

Introduction to ITIAC

Zach Pritchard, Incoming Designated Federal Officer Industrial Technology Innovation Advisory Committee

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Energy Act of 2020

Congress Directed DOE to Establish ITIAC and Defined Your Duties

Public Law 116–260 116th Congress

Dec. 27, 2020 [H.R. 133] Making consolidated appropriations for the fiscal year ending September 30, 2021, providing coronavirus emergency response and relief, and for other purposes.

Consolidated Appropriations Act, 2021. Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE.

This Act may be cited as the "Consolidated Appropriations Act, 2021".

2020.	CEC 101 CHODE THE E. TADLE OF COMPENSES	
42 USC 17001 note.	sec. 101. Short title; table of contents. (a) Short Title.—This division may be cited as the "Energy Act of 2020". (b) Table of Contents.—The table of contents for this Act is as follows:	
	DIVISION Z—ENERGY ACT OF 2020	
	Sec. 101. Short title; table of contents.	
	TITLE I—EFFICIENCY	
	Sec. 1001. Coordination of energy retrofitting assistance for schools. Sec. 1002. Use of energy and water efficiency measures in Federal buildings. Sec. 1003. Energy efficient data centers. Sec. 1004. Energy-efficient and energy-saving information technologies. Sec. 1005. Extended Product System Rebate Program. Sec. 1006. Energy Efficient Transformer Rebate Program. Sec. 1007. Smart building acceleration. Sec. 1008. Modifications to the ceiling fan energy conservation standard. Sec. 1009. Report on electrochromic glass. Sec. 1010. Energy and water for sustainability. Sec. 1011. Weatherization Assistance Program. Sec. 1012. Federal Energy Management Program. Sec. 1013. CHP Technical Assistance Partnership Program. Sec. 1014. Smart energy water efficiency pilot program.	
	TITLE II—NUCLEAR	
	Sec. 2001. Advanced Nuclear Fuel Availability. Sec. 2002. Amendments to definitions in Energy Policy Act of 2005. Sec. 2003. Nuclear energy research, development, demonstration, and commercial	

application programs.

Sec. 2004. High-performance computation collaborative research program.

Sec. 2005. Nuclear energy budget plan.



DEVELO	PMENT PROGRAM.	REDUCTION TECHNOLOGY
		le IV of the Energy Independent of the Energy Independent of the end
	TRIAL EMISSIONS PMENT PROGRAM.	REDUCTION TECHNOLOGY 42 USC 17113.
"(a) Definitions	s.—In this section:	
"(1) Direct		SEC. 6004. INDUSTRIAL TECHNOLOGY INNOVATION ADVISORY COM-
of the Office of		MITTEE.
"(2) Eligi		(a) IN GENERAL.—Subtitle D of title IV of the Energy Independ-
"(A) a		ence and Security Act of 2007, as amended by section 6003, is
and expert "(B) a		amended by adding at the end the following:
"(C) a		
"(D) a	42 USC 17114.	"SEC. 455. INDUSTRIAL TECHNOLOGY INNOVATION ADVISORY COM-
"(E) a		MITTEE.
"(F) a		"(a) Definitions.—In this section:
described		"(1) COMMITTEE.—The term 'Committee' means the Indus-
"(3) Emiss		trial Technology Innovation Advisory Committee established
"(A)		under subsection (b).
means the		"(2) Director.—The term 'Director' means the Director
of net r atmospher		of the Office of Science and Technology Policy.
atmospher "(B) F		"(3) Emissions reduction.—The term 'emissions reduction
not includ		has the meaning given the term in section 454(a).
cipal produ		"(4) Program.—The term 'program' means the industria.
"(4) Prog		emissions reduction technology development program estab-
established un		lished under section 454(b)(1).
"(5) Criti	Deadline. Consultation.	"(b) ESTABLISHMENT.—Not later than 180 days after the date
material or m	Consultation.	of enactment of the Energy Act of 2020, the Secretary, in consulta-
an essential f		tion with the Director, shall establish an advisory committee, to
has a high ris		be known as the 'Industrial Technology Innovation Advisory Com- mittee'.
of such a ma sequences for I		"(c) MEMBERSHIP.—
"(b) Industria	Consultation.	"(1) APPOINTMENT.—The Committee shall be comprised or
MENT PROGRAM.—	Consultation.	not fewer than 16 members and not more than 20 members
"(1) IN GI		who shall be appointed by the Secretary, in consultation with
of enactment		the Director.
consultation w		"(2) Representation.—Members appointed pursuant to
agencies, Nati		paragraph (1) shall include—
higher educati		"(A) not less than 1 representative of each relevant
sions reduction		Federal agency, as determined by the Secretary;
development, advance innov		"(B) the Chair of the Secretary of Energy Advisory
"(A) in		Board, if that position is filled;
tiveness		"(C) not less than 2 representatives of labor groups
States;		"(D) not less than 3 representatives of the research
"(B)		community, which shall include academia and Nationa
United Sta		Laboratories;
"(C) a		"(E) not less than 2 representatives of nongovern-
trial sector		mental organizations; "(F) not less than 6 representatives of small- and large-
"(2) COORI		scale industry, the collective expertise of which shall cover
retary shall— "(A) c		every focus area described in section 454(c); and
ment and		"(F) not less than 1 representative of a State govern-
mone and		ment; and
	Coordination.	"(G) any other individuals the Secretary, in coordina-

