2004, 118 Stat. 1675, which is classified principally 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.

The National Manufactured Housing Construction and Safety Standards Act of 1974, referred to in text, is title VI of Pub. L. 93-383, Aug. 22, 1974, 88 Stat. 700, as amended, which is classified generally to chapter 70 (§5401 et seq.) of this title. For complete classification of this Act to the Code, see Short Title note set out under section 5401 of this title and Tables.

§ 15706. Authorization of appropriations

(a) Federal Emergency Management Agency

There are authorized to be appropriated to the Federal Emergency Management Agency for carrying out this chapter-

- (1) \$5,332,000 for fiscal year 2015;
- (2) \$5,332,000 for fiscal year 2016; and
- (3) \$5,332,000 for fiscal year 2017.

(b) National Science Foundation

There are authorized to be appropriated to the National Science Foundation for carrying out this chapter-

- (1) \$9.682,000 for fiscal year 2015:
- (2) \$9,682,000 for fiscal year 2016; and
- (3) \$9,682,000 for fiscal year 2017.

(c) National Institute of Standards and Tech-

There are authorized to be appropriated to the National Institute of Standards and Technology for carrying out this chapter-

- (1) \$4,120,000 for fiscal year 2015;
- (2) \$4,120,000 for fiscal year 2016; and
- (3) \$4,120,000 for fiscal year 2017.

(d) National Oceanic and Atmospheric Administration

There are authorized to be appropriated to the National Oceanic and Atmospheric Administration for carrying out this chapter-

- (1) \$2,266,000 for fiscal year 2015;
- (2) \$2,266,000 for fiscal year 2016; and
- (3) \$2,266,000 for fiscal year 2017.

(Pub. L. 108-360, title II, §207, Oct. 25, 2004, 118 Stat. 1679; Pub. L. 114-52, §5, Sept. 30, 2015, 129 Stat. 500.)

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 principally 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.

AMENDMENTS

2015—Pub. L. 114-52 amended section generally. Prior to amendment, section authorized appropriations for fiscal years 2006 to 2008.

TRANSFER OF FUNCTIONS

For transfer of all functions, personnel, assets, components, authorities, grant programs, and liabilities of the Federal Emergency Management Agency, including the functions of the Under Secretary for Federal Emergency Management relating thereto, to the Federal Emergency Management Agency, see section 315(a)(1) of Title 6, Domestic Security.

§ 15707. Coordination

The Secretary of Commerce, the Director of the National Institute of Standards and Technology, the Director of the Office of Science and Technology Policy and the heads of other Federal departments and agencies carrying out activities under this chapter and the statutes 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 principally 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

15801. Definitions.

SUBCHAPTER I—ENERGY EFFICIENCY

Part A—Federal Programs

15811. Voluntary commitments to reduce industrial energy intensity.

Advanced building efficiency testbed. 15812.

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

Public energy education program. 15831

Energy efficiency public information initia-15832. tive

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.

Sugar Cane Ethanol Program. 15854.

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.

