

amended by this chapter shall work together to ensure that research, technologies, and response techniques are shared among the programs authorized in this chapter in order to coordinate the Nation's efforts to reduce vulnerability to the hazards described in this chapter.

(Pub. L. 108-360, title II, §209, Oct. 25, 2004, 118 Stat. 1680.)

REFERENCES IN TEXT

This chapter, referred to in text, was in the original "this title", meaning title II of Pub. L. 108-360, Oct. 25, 2004, 118 Stat. 1675, which is classified generally to this chapter. For complete classification of title II to the Code, see Short Title note set out under section 15701 of this title and Tables.

CHAPTER 149—NATIONAL ENERGY POLICY AND PROGRAMS

- Sec. 15801. Definitions.
- SUBCHAPTER I—ENERGY EFFICIENCY
- PART A—FEDERAL PROGRAMS
- 15811. Voluntary commitments to reduce industrial energy intensity.
- 15812. Advanced building efficiency testbed.
- 15813. Enhancing energy efficiency in management of Federal lands.
- PART B—ENERGY ASSISTANCE AND STATE PROGRAMS
- 15821. Energy efficient appliance rebate programs.
- 15822. Energy efficient public buildings.
- 15823. Low income community energy efficiency pilot program.
- 15824. State Technologies Advancement Collaborative.
- PART C—ENERGY EFFICIENT PRODUCTS
- 15831. Public energy education program.
- 15832. Energy efficiency public information initiative.
- 15833. Energy efficiency pilot program.
- 15834. Report on failure to comply with deadlines for new or revised energy conservation standards.
- PART D—PUBLIC HOUSING
- 15841. Energy-efficient appliances.
- 15842. Energy strategy for HUD.
- SUBCHAPTER II—RENEWABLE ENERGY
- PART A—GENERAL PROVISIONS
- 15851. Assessment of renewable energy resources.
- 15852. Federal purchase requirement.
- 15853. Rebate program.
- 15854. Sugar Cane Ethanol Program.
- 15855. Grants to improve the commercial value of forest biomass for electric energy, useful heat, transportation fuels, and other commercial purposes.
- PART B—GEOTHERMAL ENERGY
- 15871. Coordination of geothermal leasing and permitting on Federal lands.
- 15872. Assessment of geothermal energy potential.
- 15873. Deposit and use of geothermal lease revenues for 5 fiscal years.
- 15874. Intermountain West Geothermal Consortium.
- PART C—HYDROELECTRIC
- 15881. Hydroelectric production incentives.
- 15882. Hydroelectric efficiency improvement.
- PART D—INSULAR ENERGY
- 15891. Projects enhancing insular energy independence.

- Sec. SUBCHAPTER III—OIL AND GAS
- PART A—PRODUCTION INCENTIVES
- 15901. Definition of Secretary.
- 15902. Program on oil and gas royalties in-kind.
- 15903. Marginal property production incentives.
- 15904. Incentives for natural gas production from deep wells in the shallow waters of the Gulf of Mexico.
- 15905. Royalty relief for deep water production.
- 15906. North Slope Science Initiative.
- 15907. Orphaned, abandoned, or idled wells on Federal land.
- 15908. Preservation of geological and geophysical data.
- 15909. Gas hydrate production incentive.
- 15910. Enhanced oil and natural gas production through carbon dioxide injection.
- 15911. Denali Commission.
- 15912. Comprehensive inventory of OCS oil and natural gas resources.
- PART B—ACCESS TO FEDERAL LANDS
- 15921. Management of Federal oil and gas leasing programs.
- 15922. Consultation regarding oil and gas leasing on public land.
- 15923. Methodology.
- 15924. Pilot project to improve Federal permit coordination.
- 15925. Fair market value determinations for linear rights-of-way across public lands and national forests.
- 15926. Energy right-of-way corridors on Federal land.
- 15927. Oil shale, tar sands, and other strategic unconventional fuels.
- 15928. Consultation regarding energy rights-of-way on public land.
- PART C—MISCELLANEOUS
- 15941. Great Lakes oil and gas drilling ban.
- 15942. NEPA review.
- PART D—REFINERY REVITALIZATION
- 15951. Findings and definitions.
- 15952. Federal-State regulatory coordination and assistance.
- SUBCHAPTER IV—COAL
- PART A—CLEAN COAL POWER INITIATIVE
- 15961. Authorization of appropriations.
- 15962. Project criteria.
- 15963. Report.
- 15964. Clean coal centers of excellence.
- 15965. Time limit for award; extension.
- PART B—CLEAN POWER PROJECTS
- 15971. Integrated coal/renewable energy system.
- 15972. Loan to place Alaska clean coal technology facility in service.
- 15973. Western integrated coal gasification demonstration project.
- 15974. Coal gasification.
- 15975. Petroleum coke gasification.
- 15976. Electron scrubbing demonstration.
- 15977. Department of Energy transportation fuels from Illinois basin coal.
- PART C—FEDERAL COAL LEASES
- 15991. Inventory requirement.
- SUBCHAPTER V—INDIAN ENERGY
- 16001. Energy efficiency in federally assisted housing.
- SUBCHAPTER VI—NUCLEAR MATTERS
- PART A—GENERAL NUCLEAR MATTERS
- 16011. Demonstration hydrogen production at existing nuclear power plants.

