..... (Original Signature of Member)

116TH CONGRESS 1ST SESSION



To amend the Energy Independence and Security Act of 2007 to establish a program to incentivize innovation and to enhance the industrial competitiveness of the United States by developing technologies to reduce emissions of nonpower industrial sectors, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

Mr. Casten introduced the following bill; which was referred to the Committee on _____

A BILL

- To amend the Energy Independence and Security Act of 2007 to establish a program to incentivize innovation and to enhance the industrial competitiveness of the United States by developing technologies to reduce emissions of nonpower industrial sectors, and for other purposes.
 - 1 Be it enacted by the Senate and House of Representa-
 - 2 tives of the United States of America in Congress assembled,

3 SECTION 1. SHORT TITLE.

- 4 This Act may be cited as the "Clean Industrial Tech-
- 5 nology Act of 2019" or the "CIT Act of 2019".

 $\mathbf{2}$

1 SEC. 2. PURPOSE.

2	The purpose of this Act and the amendments made
3	by this Act is to encourage the development and evaluation
4	of innovative technologies aimed at increasing—
5	(1) the technological and economic competitive-
6	ness of industry and manufacturing in the United
7	States; and
8	(2) the emissions reduction of nonpower indus-
9	trial sectors.
10	SEC. 3. INDUSTRIAL EMISSIONS REDUCTION TECHNOLOGY
11	DEVELOPMENT PROGRAM.
12	(a) IN GENERAL.—The Energy Independence and
13	Security Act of 2007 is amended by inserting after section
14	453 (42 U.S.C. 17112) the following:
15	"SEC. 454. INDUSTRIAL EMISSIONS REDUCTION TECH-
16	NOLOGY DEVELOPMENT PROGRAM.
17	"(a) DEFINITIONS.—In this section:
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18	(a) DEFINITIONS.—In this section. (1) DIRECTOR.—The term 'Director' means
18 19	
	"(1) DIRECTOR.—The term 'Director' means
19	"(1) DIRECTOR.—The term 'Director' means the Director of the Office of Science and Technology
19 20	"(1) DIRECTOR.—The term 'Director' means the Director of the Office of Science and Technology Policy.
19 20 21	 "(1) DIRECTOR.—The term 'Director' means the Director of the Office of Science and Technology Policy. "(2) ELIGIBLE ENTITY.—The term 'eligible en-
19 20 21 22	 "(1) DIRECTOR.—The term 'Director' means the Director of the Office of Science and Technology Policy. "(2) ELIGIBLE ENTITY.—The term 'eligible en- tity' means—
 19 20 21 22 23 	 "(1) DIRECTOR.—The term 'Director' means the Director of the Office of Science and Technology Policy. "(2) ELIGIBLE ENTITY.—The term 'eligible entity' means— "(A) a scientist or other individual with

1	"(D) a National Laboratory;
2	"(E) a private entity; and
3	"(F) a partnership or consortium of 2 or
4	more entities described in subparagraphs (B)
5	through (E).
6	"(3) Emissions reduction.—
7	"(A) IN GENERAL.—The term 'emissions
8	reduction' means the reduction, to the max-
9	imum extent practicable, of net nonwater green-
10	house gas emissions to the atmosphere by en-
11	ergy services and industrial processes.
12	"(B) EXCLUSION.—The term 'emissions
13	reduction' does not include the elimination of
14	carbon embodied in the principal products of in-
15	dustrial manufacturing.
16	"(4) INSTITUTION OF HIGHER EDUCATION.—
17	The term 'institution of higher education' has the
18	meaning given the term in section 101 of the Higher
19	Education Act of 1965 (20 U.S.C. 1001).
20	"(5) Program.—The term 'program' means
21	the program established under subsection $(b)(1)$.
22	"(b) Industrial Emissions Reduction Tech-
23	NOLOGY DEVELOPMENT PROGRAM.—
24	"(1) IN GENERAL.—Not later than 1 year after
25	the date of enactment of the CIT Act of 2019, the