Committee Charge

Summarized from 42 U.S. Code § 17113-17114

The Industrial Technology Innovation Advisory Committee was created to advise the Department of Energy on research, development, demonstration, and commercial application activities related to industrial emissions reduction technologies.

The Committee is directed to:

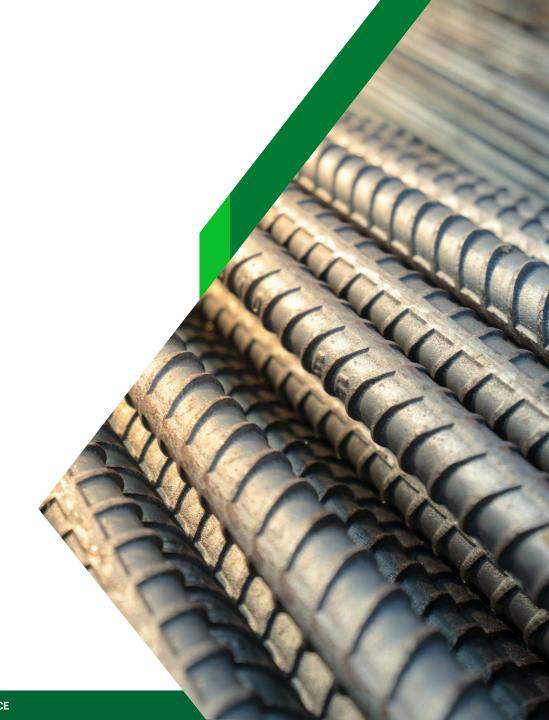
- Propose goals and objectives
- Evaluate technologies within defined focus areas
- Develop a strategic plan
- Evaluate DOE's activities
- Produce reports on findings



Technology Focus Areas

Summary of Areas in 42 U.S. Code § 17113(c)

- Industrial Materials Production Processes (iron, steel, steel mill products, aluminum, cement, glass, pulp, paper, and industrial ceramics)
- Medium and High-Temperature Heat (electrification, renewable heat, CHP, alternative fuels)
- Sustainable Chemistry
- Smart/Digital Manufacturing, Advanced Data Analytics
- Sustainability & Material Efficiency
- Energy Efficiency
- Alternative Materials with Fewer Lifecycle Emissions
- Development of Net-Zero Emissions Liquid and Gaseous Fuels
- Emissions Reductions in Shipping, Aviation, and Long-distance Transportation
- Carbon Capture Technologies for Industrial Processes
- High-Performance Computing to Develop Advanced Materials and Processes



Today, DOE will provide an overview of activities related to industrial emissions reduction.

Tomorrow, we'll discuss the committee's duties in greater depth and work towards an execution plan.

We'll use the Mural platform to help keep track of Members' input. Please join using the QR code or link emailed to you.