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(Original Signature of Member)

115TH CONGRESS
1ST SESSION

H. R.

To require the Secretary of Energy to initiate the development of voluntary model pathways for modernizing the electric grid, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

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

A BILL

To require the Secretary of Energy to initiate the development of voluntary model pathways for modernizing the electric grid, 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. VOLUNTARY MODEL PATHWAYS.**

4 (a) ESTABLISHMENT OF VOLUNTARY MODEL PATH-
5 WAYS.—

6 (1) ESTABLISHMENT.—Not later than 90 days
7 after the date of enactment of this Act, the Sec-
8 retary shall initiate the development of voluntary

1 model pathways for modernizing the electric grid
2 through a collaborative, public-private effort that—

3 (A) produces illustrative policy pathways
4 that can be adapted for State and regional ap-
5 plications by regulators and policymakers;

6 (B) facilitates the modernization of the
7 electric grid to achieve the objectives described
8 in paragraph (2);

9 (C) ensures a reliable, resilient, affordable,
10 safe, and secure electric system; and

11 (D) acknowledges and provides for dif-
12 ferent priorities, electric systems, and rate
13 structures across States and regions.

14 (2) OBJECTIVES.—The pathways established
15 under paragraph (1) shall facilitate achievement of
16 the following objectives:

17 (A) Near real-time situational awareness of
18 the electric system.

19 (B) Data visualization.

20 (C) Advanced monitoring and control of
21 the advanced electric grid.

22 (D) Enhanced certainty for private invest-
23 ment in the electric system.

24 (E) Increased innovation.

25 (F) Greater consumer empowerment.

1 (G) Enhanced grid resilience, reliability,
2 and robustness.

3 (H) Improved—

4 (i) integration of distributed energy
5 resources;

6 (ii) interoperability of the electric sys-
7 tem; and

8 (iii) predictive modeling and capacity
9 forecasting.

10 (3) STEERING COMMITTEE.—Not later than 90
11 days after the date of enactment of this Act, the
12 Secretary shall establish a steering committee to fa-
13 cilitate the development of the pathways under para-
14 graph (1), to be composed of members appointed by
15 the Secretary, consisting of persons with appropriate
16 expertise representing a diverse range of interests in
17 the public, private, and academic sectors, including
18 representatives of—

19 (A) the Smart Grid Task Force established
20 under section 1303 of the Energy Independence
21 and Security Act of 2007 (42 U.S.C. 17383);
22 and

23 (B) the Smart Grid Advisory Committee
24 established under section 1303 of the Energy

1 Independence and Security Act of 2007 (42
2 U.S.C. 17383).

3 (b) TECHNICAL ASSISTANCE.—The Secretary may
4 provide technical assistance to States, Indian tribes, or
5 units of local government to adopt 1 or more elements of
6 the pathways developed under subsection (a)(1).

7 (c) DEFINITION OF SECRETARY.—In this section, the
8 term “Secretary” means the Secretary of Energy.