1	Secretary, in coordination with the Director and in
2	consultation with the heads of relevant Federal
3	agencies, National Laboratories, industry, and insti-
4	tutions of higher education, shall establish a cross-
5	cutting industrial emissions reduction technology de-
6	velopment program of research, development, dem-
7	onstration, and commercial application to further
8	the development and commercialization of innovative
9	technologies that—
10	"(A) increase the technological and eco-
11	nomic competitiveness of industry and manufac-
12	turing in the United States; and
13	"(B) achieve emissions reduction in
14	nonpower industrial sectors.
15	"(2) COORDINATION.—In carrying out the pro-
16	gram, the Secretary shall—
17	"(A) coordinate with each relevant office in
18	the Department and any other Federal agency;
19	"(B) coordinate and collaborate with the
20	Industrial Technology Innovation Advisory
21	Committee established under section 455; and
22	"(C) coordinate with the energy-intensive
23	industries program established under section
24	452.

1	"(3) Leverage of existing resources.—In
2	carrying out the program, the Secretary shall lever-
3	age, to the maximum extent practicable—
4	"(A) existing resources and programs of
5	the Department and other relevant Federal
6	agencies; and
7	"(B) public-private partnerships.
8	"(c) Focus Areas.—The program shall focus on—
9	"(1) industrial production processes, including
10	technologies and processes that—
11	"(A) achieve emissions reduction in high-
12	emissions industrial materials production proc-
13	esses, including production processes for iron,
14	steel, steel mill products, aluminum, cement,
15	glass, pulp, paper, and industrial ceramics;
16	"(B) achieve emissions reduction in
17	medium- and high-temperature heat generation,
18	including—
19	"(i) through electrification of heating
20	processes;
21	"(ii) through renewable heat genera-
22	tion technology;
23	"(iii) through combined heat and
24	power; and

1	"(iv) by switching to alternative fuels,
2	including hydrogen;
3	"(C) achieve emissions reduction in chem-
4	ical production processes;
5	"(D) leverage smart manufacturing tech-
6	nologies and principles, digital manufacturing
7	technologies, and advanced data analytics to de-
8	velop advanced technologies and practices in in-
9	formation, automation, monitoring, computa-
10	tion, sensing, modeling, and networking that—
11	"(i) simulate manufacturing produc-
12	tion lines;
13	"(ii) monitor and communicate pro-
14	duction line status;
15	"(iii) manage and optimize energy
16	productivity and cost throughout produc-
17	tion; and
18	"(iv) model, simulate, and optimize
19	the energy efficiency of manufacturing
20	processes;
21	"(E) leverage the principles of sustainable
22	manufacturing to minimize the negative envi-
23	ronmental impacts of manufacturing while con-
24	serving energy and resources, including—

1	"(i) by designing products that enable
2	reuse, refurbishment, remanufacturing,
3	and recycling;
4	"(ii) by minimizing waste from indus-
5	trial processes; and
6	"(iii) by reducing resource intensity;
7	and
8	"(F) increase the energy efficiency of in-
9	dustrial processes;
10	((2) alternative materials that produce fewer
11	emissions during production and result in fewer
12	emissions during use, including—
13	"(A) innovative building materials;
14	"(B) high-performance lightweight mate-
15	rials; and
16	"(C) substitutions for critical materials
17	and minerals;
18	"(3) development of net-zero emissions liquid
19	and gaseous fuels;
20	"(4) emissions reduction in shipping, aviation,
21	and long distance transportation, including through
22	the use of alternative fuels;
23	"(5) carbon capture technologies for industrial
24	processes;