- | | |
|--|--|
| <p>Sec.
16012. Prohibition on assumption by United States Government of liability for certain foreign incidents.</p> <p>16013. Authorization of appropriations.</p> <p>16014. Standby support for certain nuclear plant delays.</p> <p>PART B—NEXT GENERATION NUCLEAR PLANT PROJECT</p> <p>16021. Project establishment.</p> <p>16022. Project management.</p> <p>16023. Project organization.</p> <p>16024. Nuclear Regulatory Commission.</p> <p>16025. Project timelines and authorization of appropriations.</p> <p>PART C—NUCLEAR SECURITY</p> <p>16041. Nuclear facility and materials security.</p> <p>16042. Department of Homeland Security consultation.</p> <p>SUBCHAPTER VII—VEHICLES AND FUELS</p> <p>PART A—EXISTING PROGRAMS</p> <p>16051. Joint flexible fuel/hybrid vehicle commercialization initiative.</p> <p>PART B—HYBRID VEHICLES, ADVANCED VEHICLES, AND FUEL CELL BUSES</p> <p>SUBPART 1—HYBRID VEHICLES</p> <p>16061. Hybrid vehicles.</p> <p>16062. Domestic manufacturing conversion grant program.</p> <p>SUBPART 2—ADVANCED VEHICLES</p> <p>16071. Pilot program.</p> <p>16072. Reports to Congress.</p> <p>16073. Authorization of appropriations.</p> <p>SUBPART 3—FUEL CELL BUSES</p> <p>16081. Fuel cell transit bus demonstration.</p> <p>PART C—CLEAN SCHOOL BUSES</p> <p>16091. Clean school bus program.</p> <p>16091a. Clean school bus program.</p> <p>16092. Diesel truck retrofit and fleet modernization program.</p> <p>16093. Fuel cell school buses.</p> <p>PART D—MISCELLANEOUS</p> <p>16101. Railroad efficiency.</p> <p>16102. Diesel fueled vehicles.</p> <p>16103. Conserve by Bicycling Program.</p> <p>16104. Reduction of engine idling.</p> <p>16105. Biodiesel engine testing program.</p> <p>16106. Ultra-efficient engine technology for aircraft.</p> <p>PART E—FEDERAL AND STATE PROCUREMENT</p> <p>16121. Definitions.</p> <p>16122. Federal and State procurement of fuel cell vehicles and hydrogen energy systems.</p> <p>16123. Federal procurement of stationary, portable, and micro fuel cells.</p> <p>PART F—DIESEL EMISSIONS REDUCTION</p> <p>16131. Definitions.</p> <p>16132. National grant, rebate, and loan programs.</p> <p>16133. State grant, rebate, and loan programs.</p> <p>16134. Evaluation and report.</p> <p>16135. Outreach and incentives.</p> <p>16136. Effect of part.</p> <p>16137. Authorization of appropriations.</p> <p>16138. EPA authority to accept diesel emissions reduction Supplemental Environmental Projects.</p> <p>16139. Settlement agreement provisions.</p> <p>SUBCHAPTER VIII—HYDROGEN</p> <p>16151. Purposes.</p> | <p>Sec.
16152. Definitions.</p> <p>16153. Plan.</p> <p>16154. Programs.</p> <p>16155. Hydrogen and Fuel Cell Technical Task Force.</p> <p>16156. Technical Advisory Committee.</p> <p>16157. Demonstration.</p> <p>16158. Codes and standards.</p> <p>16159. Disclosure.</p> <p>16160. Reports.</p> <p>16161. Solar and wind technologies.</p> <p>16162. Technology transfer.</p> <p>16163. Miscellaneous provisions.</p> <p>16164. Cost sharing.</p> <p>16165. Savings clause.</p> <p>SUBCHAPTER IX—RESEARCH AND DEVELOPMENT</p> <p>16181. Goals.</p> <p>16182. Definitions.</p> <p>PART A—ENERGY EFFICIENCY</p> <p>16191. Energy efficiency.</p> <p>16192. Next Generation Lighting Initiative.</p> <p>16193. National Building Performance Initiative.</p> <p>16194. Building standards.</p> <p>16195. Secondary electric vehicle battery use program.</p> <p>16196. Energy Efficiency Science Initiative.</p> <p>16197. Advanced Energy Technology Transfer Centers.</p> <p>PART B—DISTRIBUTED ENERGY AND ELECTRIC ENERGY SYSTEMS</p> <p>16211. Distributed energy and electric energy systems.</p> <p>16212. High power density industry program.</p> <p>16213. Micro-cogeneration energy technology.</p> <p>16214. Distributed energy technology demonstration programs.</p> <p>16215. Electric transmission and distribution programs.</p> <p>PART C—RENEWABLE ENERGY</p> <p>16231. Renewable energy.</p> <p>16232. Bioenergy program.</p> <p>16233. Low-cost renewable hydrogen and infrastructure for vehicle propulsion.</p> <p>16234. Concentrating solar power research program.</p> <p>16235. Renewable energy in public buildings.</p> <p>PART D—AGRICULTURAL BIOMASS RESEARCH AND DEVELOPMENT PROGRAMS</p> <p>16251. Production incentives for cellulosic biofuels.</p> <p>16252. Education.</p> <p>16253. Small business bioproduct marketing and certification grants.</p> <p>16254. Regional bioeconomy development grants.</p> <p>16255. Preprocessing and harvesting demonstration grants.</p> <p>16256. Education and outreach.</p> <p>PART E—NUCLEAR ENERGY</p> <p>16271. Nuclear energy.</p> <p>16272. Nuclear energy research programs.</p> <p>16273. Advanced fuel cycle initiative.</p> <p>16274. University nuclear science and engineering support.</p> <p>16274a. Integrated University Program.</p> <p>16275. Department of Energy civilian nuclear infrastructure and facilities.</p> <p>16276. Security of nuclear facilities.</p> <p>16277. Alternatives to industrial radioactive sources.</p> <p>PART F—FOSSIL ENERGY</p> <p>16291. Fossil energy.</p> <p>16292. Coal and related technologies program.</p> |
|--|--|

