

AMENDMENT NO. _____ Calendar No. _____

Purpose: To improve the marine energy research and development program and require a study of energy innovation in marine transportation and infrastructure resilience.

IN THE SENATE OF THE UNITED STATES—116th Cong., 1st Sess.

S. 1821

To amend the Energy Independence and Security Act of 2007 to provide for research on, and the development and deployment of, marine energy, and for other purposes.

Referred to the Committee on _____ and
ordered to be printed

Ordered to lie on the table and to be printed

AMENDMENTS intended to be proposed by _____

Viz:

- 1 On page 6, line 14, strike “and”.
- 2 On page 7, line 2, strike “abroad.” and insert
- 3 “abroad; and”.
- 4 On page 7, between lines 2 and 3, insert the fol-
- 5 lowing:
- 6 “(14) to assist in the development of technology
- 7 necessary to support the use of marine energy—

1 “(A) for the generation and storage of
2 power at sea, including in applications relating
3 to—

4 “(i) ocean observation and navigation;

5 “(ii) underwater vehicle charging;

6 “(iii) marine aquaculture;

7 “(iv) production of marine algae; and

8 “(v) extraction of critical minerals
9 and gasses from seawater;

10 “(B) for the generation and storage of
11 power to promote the resilience of coastal com-
12 munities, including in applications relating to—

13 “(i) desalination;

14 “(ii) disaster recovery and resilience;

15 and

16 “(iii) community microgrids in iso-
17 lated power systems; and

18 “(C) in any other applications, as deter-
19 mined by the Secretary.

20 On page 9, line 17, strike “\$150,000,000” and insert
21 “\$160,000,000”.

22 On page 9, after line 18, insert the following:

1 **SEC. 7. STUDY OF ENERGY INNOVATION IN MARINE TRANS-**
2 **PORTATION AND INFRASTRUCTURE RESIL-**
3 **IENCE.**

4 (a) IN GENERAL.—The Secretary of Energy, in con-
5 sultation with the Secretary of Transportation and the
6 Secretary of Commerce, shall conduct a study to examine
7 opportunities for research and development in advanced
8 marine energy technologies—

9 (1) to support the maritime transportation sec-
10 tor to enhance job creation, economic development,
11 and competitiveness;

12 (2) to support associated maritime energy infra-
13 structure, including infrastructure that serves ports,
14 to improve system resilience and disaster recovery;
15 and

16 (3) to enable scientific missions at sea and in
17 extreme environments, including the Arctic.

18 (b) REPORT.—Not later than 1 year after the date
19 of enactment of this Act, the Secretary of Energy shall
20 submit to the Committee on Energy and Natural Re-
21 sources of the Senate and the Committee on Science,
22 Space, and Technology of the House of Representatives
23 a report that describes the results of the study conducted
24 under subsection (a).