

SENATE FILE NO. SF0102

Wyoming energy transmission study.

Sponsored by: Senator(s) Boner, Dockstader and Steinmetz
and Representative(s) Haroldson, Singh, Webb
and Yin

A BILL

for

1 AN ACT relating to public utilities; requiring the
2 completion of a transmission planning study; specifying
3 requirements of the study; requiring reports; and providing
4 for an effective date.

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6 *Be It Enacted by the Legislature of the State of Wyoming:*

7

8 **Section 1.**

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10 (a) The Wyoming energy authority shall complete a
11 transmission planning study in accordance with all of the
12 following:

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14 (i) The study shall be completed in two (2)
15 phases, in accordance with this subsection;

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2 (ii) Phase one (1) of the study shall, at a
3 minimum, be an analysis of the impacts of three (3)
4 potential load growth scenarios on Wyoming's current
5 transmission system and shall include all of the following:

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7 (A) A model of Wyoming's transmission needs
8 with a power flow assessment of the three (3) potential
9 load growth scenarios identified in subparagraph (C) of
10 this paragraph to identify potential deliverability and
11 congestion constraints;

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13 (B) Consideration of advanced transmission
14 technologies and electricity storage to meet the need for
15 expanded transmission capacity in Wyoming from 2026 to 2046
16 under each of the three (3) potential load growth scenarios
17 identified in subparagraph (C) of this paragraph;

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19 (C) The consideration of three (3) load
20 growth scenarios in completing this phase of the study,
21 which are:

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(I) Low growth;

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(II) Moderate growth;

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(III) High demand.

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(D) A gap analysis identifying transmission needs to meet various load growth scenarios, including those identified in subparagraph (C) of this paragraph, and recommendations for transmission solutions to meet the identified needs.

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(iii) Phase two (2) of the study shall explore integration of the transmission system in Wyoming into regional systems and shall include all of the following:

(A) A study of the implications of Wyoming's transmission system being integrated into competing day-ahead and real-time markets and a regional transmission organization;

(B) An economic analysis of benefits associated with the three (3) load growth scenarios identified in subparagraph (a)(ii)(C) of this section;

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2 (C) Identification of additional
3 transmission system upgrades to enhance regional
4 integration.

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6 (b) The Wyoming energy authority shall report to the
7 joint corporations, election and political subdivisions
8 interim committee and the joint minerals, business and
9 economic development interim committee:

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11 (i) Not later than November 1, 2027 on the
12 results of phase one (1) of the study required in
13 subsection (a) of this section and any recommendations for
14 legislation in response to the study;

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16 (ii) Not later than September 1, 2028 on the
17 results of phase two (2) of the study required in
18 subsection (a) of this section and any recommendations for
19 legislation in response to the study.

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1 **Section 2.** This act is effective immediately upon
2 completion of all acts necessary for a bill to become law
3 as provided by Article 4, Section 8 of the Wyoming
4 Constitution.

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(END)