- Sec. 16293. Carbon capture and sequestration research, development, and demonstration program.
- 16294. Research and development for coal mining technologies.
- 16295. Oil and gas research programs.
- 16296. Low-volume oil and gas reservoir research program.
- 16297. Complex Well Technology Testing Facility.

PART G—SCIENCE

- 16311. Science.
- 16312. Fusion energy sciences program.
- 16313. Catalysis research program.
- 16314. Hydrogen.
- 16315. Solid state lighting.
- 16316. Advanced scientific computing research and development program.
- 16317. Systems biology program.
- 16318. Fission and fusion energy materials research program.
- 16319. Energy and water supplies.
- 16320. Spallation Neutron Source.
- 16321. Rare Isotope Accelerator.
- 16322. Office of Scientific and Technical Information.
- 16323. Science and engineering education pilot program.
- 16324. Energy research fellowships.
- 16325. Science and Technology Scholarship Program.

PART H—INTERNATIONAL COOPERATION

- 16341. Western Hemisphere energy cooperation.
- 16342. International energy training.

PART I—RESEARCH ADMINISTRATION AND OPERATIONS

- 16351. Availability of funds.
- 16352. Cost sharing.
- 16353. Merit review of proposals.
- 16354. External technical review of departmental programs.
- 16355. National Laboratory designation.
- 16356. Report on equal employment opportunity practices.
- 16357. Strategy and plan for science and energy facilities and infrastructure.
- 16358. Strategic research portfolio analysis and coordination plan.
- 16359. Competitive award of management contracts.
- 16360. Western Michigan demonstration project.
- 16361. Arctic Engineering Research Center.
- 16362. Barrow Geophysical Research Facility.

PART J—ULTRA-DEEPWATER AND UNCONVENTIONAL NATURAL GAS AND OTHER PETROLEUM RESOURCES

- 16371. Program authority.
- 16372. Ultra-deepwater and unconventional onshore natural gas and other petroleum research and development program.
- 16373. Additional requirements for awards.
- 16374. Advisory committees.
- 16375. Limits on participation.
- 16376. Sunset.
- 16377. Definitions.
- 16378. Funding.

