which read as follows: “In making such grants, the Secretary shall seek to reward innovation and early adaptation, even if success is not complete, rather than deployment of proven and commercially viable technologies.”

Subsec. (c)(1). Pub. L. 111-5, §405(7), substituted “utilize” for “are eligible for”.

Subsec. (e). Pub. L. 111-5, §405(8), amended subsec. (e) generally. Prior to amendment, text related to establishment of procedures by which applicants who have made qualifying Smart Grid investments can seek and obtain reimbursement of one-fifth of documented expenditures.

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§ 17501. Purposes; findings**(a) Purposes**

The purposes of the Act are—

(1) to break the cycle of criminal recidivism, increase public safety, and help States, local units of government, and Indian Tribes, better address the growing population of criminal offenders who return to their communities and commit new crimes;

(2) to rebuild ties between offenders and their families, while the offenders are incarcerated and after reentry into the community, to promote stable families and communities;

(3) to encourage the development and support of, and to expand the availability of, evidence-based programs that enhance public safety and reduce recidivism, such as substance abuse treatment, alternatives to incarceration, and comprehensive reentry services;

(4) to protect the public and promote law-abiding conduct by providing necessary services to offenders, while the offenders are incarcerated and after reentry into the community, in a manner that does not confer luxuries or privileges upon such offenders;

(5) to assist offenders reentering the community from incarceration to establish a self-sustaining and law-abiding life by providing sufficient transitional services for as short of a period as practicable, not to exceed one year, unless a longer period is specifically determined to be necessary by a medical or other appropriate treatment professional; and

(6) to provide offenders in prisons, jails or juvenile facilities with educational, literacy, vocational, and job placement services to facilitate re-entry into the community.

(b) Findings

Congress finds the following:

(1) In 2002, over 7,000,000 people were incarcerated in Federal or State prisons or in local jails. Nearly 650,000 people are released from Federal and State incarceration into communities nationwide each year.

(2) There are over 3,200 jails throughout the United States, the vast majority of which are operated by county governments. Each year, these jails will release more than 10,000,000 people back into the community.

(3) Recent studies indicate that over ⅔ of released State prisoners are expected to be re-

arrested for a felony or serious misdemeanor within 3 years after release.

(4) According to the Bureau of Justice Statistics, expenditures on corrections alone increased from \$9,000,000,000 in 1982, to \$59,600,000,000 in 2002. These figures do not include the cost of arrest and prosecution, nor do they take into account the cost to victims.

(5) The Serious and Violent Offender Reentry Initiative (SVORI) provided \$139,000,000 in funding for State governments to develop and implement education, job training, mental health treatment, and substance abuse treatment for serious and violent offenders. This Act seeks to build upon the innovative and successful State reentry programs developed under the SVORI, which terminated after fiscal year 2005.

(6) Between 1991 and 1999, the number of children with a parent in a Federal or State correctional facility increased by more than 100 percent, from approximately 900,000 to approximately 2,000,000. According to the Bureau of Prisons, there is evidence to suggest that inmates who are connected to their children and families are more likely to avoid negative incidents and have reduced sentences.

(7) Released prisoners cite family support as the most important factor in helping them stay out of prison. Research suggests that families are an often underutilized resource in the reentry process.

(8) Approximately 100,000 juveniles (ages 17 years and under) leave juvenile correctional facilities, State prison, or Federal prison each year. Juveniles released from secure confinement still have their likely prime crime years ahead of them. Juveniles released from secure confinement have a recidivism rate ranging from 55 to 75 percent. The chances that young people will successfully transition into society improve with effective reentry and aftercare programs.

(9) Studies have shown that between 15 percent and 27 percent of prisoners expect to go to homeless shelters upon release from prison.

(10) Fifty-seven percent of Federal and 70 percent of State inmates used drugs regularly before going to prison, and the Bureau of Justice statistics report titled “Trends in State Parole, 1990-2000” estimates the use of drugs or alcohol around the time of the offense that resulted in the incarceration of the inmate at as high as 84 percent.

(11) Family-based treatment programs have proven results for serving the special populations of female offenders and substance abusers with children. An evaluation by the Substance Abuse and Mental Health Services Administration of family-based treatment for substance-abusing mothers and children found that 6 months after such treatment, 60 percent of the mothers remained alcohol and drug free, and drug-related offenses declined from 28 percent to 7 percent. Additionally, a 2003 evaluation of residential family-based treatment programs revealed that 60 percent of mothers remained clean and sober 6 months after treatment, criminal arrests declined by 43 percent, and 88 percent of the children treated in the program with their mothers remained stabilized.