 vanced materials and manufacturing processes consistent in tributing to the focus areas described in paragraphs (1) through (5), including— "(A) modeling, simulation, and optimization of the design of energy efficient and sussistent tribution of the design of energy efficient and sussistent tribution of the design of energy efficient and sussistent tribution of the design of energy efficient and sussistent tribution of the design of energy efficient and sussistent tribution of the design of energy efficient and sussistent tribution of the design of energy efficient and sussistent tribution of the design of energy efficient and sussistent tribution of the design of energy efficient and sussistent tribution of the design of energy efficient and sussistent tribution. (B) the use of digital prototyping and ad ditive manufacturing to enhance product design; and "(B) the use of digital prototyping and ad ditive manufacturing to enhance product design; and "(7) other technologies that achieve net-zero emissions in nonpower industrial sectors as determined by Secretary in coordination with the Direct tor. "(d) GRANTS, CONTRACTS, COOPERATIVE AGREE MENTS, AND DEMONSTRATION PROJECTS.— "(1) GRANTS.—In carrying out the program the Secretary shall award grants on a competitive basis to eligible entities for projects that the Secretary basis to eligible entities for projects that the Secretary basis to eligible entities for projects that the Secretary basis to eligible entities for projects that the Secretary basis to eligible entities for projects that the Secretary basis to eligible entities for projects that the Secretary basis to eligible entities for projects that the Secretary basis to eligible entities for projects that the Secretary basis to eligible entities for projects that the Secretary basis to eligible entities for projects that the Secretary basis to eligible entities for projects that the Secretary basis to eligible entities for p	d-
 (1) through (5), including— "(A) modeling, simulation, and optimiza tion of the design of energy efficient and sus tainable products; and "(B) the use of digital prototyping and ad ditive manufacturing to enhance product de sign; and "(7) other technologies that achieve net-zero emissions in nonpower industrial sectors as deter mined by Secretary in coordination with the Direct tor. "(d) GRANTS, CONTRACTS, COOPERATIVE AGREE MENTS, AND DEMONSTRATION PROJECTS.— "(1) GRANTS.—In carrying out the program the Secretary shall award grants on a competitive 	1-
 5 "(A) modeling, simulation, and optimization of the design of energy efficient and sustainable products; and 7 tainable products; and 8 "(B) the use of digital prototyping and ad 9 ditive manufacturing to enhance product de 10 sign; and 11 "(7) other technologies that achieve net-zero 12 emissions in nonpower industrial sectors as deter 13 mined by Secretary in coordination with the Direct 14 tor. 15 "(d) GRANTS, CONTRACTS, COOPERATIVE AGREE 16 MENTS, AND DEMONSTRATION PROJECTS.— 17 "(1) GRANTS.—In carrying out the program the Secretary shall award grants on a competitive 	ıs
 tion of the design of energy efficient and sus tainable products; and "(B) the use of digital prototyping and ad ditive manufacturing to enhance product de sign; and "(7) other technologies that achieve net-zero emissions in nonpower industrial sectors as deter mined by Secretary in coordination with the Direce tor. "(d) GRANTS, CONTRACTS, COOPERATIVE AGREE MENTS, AND DEMONSTRATION PROJECTS.— "(1) GRANTS.—In carrying out the program the Secretary shall award grants on a competitive 	
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8 "(B) the use of digital prototyping and ad 9 ditive manufacturing to enhance product de 10 sign; and 11 "(7) other technologies that achieve net-zero 12 emissions in nonpower industrial sectors as deter 13 mined by Secretary in coordination with the Direc 14 tor. 15 "(d) GRANTS, CONTRACTS, COOPERATIVE AGREE 16 MENTS, AND DEMONSTRATION PROJECTS.— 17 "(1) GRANTS.—In carrying out the program 18 the Secretary shall award grants on a competitive	s-
 9 ditive manufacturing to enhance product de 10 sign; and 11 "(7) other technologies that achieve net-zero 12 emissions in nonpower industrial sectors as deter 13 mined by Secretary in coordination with the Direc 14 tor. 15 "(d) GRANTS, CONTRACTS, COOPERATIVE AGREE 16 MENTS, AND DEMONSTRATION PROJECTS.— 17 "(1) GRANTS.—In carrying out the program 18 the Secretary shall award grants on a competitive 	
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18 the Secretary shall award grants on a competitive	
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19 basis to eligible entities for projects that the Sec	<i>v</i> e
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20 retary determines would best achieve the goals of the	ıe
21 program.	
22 "(2) Contracts and cooperative agree	3-
23 MENTS.—In carrying out the program, the Secretary	у
24 may enter into contracts and cooperative agreement	ts
25 with eligible entities and Federal agencies for)r

projects that the Secretary determines would further
 the purposes of the program.