SUBCHAPTER X—DEPARTMENT OF ENERGY MANAGEMENT

- 16391. Improved technology transfer of energy technologies.
- 16392. Technology Infrastructure Program.
- 16393. Small business advocacy and assistance.
- 16394. Outreach.
- 16395. Relationship to other laws.
- 16396. Prizes for achievement in grand challenges of science and technology.

SUBCHAPTER XI—PERSONNEL AND TRAINING

- 16411. Workforce trends and traineeship grants.

- Sec. 16412. Training guidelines for nonnuclear electric energy industry personnel.
- 16413. National Center for Energy Management and Building Technologies.
- 16414. National Power Plant Operations Technology and Educational Center.

SUBCHAPTER XII—ELECTRICITY

PART A—TRANSMISSION INFRASTRUCTURE MODERNIZATION

- 16421. Third-party finance.
- 16421a. Western Area Power Administration borrowing authority.
- 16422. Advanced transmission technologies.
- 16423. Advanced Power System Technology Incentive Program.

PART B—TRANSMISSION OPERATION IMPROVEMENTS

- 16431. Federal utility participation in transmission organizations.
- 16432. Study on the benefits of economic dispatch.

PART C—TRANSMISSION RATE REFORM

- 16441. Funding new interconnection and transmission upgrades.

PART D—REPEAL OF PUBLIC UTILITY HOLDING COMPANY ACT OF 1935

- 16451. Definitions.
- 16452. Federal access to books and records.
- 16453. State access to books and records.
- 16454. Exemption authority.
- 16455. Affiliate transactions.
- 16456. Applicability.
- 16457. Effect on other regulations.
- 16458. Enforcement.
- 16459. Savings provisions.
- 16460. Implementation.
- 16461. Transfer of resources.
- 16462. Service allocation.
- 16463. Authorization of appropriations.

PART E—MARKET TRANSPARENCY, ENFORCEMENT, AND CONSUMER PROTECTION

- 16471. Consumer privacy and unfair trade practices.

PART F—DEFINITIONS

- 16481. Commission defined.

SUBCHAPTER XIII—MISCELLANEOUS

- 16491. Energy production incentives.
- 16492. Regulation of certain oil used in transformers.
- 16493. National Priority Project Designation.
- 16494. Oxygen-fuel.

SUBCHAPTER XIV—ETHANOL AND MOTOR FUELS

- 16501. Commercial byproducts from municipal solid waste and cellulosic biomass loan guarantee program.
- 16502. Advanced Biofuel Technologies Program.
- 16503. Sugar ethanol loan guarantee program.

SUBCHAPTER XV—INCENTIVES FOR INNOVATIVE TECHNOLOGIES

- 16511. Definitions.
- 16512. Terms and conditions.
- 16513. Eligible projects.
- 16514. Authorization of appropriations.
- 16515. Limitation on commitments to guarantee loans.
- 16516. Temporary program for rapid deployment of renewable energy and electric power transmission projects.

SUBCHAPTER XVI—STUDIES

- 16521. Report on energy integration with Latin America.

Sec.	
16522.	Low-volume gas reservoir study.
16523.	Alaska natural gas pipeline.
16524.	Study on the benefits of economic dispatch.

SUBCHAPTER XVII—PROTECTING AMERICA'S
COMPETITIVE EDGE THROUGH ENERGY

16531.	Definitions.
16532.	Nuclear science talent expansion program for institutions of higher education.
16533.	Hydrocarbon systems science talent expansion program for institutions of higher education.
16534.	Department of Energy early career awards for science, engineering, and mathematics researchers.
16535.	Discovery science and engineering innovation institutes.
16536.	Protecting America's Competitive Edge (PACE) graduate fellowship program.
16537.	Distinguished scientist program.
16538.	Advanced Research Projects Agency—Energy.

§ 15801. Definitions

Except as otherwise provided, in this Act:

(1) **Department**

The term “Department” means the Department of Energy.

(2) **Institution of higher education**

(A) **In general**

The term “institution of higher education” has the meaning given the term in section 1001(a) of title 20.

(B) **Inclusion**

The term “institution of higher education” includes an organization that—

- (i) is organized, and at all times thereafter operated, exclusively for the benefit of, to perform the functions of, or to carry out the functions of one or more organizations referred to in subparagraph (A); and
- (ii) is operated, supervised, or controlled by or in connection with one or more of those organizations.