Sec.		Sec.		
15882.	Hydroelectric efficiency improvement.	SUBCHAPTER V—INDIAN ENERGY		
	PART D—INSULAR ENERGY	16001. Energy efficiency in federally assisted hous-		
15891.	Projects enhancing insular energy independence.	ing. SUBCHAPTER VI—NUCLEAR MATTERS		
	SUBCHAPTER III—OIL AND GAS	PART A—GENERAL NUCLEAR MATTERS		
	PART A—PRODUCTION INCENTIVES	16011. Demonstration hydrogen production at exist-		
15901. 15902. 15903. 15904.	Definition of Secretary. Program on oil and gas royalties in-kind. Marginal property production incentives. Incentives for natural gas production from deep wells in the shallow waters of the Gulf of Mexico.	ing nuclear power plants. Prohibition on assumption by United States Government of liability for certain foreign incidents. 16013. Authorization of appropriations. Standby support for certain nuclear plant		
15905.	Royalty relief for deep water production.	delays.		
15906. 15907.	North Slope Science Initiative. Orphaned, abandoned, or idled wells on Fed-	PART B—NEXT GENERATION NUCLEAR PLANT PROJECT		
	eral land.	16021. Project establishment. 16022. Project management.		
15908.	Preservation of geological and geophysical data.	16023. Project organization.		
15909. 15910.	Gas hydrate production incentive. Enhanced oil and natural gas production through carbon dioxide injection.	 16024. Nuclear Regulatory Commission. 16025. Project timelines and authorization of appropriations. 		
15911. 15912.	Denali Commission. Comprehensive inventory of OCS oil and nat-	PART C—NUCLEAR SECURITY		
10012.	ural gas resources. PART B—Access to Federal Lands	 16041. Nuclear facility and materials security. 16042. Department of Homeland Security consultation. 		
15921.	Management of Federal oil and gas leasing	SUBCHAPTER VII—VEHICLES AND FUELS		
15922.	programs. Consultation regarding oil and gas leasing on	PART A—EXISTING PROGRAMS		
15923.	public land. Methodology.	16051. Joint flexible fuel/hybrid vehicle commer-		
15924.	Project to improve Federal permit coordina-	cialization initiative.		
15925.	tion. Fair market value determinations for linear rights-of-way across public lands and na-	PART B—HYBRID VEHICLES, ADVANCED VEHICLES, AND FUEL CELL BUSES		
15926.	tional forests. Energy right-of-way corridors on Federal	SUBPART 1—HYBRID VEHICLES		
15927.	land. Oil shale, tar sands, and other strategic un-	16061. Hybrid vehicles. 16062. Domestic manufacturing conversion grant program.		
15928.	conventional fuels. Consultation regarding energy rights-of-way	SUBPART 2—ADVANCED VEHICLES		
	on public land.	16071. Pilot program. 16072. Reports to Congress.		
15041	PART C—MISCELLANEOUS	16073. Authorization of appropriations.		
15941. 15942.	Great Lakes oil and gas drilling ban. NEPA review.	SUBPART 3—FUEL CELL BUSES		
	PART D—REFINERY REVITALIZATION	16081. Fuel cell transit bus demonstration.		
15951.	Findings and definitions.	PART C—CLEAN SCHOOL BUSES		
15952.	Federal-State regulatory coordination and assistance.	16091. Clean school bus program. 16091a. Clean school bus program.		
	SUBCHAPTER IV—COAL	16092. Diesel truck retrofit and fleet modernization program.		
	PART A—CLEAN COAL POWER INITIATIVE	16093. Fuel cell school buses.		
15961. 15962.	Authorization of appropriations. Project criteria.	PART D—MISCELLANEOUS		
15963.	Report.	16101. Railroad efficiency.		
15964. 15965.	Clean coal centers of excellence. Time limit for award; extension.	16102. Diesel fueled vehicles.16103. Conserve by Bicycling Program.		
	PART B—CLEAN POWER PROJECTS	16104. Reduction of engine idling. 16105. Biodiesel engine testing program.		
15971.	Integrated coal/renewable energy system.	16106. Ultra-efficient engine technology for aircraft.		
15972.	Loan to place Alaska clean coal technology facility in service.	PART E—FEDERAL AND STATE PROCUREMENT		
15973.	Western integrated coal gasification dem- onstration project.	16121. Definitions. 16122. Federal and State procurement of fuel cell ve-		
15974.	Coal gasification.	hicles and hydrogen energy systems.		
15975. 15976.	Petroleum coke gasification. Electron scrubbing demonstration.	16123. Federal procurement of stationary, portable, and micro fuel cells.		
15977.	Department of Energy transportation fuels from Illinois basin coal.	PART F—DIESEL EMISSIONS REDUCTION		
		16131. Definitions.		
15001	PART C—FEDERAL COAL LEASES	16132. National grant, rebate, and loan programs.		
15991.	Inventory requirement.	16133. State grant, rebate, and loan programs.		

