

**AMENDMENT TO
RULES COMMITTEE PRINT 117-31
OFFERED BY MS. CASTOR OF FLORIDA**

Page 800, after line 2, insert the following:

1 **SEC. 20303. EFFICIENT GRID INTERCONNECTION.**

2 (a) DEFINITIONS.—In this section:

3 (1) COMMISSION.—The term “Commission”
4 means the Federal Energy Regulatory Commission.

5 (2) ENERGY STORAGE PROJECT.—The term
6 “energy storage project” means equipment which re-
7 ceives, stores, and delivers energy using batteries,
8 compressed air, pumped hydropower, hydrogen stor-
9 age (including hydrolysis), thermal energy storage,
10 regenerative fuel cells, flywheels, capacitors, super-
11 conducting magnets, or other technologies identified
12 by the Secretary of Energy, and which has a capaci-
13 ty of not less than 5 kilowatt hours.

14 (3) GENERATION PROJECT.—The term “gen-
15 eration project” means any facility—

16 (A) that generates electricity; and

17 (B) the interconnection request of which is
18 subject to the jurisdiction of the Commission.

1 (4) GRID ENHANCING TECHNOLOGY.—The term
2 “grid enhancing technology” means any technology
3 or equipment that increases the capacity, efficiency,
4 or reliability of a transmission facility or trans-
5 mission system, including—

6 (A) power flow control and transmission
7 switching equipment;

8 (B) energy storage technology;

9 (C) topology optimization technology;

10 (D) dynamic line rating technology; and

11 (E) other advanced transmission tech-
12 nologies, such as composite reinforced alu-
13 minum conductors or high temperature super-
14 conductors.

15 (5) INTERCONNECTION CUSTOMER.—The term
16 “interconnection customer” means a person or entity
17 that has submitted a request to interconnect a gen-
18 eration project or an energy storage project that is
19 subject to the jurisdiction of the Commission to the
20 owner or operator of a transmission facility or a
21 transmission system.

22 (6) PUBLIC UTILITY.—The term “public util-
23 ity” has the meaning given such term in section
24 201(e) of the Federal Power Act (16 U.S.C. 824(e)).

1 (7) REGIONAL TRANSMISSION ORGANIZATION;
2 INDEPENDENT SYSTEM OPERATOR.—The terms
3 “Regional Transmission Organization” and “Inde-
4 pendent System Operator” have the meanings given
5 such terms in section 3 of the Federal Power Act
6 (16 U.S.C. 796).

7 (8) TRANSMISSION SYSTEM.—The term “trans-
8 mission system” means a network of transmission
9 facilities used for the transmission of electric energy
10 in interstate commerce.

11 (b) DEPLOYMENT OF GRID ENHANCING TECH-
12 NOLOGIES.—Not later than 180 days after the date of en-
13 actment of this Act, the Commission shall issue a new reg-
14 ulation, or revise existing regulations, to require the fol-
15 lowing:

16 (1) CONSULTATION.—

17 (A) IN GENERAL.—With respect to proc-
18 essing a request to interconnect a generation
19 project or an energy storage project, the Re-
20 gional Transmission Organization, Independent
21 System Operator, or transmission planning co-
22 ordinator, as applicable, shall—

23 (i) consult with the relevant owner of
24 the transmission facility or transmission
25 system, and the interconnection customer,

1 regarding deploying grid enhancing tech-
2 nology in addition to, or as a substitute to,
3 carrying out a traditional transmission up-
4 grade or addition, such as modifying or
5 adding a conductor or substation element;
6 and

7 (ii) study the efficacy of deploying
8 grid enhancing technology for the purposes
9 described in clause (i).

10 (B) UNCONNECTED TRANSMISSION FACILI-
11 TIES.—With respect to a request to inter-
12 connect a generation project or an energy stor-
13 age project to a transmission facility that is not
14 connected to a transmission system, the owner
15 or operator of such a facility shall—

16 (i) consult with the interconnection
17 customer regarding deploying grid enhance-
18 ing technology in addition to, or as a sub-
19 stitute to, carrying out a traditional trans-
20 mission upgrade or addition, such as modi-
21 fying or adding a conductor or substation
22 element; and

23 (ii) study the efficacy of deploying
24 grid enhancing technology for the purposes
25 described in clause (i).

1 (2) DEPLOYMENT.—

2 (A) IN GENERAL.—An interconnection cus-
3 tomer that is consulted with under paragraph
4 (1) may request that grid enhancing technology
5 that was the subject of such consultation be de-
6 ployed.

7 (B) DETERMINATION.—The owner of the
8 transmission facility or transmission system to
9 which such technology would be deployed shall
10 determine whether to deploy such technology,
11 subject to an appeal under subparagraph (C).

12 (C) APPEAL.—

13 (i) IN GENERAL.—An interconnection
14 customer that requests deployment of grid
15 enhancing technology under subparagraph
16 (A) may submit to the Commission a re-
17 quest for a hearing to appeal the decision
18 under subparagraph (B) to not deploy grid
19 enhancing technology.

20 (ii) EFFECT OF APPEAL.—After a
21 hearing under clause (i), the Commission
22 may order the owner of the transmission
23 facility or transmission system to deploy
24 the grid enhancing technology requested
25 under subparagraph (A).

1 (3) UPDATING PROCEDURES.—Not later than
2 the date that is 3 months after the date on which
3 the Commission issues or revises regulations as re-
4 quired under this subsection, each public utility shall
5 make a filing pursuant to section 205 of the Federal
6 Power Act (16 U.S.C. 824d) to amend their inter-
7 connection procedures to comply with such regula-
8 tions.

