

**AMENDMENT TO THE RULES COMMITTEE PRINT  
FOR H.R. 8  
OFFERED BY MR. DEUTCH OF FLORIDA**

At the end of the bill, add the following new title:

1                   **TITLE VII—MARINE**  
2                   **HYDROKINETIC**

3   **SEC. 7001. DEFINITION OF MARINE AND HYDROKINETIC RE-**  
4                   **NEWABLE ENERGY.**

5           Section 632 of the Energy Independence and Security  
6 Act of 2007 (42 U.S.C. 17211) is amended in the matter  
7 preceding paragraph (1) by striking “electrical”.

8   **SEC. 7002. MARINE AND HYDROKINETIC RENEWABLE EN-**  
9                   **ERGY RESEARCH AND DEVELOPMENT.**

10          Section 633 of the Energy Independence and Security  
11 Act of 2007 (42 U.S.C. 17212) is amended to read as  
12 follows:

13   **“SEC. 633. MARINE AND HYDROKINETIC RENEWABLE EN-**  
14                   **ERGY RESEARCH AND DEVELOPMENT.**

15          “The Secretary, in consultation with the Secretary of  
16 the Interior, the Secretary of Commerce, and the Federal  
17 Energy Regulatory Commission, shall carry out a program  
18 of research, development, demonstration, and commercial  
19 application to accelerate the introduction of marine and

1 hydrokinetic renewable energy production into the United  
2 States energy supply, giving priority to fostering acceler-  
3 ated research, development, and commercialization of  
4 technology, including—

5 “(1) to assist technology development to im-  
6 prove the components, processes, and systems used  
7 for power generation from marine and hydrokinetic  
8 renewable energy resources;

9 “(2) to establish critical testing infrastructure  
10 necessary—

11 “(A) to cost effectively and efficiently test  
12 and prove the efficacy of marine and  
13 hydrokinetic renewable energy devices; and

14 “(B) to accelerate the technological readi-  
15 ness and commercialization of those devices;

16 “(3) to support efforts to increase the efficiency  
17 of energy conversion, lower the cost, increase the  
18 use, improve the reliability, and demonstrate the ap-  
19 plicability of marine and hydrokinetic renewable en-  
20 ergy technologies by participating in demonstration  
21 projects;

22 “(4) to investigate variability issues and the ef-  
23 ficient and reliable integration of marine and  
24 hydrokinetic renewable energy with the utility grid;

1           “(5) to identify and study critical short- and  
2 long-term needs to create a sustainable marine and  
3 hydrokinetic renewable energy supply chain based in  
4 the United States;

5           “(6) to increase the reliability and survivability  
6 of marine and hydrokinetic renewable energy tech-  
7 nologies;

8           “(7) to verify the performance, reliability, main-  
9 tainability, and cost of new marine and hydrokinetic  
10 renewable energy device designs and system compo-  
11 nents in an operating environment;

12           “(8) to coordinate and avoid duplication of ac-  
13 tivities across programs of the Department and  
14 other applicable Federal agencies, including National  
15 Laboratories, and to coordinate public-private col-  
16 laboration in all programs under this section;

17           “(9) to identify opportunities for joint research  
18 and development programs and development of  
19 economies of scale between—

20           “(A) marine and hydrokinetic renewable  
21 energy technologies; and

22           “(B) other renewable energy and fossil en-  
23 ergy programs, offshore oil and gas production  
24 activities, and activities of the Department of  
25 Defense; and

1           “(10) to support in-water technology develop-  
2           ment with international partners using existing co-  
3           operative procedures (including memoranda of un-  
4           derstanding)—

5                   “(A) to allow cooperative funding and  
6           other support of value to be exchanged and le-  
7           veraged; and

8                   “(B) to encourage international research  
9           centers and international companies to partici-  
10          pate in the development of water technology in  
11          the United States and to encourage United  
12          States research centers and United States com-  
13          panies to participate in water technology  
14          projects abroad.”.

15 **SEC. 7003. NATIONAL MARINE RENEWABLE ENERGY RE-**  
16 **SEARCH, DEVELOPMENT, AND DEMONSTRA-**  
17 **TION CENTERS.**

18          Section 634(b) of the Energy Independence and Se-  
19          curity Act of 2007 (42 U.S.C. 17213(b)) is amended to  
20          read as follows:

21           “(b) PURPOSES.—A Center (in coordination with the  
22          Department and National Laboratories) shall—

23                   “(1) advance research, development, demonstra-  
24          tion, and commercial application of marine and  
25          hydrokinetic renewable energy technologies;

1           “(2) support in-water testing and demonstra-  
2           tion of marine and hydrokinetic renewable energy  
3           technologies, including facilities capable of testing—

4                   “(A) marine and hydrokinetic renewable  
5           energy systems of various technology readiness  
6           levels and scales;

7                   “(B) a variety of technologies in multiple  
8           test berths at a single location; and

9                   “(C) arrays of technology devices; and

10           “(3) serve as information clearinghouses for the  
11           marine and hydrokinetic renewable energy industry  
12           by collecting and disseminating information on best  
13           practices in all areas relating to developing and  
14           managing marine and hydrokinetic renewable energy  
15           resources and energy systems.”.

16 **SEC. 7004. AUTHORIZATION OF APPROPRIATIONS.**

17           Section 636 of the Energy Independence and Security  
18           Act of 2007 (42 U.S.C. 17215) is amended by striking  
19           “2008 through 2012” and inserting “2016 through  
20           2019”.