Sec.		Sec.		
16134. 16135.	Evaluation and report. Outreach and incentives.	16274a. 16275.	Integrated University Program. Department of Energy civilian nuclear infra-	
16136.	Effect of part.	10210.	structure and facilities.	
16137.	Authorization of appropriations.	16276.	Security of nuclear facilities.	
16138.	EPA authority to accept diesel emissions reduction Supplemental Environmental	16277.	Alternatives to industrial radioactive sources.	
	Projects.			
16139.	Settlement agreement provisions.		PART F—FOSSIL ENERGY	
	SUBCHAPTER VIII—HYDROGEN	16291.	Fossil energy.	
16151.	Purposes.	16291a. 16292.	Property interests. Coal and related technologies program.	
16152.	Definitions.	16293.	Carbon capture and sequestration research,	
16153. 16154.	Plan. Programs.	10004	development, and demonstration program.	
16155.	Hydrogen and Fuel Cell Technical Task	16294.	Research and development for coal mining technologies.	
	Force.	16295.	Oil and gas research programs.	
16156. 16157.	Technical Advisory Committee. Demonstration.	16296.	Low-volume oil and gas reservoir research	
16158.	Codes and standards.	program. 16297. Complex Well Technology Testing Facility.		
16159.	Disclosure.			
16160. 16161.	Reports. Solar and wind technologies.		PART G—SCIENCE	
16162.	Technology transfer.	16311. 16312.	Science. Fusion energy sciences program.	
16163.	Miscellaneous provisions.	16313.	Catalysis research program.	
16164. 16165.	Cost sharing.	16314.	Hydrogen.	
	Savings clause. APTER IX—RESEARCH AND DEVELOPMENT	16315.	Solid state lighting.	
		16316.	Advanced scientific computing research and development program.	
16181. 16182.	Goals. Definitions.	16317.	Systems biology program.	
10102.		16318.	Fission and fusion energy materials research	
	PART A—ENERGY EFFICIENCY	16319.	program. Energy and water supplies.	
16191.	Energy efficiency.	16320.	Spallation Neutron Source.	
16192. 16193.	Next Generation Lighting Initiative. National Building Performance Initiative.	16321.	Rare Isotope Accelerator.	
16194.	Building standards.	16322.	Office of Scientific and Technical Informa- tion.	
16195.	Secondary electric vehicle battery use program.	16323.	Science and engineering education pilot program.	
16196. 16197.	Energy Efficiency Science Initiative. Advanced Energy Technology Transfer Cen-	16324.	Energy research fellowships.	
10197.	ters.	16325.	Science and Technology Scholarship Program.	
PART B—DISTRIBUTED ENERGY AND ELECTRIC ENERGY SYSTEMS			PART H—INTERNATIONAL COOPERATION	
16211.	Distributed energy and electric energy systems.	16341. 16342.	Western Hemisphere energy cooperation. International energy training.	
16212. 16213.	High power density industry program. Micro-cogeneration energy technology.		I—RESEARCH ADMINISTRATION AND OPERATIONS	
16214.	Distributed energy technology demonstration	16351. 16352.	Availability of funds. Cost sharing.	
10015	programs.	16353.	Merit review of proposals.	
16215.	Electric transmission and distribution programs.	16354.	External technical review of departmental programs.	
	PART C—RENEWABLE ENERGY	16355.	National Laboratory designation.	
16231.	Renewable energy.	16356.	Report on equal employment opportunity practices.	
16232.	Bioenergy program.	16357.	Strategy and plan for science and energy fa-	
16233.	Low-cost renewable hydrogen and infrastruc- ture for vehicle propulsion.	10050	cilities and infrastructure.	
16234.	Concentrating solar power research program.	16358.	Strategic research portfolio analysis and co- ordination plan.	
16235.	Renewable energy in public buildings.	16359.	Competitive award of management contracts.	
PART	D—AGRICULTURAL BIOMASS RESEARCH AND	16360.	Western Michigan demonstration project.	
	DEVELOPMENT PROGRAMS	16361. 16362.	Arctic Engineering Research Center. Barrow Geophysical Research Facility.	
16251.	Production incentives for cellulosic biofuels.			
16252. 16253.	Education.		J—ULTRA-DEEPWATER AND UNCONVENTIONAL URAL GAS AND OTHER PETROLEUM RESOURCES	
10203.	Small business bioproduct marketing and certification grants.		16378. Repealed.	
16254.	Regional bioeconomy development grants.		CHAPTER X—DEPARTMENT OF ENERGY	
16255.	Preprocessing and harvesting demonstration grants.	aua	MANAGEMENT	
16256.	Education and outreach.	16391.	Improved technology transfer of energy technologies	
	PART E—NUCLEAR ENERGY	16392.	nologies. Technology Infrastructure Program.	
16271.	Nuclear energy.	16393.	Small business advocacy and assistance.	
16272. 16273.	Nuclear energy research programs. Advanced fuel cycle initiative.	16394. 16395.	Outreach. Relationship to other laws.	
16274.	University nuclear science and engineering	16396.	Prizes for achievement in grand challenges of	
	support.		science and technology.	

16515.

16516.

loans

mission projects.

