

12:25PM THURS 5/21
TITLE I
SCAN

**AMENDMENT TO THE AMENDMENT IN THE
NATURE OF A SUBSTITUTE**

OFFERED BY MR. INSLEE OF WASHINGTON

and Anna Eskob of CA

At the end of subtitle F of title I, add the following:

1 **SEC. 152. SUPPORT FOR QUALIFIED ADVANCED ELECTRIC**
2 **TRANSMISSION MANUFACTURING PLANTS,**
3 **QUALIFIED HIGH EFFICIENCY TRANSMISSION**
4 **PROPERTY, AND QUALIFIED ADVANCED**
5 **ELECTRIC TRANSMISSION PROPERTY.**

6 (a) LOAN GUARANTEES PRIOR TO SEPTEMBER 30,
7 2011.—Section 1705(a) of the Energy Policy Act of 2005
8 (42 U.S.C. 15801 and following), as added by section 406
9 of the American Recovery and Reinvestment Act of 2009
10 (Public Law 109-58; 119 Stat. 594) is amended by adding
11 the following new paragraph at the end thereof:

12 “(5) The development, construction, acquisition,
13 retrofitting, or engineering integration of a qualified
14 advanced electric transmission manufacturing plant
15 or the construction of a qualified high efficiency
16 transmission property or a qualified advanced elec-
17 tric transmission property (whether by construction
18 of new facilities or the modification of existing facili-
19 ties). For purposes of this paragraph—

1 “(A) The term ‘qualified advanced electric
2 transmission property’ means any high voltage
3 electric transmission cable, related substation,
4 converter station, or other integrated facility
5 that—

6 “(i) utilizes advanced ultra low resist-
7 ance superconductive material or other ad-
8 vanced technology that has been deter-
9 mined by the Secretary of Energy as—

10 “(I) reasonably likely to become
11 commercially viable within 10 years
12 after the date of enactment of this
13 paragraph;

14 “(II) capable of reliably transmit-
15 ting at least 5 gigawatts of high-volt-
16 age electric energy for distances
17 greater than 300 miles with energy
18 losses not exceeding 3 percent of the
19 total power transported; and

20 “(III) not creating an electro-
21 magnetic field;

22 “(ii) has been determined by an ap-
23 propriate energy regulatory body, upon ap-
24 plication, to be in the public interest and

1 thereby eligible for inclusion in regulated
2 rates;

3 “(iii) can be located safely and eco-
4 nomically in a permanent underground
5 right of way not to exceed 25 feet in width;
6 and

7 “(iv) the term ‘qualified advanced
8 electric transmission property’ shall not in-
9 clude any property placed in service after
10 December 31, 2016.

11 “(B)(i) The term ‘qualified high efficiency
12 transmission property’ means any high voltage
13 overhead electric transmission line, related sub-
14 station, or other integrated facility that—

15 “(I) utilizes advanced conductor core
16 technology that—

17 “(aa) has been determined by the
18 Secretary of Energy as reasonably
19 likely to become commercially viable
20 within 10 years after the date of en-
21 actment of this paragraph;

22 “(bb) is suitable for use on trans-
23 mission lines up to 765kV; and

24 “(cc) exhibits power losses at
25 least 30 percent lower than that of

1 transmission lines using conventional
2 'ACSR' conductors;

3 "(II) has been determined by an ap-
4 propriate energy regulatory body, upon ap-
5 plication, to be in the public interest and
6 thereby eligible for inclusion in regulated
7 rates; and

8 "(III) can be located safely and eco-
9 nomically in a right of way not to exceed
10 that used by conventional 'ACSR' conduc-
11 tors; and

12 "(ii) The term 'qualified high efficiency
13 transmission property' shall not include any
14 property placed in service after December 31,
15 2016.

16 "(C) The term 'qualified advanced electric
17 transmission manufacturing plant' means any
18 industrial facility located in the United States
19 which can be equipped, re-equipped, expanded,
20 or established to produce in whole or in part
21 qualified advanced electric transmission prop-
22 erty.".

23 (b) ADDITIONAL LOAN GUARANTEE AUTHORITY.—
24 Section 1703 of the Energy Policy Act of 2005 (42 U.S.C.

1 15801 and following) is amended by adding the following
2 new paragraph at the end of subsection (b):

3 “(11) The development, construction, acquisi-
4 tion, retrofitting, or engineering integration of a
5 qualified advanced electric transmission manufac-
6 turing plant or the construction of a qualified ad-
7 vanced electric transmission property (whether by
8 construction of new facilities or the modification of
9 existing facilities). For purposes of this paragraph,
10 the terms ‘qualified advanced electric transmission
11 property’ and ‘qualified advanced electric trans-
12 mission manufacturing plant’ have the meanings
13 provided by section 1705(a)(5).”.

14 (c) GRANTS.—The Secretary of Energy is authorized
15 to provide grants for up to 50 percent of costs incurred
16 in connection with the development, construction, acquisi-
17 tion of components or engineering of a qualified advanced
18 electric transmission property defined in paragraph (5) of
19 section 1705(a) of the Energy Policy Act of 2005 (42
20 U.S.C. 15801 and following). Such grants may only be
21 made to the first project which qualifies under that para-
22 graph. There are authorized to be appropriated for pur-
23 poses of this section not more than \$100,000,000 for fiscal
24 year 2010. The United States shall take no equity or other
25 ownership interest in the qualified advanced electric trans-

- 1 mission manufacturing plant or qualified advanced electric
- 2 transmission property for which funding is provided under
- 3 this section.

