

AMENDMENT TO RULES COMMITTEE PRINT

116-63

OFFERED BY MR. LIPINSKI OF ILLINOIS

Page 9, after the item relating to item section 12606, add the following:

Sec. 12607. Low-Dose-Radiation Research

At the end of subtitle F of title XII, add the following:

1 SEC. 12607. LOW-DOSE-RADIATION RESEARCH.

2 Section 306(c) of the Department of Energy Re-
3 search and Innovation Act (42 U.S.C. 18644(c)) is
4 amended to read as follows:

5 “(c) LOW-DOSE-RADIATION RESEARCH PROGRAM.—

6 “(1) IN GENERAL.—The Secretary shall carry
7 out a research program on low-dose and low dose-
8 rate radiation to—

9 “(A) enhance the scientific understanding
10 of, and reduce uncertainties associated with, the
11 effects of exposure to low-dose and low dose-
12 rate radiation; and

13 “(B) inform improved risk-assessment and
14 risk-management methods with respect to such
15 radiation.

1 “(2) PROGRAM COMPONENTS.—In carrying out
2 the program required under paragraph (1), the Sec-
3 retary shall—

4 “(A) support and carry out the directives
5 under section 106 of the American Innovation
6 and Competitiveness Act (42 U.S.C. 6601
7 note), with respect to low dose and low-dose
8 rate radiation research, in coordination with the
9 Physical Science Subcommittee of the National
10 Science and Technology Council;

11 “(B) identify and, to the extent possible,
12 quantify, potential monetary and health-related
13 impacts to Federal agencies, the general public,
14 industry, research communities, and other users
15 of information produced by such research pro-
16 gram;

17 “(C) leverage the collective body of knowl-
18 edge from prior and existing low-dose and low
19 dose-rate radiation research;

20 “(D) engage with other Federal agencies,
21 research communities, and potential users of in-
22 formation produced under this section, includ-
23 ing institutions performing or utilizing radiation
24 research, medical physics, radiology, health
25 physics, and emergency response measures; and

1 “(E) support education and outreach ac-
2 tivities to disseminate information and promote
3 public understanding of low-dose radiation, with
4 a focus on non-emergency situations such as
5 medical physics, space exploration, and natu-
6 rally occurring radiation.

7 “(3) RESEARCH PLAN.—

8 “(A) NATIONAL ACADEMY OF SCIENCES.—
9 Not later than 90 days after the date of enact-
10 ment of this Act, the Secretary shall enter into
11 an agreement with the National Academy of
12 Sciences to develop a long-term strategic and
13 prioritized research agenda for the program de-
14 scribed in paragraph (2);

15 “(B) CONGRESS.—Not later than 18
16 months after the date of enactment of this Act,
17 the Secretary shall submit the research plan de-
18 veloped under subparagraph (A) to the Com-
19 mittee on Science, Space, and Technology of
20 the House of Representatives and the Com-
21 mittee on Energy and Natural Resources of the
22 Senate.

23 “(4) PROGRAM EVALUATION.—

24 “(A) INDEPENDENT EXTERNAL ENTITY.—
25 Not later than 3 years after the date of enact-

1 ment of this Act, and every 2 years thereafter,
2 the Secretary shall enter into agreements with
3 an independent external entity to perform a
4 program evaluation.

5 “(B) CONGRESS.—The Secretary shall
6 submit the program evaluations performed
7 under subparagraph (A) to the Committee on
8 Science, Space, and Technology of the House of
9 Representatives and the Committee on Energy
10 and Natural Resources of the Senate.

11 “(5) DEFINITIONS.—In this subsection:

12 “(A) LOW-DOSE RADIATION.—The term
13 ‘low-dose radiation’ means a radiation dose of
14 less than 100 millisieverts.

15 “(B) LOW DOSE-RATE RADIATION.—The
16 term ‘low dose-rate radiation’ means a radiation
17 dose rate of less than 5 millisieverts per hour.

18 “(6) RULE OF CONSTRUCTION.—Nothing in
19 this subsection shall be construed to subject any re-
20 search carried out by the Secretary for the program
21 under this subsection to any limitations described in
22 section 977(e) of the Energy Policy Act of 2005 (42
23 U.S.C. 16317(e)).

1 “(7) FUNDING.—There are authorized to be ap-
2 propriated to the Secretary to carry out the program
3 under this subsection—

4 “(A) \$20,000,000 for fiscal year 2021;

5 “(B) \$30,000,000 for fiscal year 2022;

6 “(C) \$40,000,000 for fiscal year 2023; and

7 “(D) \$50,000,000 for fiscal year 2024.”.