(3) **National Laboratory**

The term “National Laboratory” means any of the following laboratories owned by the Department:

- (A) Ames Laboratory.
- (B) Argonne National Laboratory.
- (C) Brookhaven National Laboratory.
- (D) Fermi National Accelerator Laboratory.
- (E) Idaho National Laboratory.
- (F) Lawrence Berkeley National Laboratory.
- (G) Lawrence Livermore National Laboratory.
- (H) Los Alamos National Laboratory.
- (I) National Energy Technology Laboratory.
- (J) National Renewable Energy Laboratory.
- (K) Oak Ridge National Laboratory.
- (L) Pacific Northwest National Laboratory.
- (M) Princeton Plasma Physics Laboratory.
- (N) Sandia National Laboratories.
- (O) Savannah River National Laboratory.
- (P) Stanford Linear Accelerator Center.

(Q) Thomas Jefferson National Accelerator Facility.

(4) **Secretary**

The term “Secretary” means the Secretary of Energy.

(5) **Small business concern**

The term “small business concern” has the meaning given the term in section 632 of title 15.

(Pub. L. 109–58, § 2, Aug. 8, 2005, 119 Stat. 604.)

REFERENCES IN TEXT

This Act, referred to in text, is Pub. L. 109–58, Aug. 8, 2005, 119 Stat. 594, as amended, known as the Energy Policy Act of 2005, which enacted this chapter and enacted, amended, and repealed numerous other sections and notes in the Code. For complete classification of this Act to the Code, see Short Title note below and Tables.

SHORT TITLE OF 2011 AMENDMENT

Pub. L. 111–364, § 1, Jan. 4, 2011, 124 Stat. 4056, provided that: “This Act [amending sections 16131 to 16134 and 16137 of this title and enacting provisions set out as a note under section 16131 of this title] may be cited as the ‘Diesel Emissions Reduction Act of 2010’.”

SHORT TITLE OF 2007 AMENDMENT

Pub. L. 110–69, title V, § 5001, Aug. 9, 2007, 121 Stat. 600, provided that: “This title [enacting subchapter XVII of this chapter and sections 7381g to 7381r of this title, amending sections 7381a, 7381d, 7381e, and 16311 of this title, and enacting provisions set out as a note under section 7381g of this title] may be cited as the ‘Protecting America's Competitive Edge Through Energy Act’ or the ‘PACE–Energy Act’.”

SHORT TITLE OF 2006 AMENDMENT

Pub. L. 109–375, § 1, Dec. 1, 2006, 120 Stat. 2656, provided that: “This Act [amending section 15855 of this title] may be cited as the ‘Sierra National Forest Land Exchange Act of 2006’.”

SHORT TITLE

Pub. L. 109–58, § 1(a), Aug. 8, 2005, 119 Stat. 594, provided that: “This Act [see Tables for classification] may be cited as the ‘Energy Policy Act of 2005’.”

Pub. L. 109–58, title IV, § 431, Aug. 8, 2005, 119 Stat. 760, provided that: “This subtitle [subtitle D (§§ 431–438) of title IV of Pub. L. 109–58, enacting part C (§ 15991) of subchapter IV of this chapter, amending sections 201, 202a, 203, and 207 of Title 30, Mineral Lands and Mining, and enacting provisions set out as a note under section 201 of Title 30] may be cited as the ‘Coal Leasing Amendments Act of 2005’.”

Pub. L. 109–58, title V, § 501, Aug. 8, 2005, 119 Stat. 763, provided that: “This title [enacting subchapter V of this chapter, section 7144e of this title, and chapter 37 (§ 3501 et seq.) of Title 25, Indians, amending section 5315 of Title 5, Government Organization and Employees, and section 4132 of Title 25, and enacting provisions set out as a note under section 3501 of Title 25] may be cited as the ‘Indian Tribal Energy Development and Self-Determination Act of 2005’.”

Pub. L. 109–58, title VIII, § 801, Aug. 8, 2005, 119 Stat. 844, provided that: “This title [enacting subchapter VIII of this chapter] may be cited as the ‘Spark M. Matsunaga Hydrogen Act of 2005’.”

Pub. L. 109–58, title IX, § 901, Aug. 8, 2005, 119 Stat. 856, provided that: “This title [enacting subchapter IX of this chapter, amending sections 8101 and 8102 of Title 7, Agriculture, and section 5523 of Title 15, Commerce and Trade, enacting provisions set out as notes under section 8102 of Title 7 and section 2001 of Title 30, Mineral Lands and Mining, amending provisions set out as