Sec.		Sec.	
	CHAPTER XI—PERSONNEL AND TRAINING		SUBCHA
16411. 16412.	Workforce trends and traineeship grants. Training guidelines for nonnuclear electric	16521.	Report on America.
16413.	energy industry personnel. National Center for Energy Management and Building Technologies.	16522. 16523. 16524.	Low-volum Alaska nat Study on tl
16414.	National Power Plant Operations Technology and Educational Center.	SUB	CHAPTER XV
	SUBCHAPTER XII—ELECTRICITY		
	PART A—TRANSMISSION INFRASTRUCTURE MODERNIZATION	16531. 16532.	Definitions Nuclear sci institutio
16421.	Third-party finance.	16533.	Hydrocarbo sion prog
16421a. 16422.	Western Area Power Administration borrowing authority. Advanced transmission technologies.	16534.	cation. Departmen science,
16423.	Advanced Power System Technology Incentive Program.	16535.	searchers Discovery s
PART	B—Transmission Operation Improvements	16536.	institutes Protecting
16431.	Federal utility participation in transmission	10000.	(PACE) g
	organizations.	16537.	Distinguish
16432.	Study on the benefits of economic dispatch.	16538.	Advanced F
	PART C—TRANSMISSION RATE REFORM	§ 15801	. Definitions
16441.	Funding new interconnection and transmission upgrades.	Exce	pt as otherv
_		(1) D	epartment
PA	RT D—REPEAL OF PUBLIC UTILITY HOLDING COMPANY ACT OF 1935	Th	e term "De
16451.	Definitions.	men	of Energy.
16452.	Federal access to books and records.	(2) In	istitution of
16453.	State access to books and records.	(A)	In general
16454.	Exemption authority.	7	The term
16455. 16456.	Affiliate transactions. Applicability.	cat	tion" has th
16457.	Effect on other regulations.	sec	tion 1001(a)
16458.	Enforcement.	(B)	Inclusion
16459.	Savings provisions.	η	The term
16460. 16461.	Implementation. Transfer of resources.		ion'' includ
16462.	Service allocation.	Car	(i) is organ
16463.	Authorization of appropriations.	а	fter operate
PART 1	E—Market Transparency, Enforcement, and		f, to perform
1 /1101	CONSUMER PROTECTION		ut the func
16471.	Consumer privacy and unfair trade practices.	t	ions referre
	PART F—DEFINITIONS	ŀ	ii) is oper y or in cor
10401			hose organi
16481.	Commission defined.	(3) N	ational Lab
	SUBCHAPTER XIII—MISCELLANEOUS	Th	e term "Na
16491. 16492.	Energy production incentives. Regulation of certain oil used in transformers.	of th	e following ment:
16493. 16494.	National Priority Project Designation. Oxygen-fuel.	(A) Ames La B) Argonne
SUBCH	APTER XIV—ETHANOL AND MOTOR FUELS		C) Brookhav D) Fermi I
16501.	Commercial byproducts from municipal solid waste and cellulosic biomass loan guaran-	tor	,
16502. 16503.	tee program. Advanced Biofuel Technologies Program. Sugar ethanol loan guarantee program.	tor	
SUBCH	IAPTER XV—INCENTIVES FOR INNOVATIVE TECHNOLOGIES	tor	G) Lawrenc y. H) Los Alan
16511.	Definitions.		I) National
16512.	Terms and conditions.	toi	
16513. 16514	Eligible projects. Authorization of appropriations		J) National

Limitation on commitments to guarantee

Temporary program for rapid deployment of

renewable energy and electric power trans-

APTER XVI—STUDIES

- energy integration with Latin
- e gas reservoir study.
- ural gas pipeline. he benefits of economic dispatch.

VII—PROTECTING AMERICA'S E EDGE THROUGH ENERGY

- ience talent expansion program for ons of higher education.
- on systems science talent expanram for institutions of higher edu-
- t of Energy early career awards for engineering, and mathematics re-
- science and engineering innovation
- America's Competitive Edge raduate fellowship program.
- ned scientist program.
- Research Projects Agency—Energy.

wise provided, in this Act:

partment" means the Depart-

higher education

"institution of higher edune meaning given the term in of title 20.

"institution of higher edues an organization that—

- nized, and at all times thereed, exclusively for the benefit m the functions of, or to carry tions of one or more organizaed to in subparagraph (A); and
- ated, supervised, or controlled nnection with one or more of zations.

oratory

tional Laboratory" means any laboratories owned by the De-

- boratory.
- National Laboratory.
- ven National Laboratory.
- National Accelerator Labora
 - tional Laboratory.
- e Berkeley National Labora-
- e Livermore National Labora
 - nos National Laboratory.
- Energy Technology Labora-
- l Renewable Energy Labora-
- (K) Oak Ridge National Laboratory.
- (L) Pacific Northwest National Laboratory.
- (M) Princeton Plasma Physics Laboratory.