

115TH CONGRESS
1ST SESSION

H. R. 3290

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

JULY 18, 2017

Mr. MCNERNEY (for himself and Mr. LATTA) introduced the following bill;
which was referred to the Committee on Energy and Commerce

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

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

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

7 (C) ensures a reliable, resilient, affordable,
8 safe, and secure electric system; and

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

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

15 (A) Near real-time situational awareness of
16 the electric system.

17 (B) Data visualization.

18 (C) Advanced monitoring and control of
19 the advanced electric grid.

20 (D) Enhanced certainty for private invest-
21 ment in the electric system.

22 (E) Increased innovation.

23 (F) Greater consumer empowerment.

24 (G) Enhanced grid resilience, reliability,
25 and robustness.

1 (H) Improved—

2 (i) integration of distributed energy
3 resources;

4 (ii) interoperability of the electric sys-
5 tem; and

6 (iii) predictive modeling and capacity
7 forecasting.

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

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

21 (B) the Smart Grid Advisory Committee
22 established under section 1303 of the Energy
23 Independence and Security Act of 2007 (42
24 U.S.C. 17383).

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

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

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