3 "(3) DEMONSTRATION PROJECTS.—In sup4 porting technologies developed under this section,
5 the Secretary shall fund demonstration projects that
6 test and validate technologies described in subsection
7 (c).

8 "(4) APPLICATION.—An entity seeking funding 9 or a contract or agreement under this subsection 10 shall submit to the Secretary an application at such 11 time, in such manner, and containing such informa-12 tion as the Secretary may require.

13 "(5) COST SHARING.—In awarding funds under
14 this section, the Secretary shall require cost sharing
15 in accordance with section 988 of the Energy Policy
16 Act of 2005 (42 U.S.C. 16352).

17 "(e) AUTHORIZATION OF APPROPRIATIONS.—

18 "(1) IN GENERAL.—There are authorized to be
appropriated to the Secretary such sums as are necessary to carry out this section for each fiscal year
during which the program is in effect.

22 "(2) DEMONSTRATION PROJECTS.—Of the
23 amount appropriated under paragraph (1), not more
24 than \$650,000,000 shall be used to carry out dem25 onstration projects under subsection (d)(3).".

(b) TECHNICAL AMENDMENT.—The table of contents 1 2 of the Energy Independence and Security Act of 2007 3 (Public Law 110–140; 121 Stat. 1494) is amended by in-4 serting after the item relating to section 453 the following: "Sec. 454. Industrial emissions reduction technology development program.". 5 SEC. 4. INDUSTRIAL TECHNOLOGY INNOVATION ADVISORY 6 **COMMITTEE.** 7 (a) IN GENERAL.—The Energy Independence and Security Act of 2007 is amended by inserting after section 8 454 (as added by section 3(a)) the following: 9 10 "SEC. 455. INDUSTRIAL TECHNOLOGY INNOVATION ADVI-11 SORY COMMITTEE. 12 "(a) DEFINITIONS.—In this section: 13 ((1))COMMITTEE.—The term 'Committee' 14 means the Industrial Technology Innovation Advi-15 sory Committee established under subsection (b). 16 "(2) DIRECTOR.—The term 'Director' means 17 the Director of the Office of Science and Technology 18 Policy. 19 "(3) Emissions reduction.—The term 'emis-20 sions reduction' has the meaning given the term in 21 section 454(a). 22 "(4) PROGRAM.—The term 'program' means 23 the industrial emissions reduction technology devel-24 established opment program under section 25 454(b)(1).

1	"(b) ESTABLISHMENT.—Not later than 180 days
2	after the date of enactment of the CIT Act of 2019, the
3	Secretary, in coordination with the Director, shall estab-
4	lish an advisory committee, to be known as the 'Industrial
5	Technology Innovation Advisory Committee'.
6	"(c) Membership.—
7	"(1) APPOINTMENT.—The Committee shall be
8	comprised of not fewer than 14 members, who shall
9	be appointed by the Secretary, in coordination with
10	the Director.
11	"(2) Representation.—Members appointed
12	pursuant to paragraph (1) shall include—
13	"(A) not less than 1 representative of each
14	relevant Federal agency, as determined by the
15	Secretary;
16	"(B) not less than 2 representatives of
17	labor groups;
18	"(C) not less than 3 representatives of the
19	research community, which shall include aca-
20	demia and National Laboratories;
21	"(D) not less than 2 representatives of
22	nongovernmental organizations;
23	((E) not less than 6 representatives of in-
24	dustry, the collective expertise of which shall

1	cover every focus area described in section
2	454(c); and
3	"(F) any other individual whom the Sec-
4	retary, in coordination with the Director, deter-
5	mines to be necessary to ensure that the Com-
6	mittee is comprised of a diverse group of rep-
7	resentatives of industry, academia, independent
8	researchers, and public and private entities.
9	"(3) CHAIR.—The Secretary shall designate a
10	member of the Committee to serve as Chair.
11	"(d) DUTIES.—
12	"(1) IN GENERAL.—The Committee shall—
13	"(A) in consultation with the Secretary
14	and the Director, develop the missions and
15	goals of the program, which shall be consistent
16	with the purposes of the program described in
17	section $454(b)(1)$; and
18	"(B) advise the Secretary and the Director
19	with respect to the program—
20	"(i) by identifying and evaluating any
21	technologies being developed by the private
22	sector relating to the focus areas described
23	in section 454(c);
24	"(ii) by identifying technology gaps in
25	the private sector in those focus areas, and

1	making recommendations to address those
2	gaps;
3	"(iii) by surveying and analyzing fac-
4	tors that prevent the adoption of emissions
5	reduction technologies by the private sec-
6	tor; and
7	"(iv) by recommending technology
8	screening criteria for technology developed
9	under the program to encourage adoption
10	of the technology by the private sector; and
11	"(C) develop the roadmap described in
12	paragraph (2).
13	"(2) Emissions reduction roadmap.—
14	"(A) PURPOSE.—The purpose of the road-
15	map developed under paragraph $(1)(C)$ is to
16	achieve the goals of the program in the focus
17	areas described in section 454(c).
18	"(B) CONTENTS.—The roadmap developed
19	under paragraph (1)(C) shall—
20	"(i) specify near-term and long-term
21	qualitative and quantitative objectives re-
22	lating to each focus area described in sec-
23	tion 454(c), including research, develop-
24	ment, demonstration, and commercial ap-
25	plication objectives;

1	"(ii) specify the anticipated timeframe
2	for achieving the objectives specified under
3	clause (i);
4	"(iii) include plans for developing
5	emissions reduction technologies that are
6	globally cost-competitive; and
7	"(iv) identify the appropriate role for
8	investment by the Federal Government, in
9	coordination with the private sector, to
10	achieve the objectives specified under
11	clause (i).
12	"(e) Meetings.—
13	"(1) FREQUENCY.—The Committee shall meet
14	not less frequently than 2 times per year, at the call
15	of the Chair.
16	"(2) INITIAL MEETING.—Not later than 30
17	days after the date on which the members are ap-
18	pointed under subsection (b), the Committee shall
19	hold its first meeting.
20	"(f) Committee Report.—
21	"(1) IN GENERAL.—Not later than 2 years
22	after the date of enactment of the CIT Act of 2019,
23	and not less frequently than once every 3 years
24	thereafter, the Committee shall submit to the Sec-

1	retary a report on the progress of achieving the pur-
2	poses of the program.
3	"(2) CONTENTS.—The report under paragraph
4	(1) shall include—
5	"(A) a description of any technology inno-
6	vation opportunities identified by the Com-
7	mittee;
8	"(B) a description of any technology gaps
9	identified by the Committee under subsection
10	(d)(1)(B)(ii);
11	"(C) recommendations for improving tech-
12	nology screening criteria and management of
13	the program;
14	"(D) an evaluation of the progress of the
15	program and the research and development
16	funded under the program;
17	"(E) any recommended changes to the
18	focus areas of the program described in section
19	454(c);
20	"(F) a description of the manner in which
21	the Committee has carried out the duties de-
22	scribed in subsection $(d)(1)$ and any relevant
23	findings as a result of carrying out those duties;
24	"(G) the roadmap developed by the Com-
25	mittee under subsection $(d)(1)(C)$;

1	"(H) the progress made in achieving the
2	goals set out in that roadmap;
3	"(I) a review of the management, coordina-
4	tion, and industry utility of the program;
5	"(J) an assessment of the extent to which
6	progress has been made under the program in
7	developing commercial, cost-competitive tech-
8	nologies in each focus area described in section
9	454(c); and
10	"(K) an assessment of the effectiveness of
11	the program in coordinating efforts within the
12	Department and with other Federal agencies to
13	achieve the purposes of the program.
13 14	achieve the purposes of the program. "(g) REPORT TO CONGRESS.—Not later than 60 days
14	"(g) REPORT TO CONGRESS.—Not later than 60 days
14 15 16	"(g) REPORT TO CONGRESS.—Not later than 60 days after receiving a report from the Committee under sub-
14 15 16 17	"(g) REPORT TO CONGRESS.—Not later than 60 days after receiving a report from the Committee under sub- section (f), the Secretary shall submit a copy of that re-
14 15 16 17	"(g) REPORT TO CONGRESS.—Not later than 60 days after receiving a report from the Committee under sub- section (f), the Secretary shall submit a copy of that re- port to the Committee on Science, Space, and Technology
14 15 16 17 18	"(g) REPORT TO CONGRESS.—Not later than 60 days after receiving a report from the Committee under sub- section (f), the Secretary shall submit a copy of that re- port to the Committee on Science, Space, and Technology of the House of Representatives, the Committee on En-
14 15 16 17 18 19	"(g) REPORT TO CONGRESS.—Not later than 60 days after receiving a report from the Committee under sub- section (f), the Secretary shall submit a copy of that re- port to the Committee on Science, Space, and Technology of the House of Representatives, the Committee on En- ergy and Natural Resources of the Senate, and any other
 14 15 16 17 18 19 20 	"(g) REPORT TO CONGRESS.—Not later than 60 days after receiving a report from the Committee under sub- section (f), the Secretary shall submit a copy of that re- port to the Committee on Science, Space, and Technology of the House of Representatives, the Committee on En- ergy and Natural Resources of the Senate, and any other relevant Committee of Congress.
 14 15 16 17 18 19 20 21 	"(g) REPORT TO CONGRESS.—Not later than 60 days after receiving a report from the Committee under sub- section (f), the Secretary shall submit a copy of that re- port to the Committee on Science, Space, and Technology of the House of Representatives, the Committee on En- ergy and Natural Resources of the Senate, and any other relevant Committee of Congress. "(h) APPLICABILITY OF FEDERAL ADVISORY COM-

1	(b) TECHNICAL AMENDMENT.—The table of contents
2	of the Energy Independence and Security Act of 2007
3	(Public Law 110–140; 121 Stat. 1494) (as amended by
4	section 3(b)) is amended by inserting after the item relat-
5	ing to section 454 the following:
	"Sec. 455. Industrial Technology Innovation Advisory Committee.".
6	SEC. 5. TECHNICAL ASSISTANCE PROGRAM TO IMPLEMENT
7	INDUSTRIAL EMISSIONS REDUCTION.
8	(a) IN GENERAL.—The Energy Independence and
9	Security Act of 2007 is amended by inserting after section
10	455 (as added by section $4(a)$) the following:
11	"SEC. 456. TECHNICAL ASSISTANCE PROGRAM TO IMPLE-
12	MENT INDUSTRIAL EMISSIONS REDUCTION.
13	"(a) DEFINITIONS.—In this section:
14	"(1) ELIGIBLE ENTITY.—The term 'eligible en-
14 15	"(1) ELIGIBLE ENTITY.—The term 'eligible en- tity' means—
15	tity' means—
15 16	tity' means— "(A) a State;
15 16 17	tity' means— ''(A) a State; ''(B) a unit of local government;
15 16 17 18	tity' means— "(A) a State; "(B) a unit of local government; "(C) a territory or possession of the
15 16 17 18 19	tity' means— "(A) a State; "(B) a unit of local government; "(C) a territory or possession of the United States;
15 16 17 18 19 20	tity' means— "(A) a State; "(B) a unit of local government; "(C) a territory or possession of the United States; "(D) a relevant State or local office, in-
 15 16 17 18 19 20 21 	<pre>tity' means—</pre>
 15 16 17 18 19 20 21 22 	 tity' means— "(A) a State; "(B) a unit of local government; "(C) a territory or possession of the United States; "(D) a relevant State or local office, including an energy office; "(E) a tribal organization (as defined in

1	"(G) a private entity.
2	"(2) Emissions reduction.—The term 'emis-
3	sions reduction' has the meaning given the term in
4	section $454(a)$.
5	"(3) INSTITUTION OF HIGHER EDUCATION.—
6	The term 'institution of higher education' has the
7	meaning given the term in section 101 of the Higher
8	Education Act of 1965 (20 U.S.C. 1001).
9	"(4) PROGRAM.—The term 'program' means
10	the program established under subsection (b).
11	"(b) Establishment.—Not later than 180 days
12	after the date of enactment of the CIT Act of 2019, the
13	Secretary shall establish a program to provide technical
14	assistance to eligible entities to carry out an activity de-
15	scribed in subsection (c).
16	"(c) ACTIVITIES DESCRIBED.—An activity referred
17	to in subsection (b) is any of the following activities car-
18	ried out for the purpose of achieving emissions reduction
19	in nonpower industrial sectors:
20	"(1) Adopting emissions reduction technologies.
21	((2) Establishing goals and priorities to accel-
22	erate the development and evaluation of relevant
23	technologies.

1	"(3) Developing collaborations across States,
2	local governments, and territories and possessions of
3	the United States.
4	"(4) Reviewing the appropriate emissions re-
5	duction options for a particular eligible entity.
6	"(5) Developing a roadmap for emissions reduc-
7	tion for a particular eligible entity.
8	"(6) Any other activity determined appropriate
9	by the Secretary.
10	"(d) Applications.—
11	"(1) IN GENERAL.—An eligible entity desiring
12	technical assistance under the program shall submit
13	to the Secretary an application at such time, in such
14	manner, and containing such information as the Sec-
15	retary may require.
16	"(2) Application process.—The Secretary
17	shall seek applications for technical assistance under
18	the program on a periodic basis, but not less fre-
19	quently than once every 12 months.
20	"(3) PRIORITIES.—In selecting eligible entities
21	for technical assistance under the program, the Sec-
22	retary shall give priority to an eligible entity—
23	"(A) carrying out an activity that has the
24	greatest potential for achieving emissions reduc-
25	tion in nonpower industrial sectors;

1	"(B) located in a State that has histori-
2	cally relied on industrial sectors for a substan-
3	tial portion of the State economy, as deter-
4	mined by the Secretary, taking into account
5	employment data, per capita income, and other
6	indicators of economic output in the State; or
7	"(C) located in a State that has experi-
8	enced significant decline in the economic con-
9	tribution of industry to the State.
10	"(e) Authorization of Appropriations.—There
11	are authorized to be appropriated to the Secretary such
12	sums as are necessary to carry out this section for each
13	fiscal year during which the program is in effect.".
14	(b) TECHNICAL AMENDMENT.—The table of contents
15	of the Energy Independence and Security Act of 2007
16	(Public Law 110–140; 121 Stat. 1494) (as amended by
17	section 4(b)) is amended by inserting after the item relat-
18	ing to section 455 the following:
	"Sec. 456. Technical assistance program to implement industrial emissions re- duction.".
19	SEC. 6. COORDINATION OF RESEARCH AND DEVELOPMENT
20	OF ENERGY EFFICIENT TECHNOLOGIES FOR
21	INDUSTRY.
22	
	Section 6(a) of the American Energy Manufacturing
23	Section 6(a) of the American Energy Manufacturing Technical Corrections Act (42 U.S.C. 6351(a)) is amend-

(1) by striking "Industrial Technologies Pro gram" each place it appears and inserting "Ad vanced Manufacturing Office"; and
 (2) in the matter preceding paragraph (1), by
 striking "Office of Energy" and all that follows
 through "Office of Science" and inserting "Depart ment of Energy".