

HB0212S01 compared with HB0212

~~{Omitted text}~~ shows text that was in HB0212 but was omitted in HB0212S01

inserted text shows text that was not in HB0212 but was inserted into HB0212S01

DISCLAIMER: This document is provided to assist you in your comparison of the two bills. Sometimes this automated comparison will NOT be completely accurate. Therefore, you need to read the actual bills. This automatically generated document could contain inaccuracies caused by: limitations of the compare program; bad input data; or other causes.

1 ~~{Grid Enhancing}~~ Advanced Transmission Technologies

2 2025 GENERAL SESSION

3 STATE OF UTAH

4 Chief Sponsor: Christine F. Watkins

5 Senate Sponsor:

6 LONG TITLE

7 General Description:

8 This bill makes changes to the Energy Resource Procurement Act.

9 Highlighted Provisions:

10 This bill:

11 ▶ defines terms;

12 ▶ outlines cost-effectiveness analyses and approval procedures when a large-scale electric utility
(utility) proposes ~~{grid enhancement}~~ advanced transmission technology deployment; and

13 ▶ provides that a utility may recover approved costs.

14 Money Appropriated in this Bill:

15 None

16 None

17 ENACTS:

18 54-17-1101 , Utah Code Annotated 1953 , Utah Code Annotated 1953

18 ~~{54-20-108 , Utah Code Annotated 1953 , Utah Code Annotated 1953}~~

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20 *Be it enacted by the Legislature of the state of Utah:*

21 Section 1. Section 1 is enacted to read:

22

Part 11. Advanced Transmission Technologies

23 **54-17-1101. Advanced transmission technologies.**

24 (1) As used in this section:

25 (a) "Advanced transmission technology" means a technology that increases the capacity, efficiency, or
reliability of electric transmission infrastructure.

27 (b) "Advanced transmission technology" includes:

28 (i) technology that dynamically adjusts the rated capacity of transmission lines based on real-time
conditions;

30 (ii) advanced power flow controls used to actively control the flow of electricity across transmission
lines to optimize usage and relieve congestion;

32 (iii) software and hardware used to identify optimal transmission grid configurations and enable routing
power flows around congestion points;

34 (iv) advanced transmission line conductors that increase the power transfer capacity of transmission
lines; and

36 (v) energy storage technologies that facilitate energy storage during times of excess generation and
discharge of stored energy during times of high demand to support transmission system operation.

39 (2) In an integrated resource plan filing, a general rate case, or other proceeding in which a large-scale
electric utility proposes additions or expansions to the transmission system, the large-scale electric
utility shall:

42 (a) analyze:

43 (i) the cost effectiveness and timetable for deployment of advanced transmission technologies as an
alternative strategy to meet electric system needs; and

45 (ii) whether the technologies would:

46 (A) increase transmission capacity;

47 (B) increase transmission efficiency;

48 (C) reduce transmission system congestion;

49 (D) reduce curtailment of energy generation resources;

50 (E) increase reliability;

51 (F) reduce the risk of igniting wildfire;

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- 52 (G) increase resiliency; and
53 (H) increase capacity to connect new energy resources; and
54 (b) include the analysis described in Subsection (2)(a) in the filing to the commission.
55 (3)
. (a) The commission shall encourage the large-scale electric utility to include deployment of advanced
transmission technologies in an integrated resource plan.
57 (b) A large-scale electric utility shall include a summary of its existing and planned advanced
transmission technologies in each integrated resource plan filed with the commission.
60 (4) If the commission determines, based on the analysis provided by the large-scale electric utility under
Subsection (2)(a), that the deployment of advanced transmission technologies is cost effective, the
commission shall approve the large-scale utility's recovery of the prudently incurred costs of the
advanced transmission technologies.

21 Section 1. Section 1 is enacted to read:

22 **54-20-108. Grid enhancing technologies program.**

- 23 (1)
. (a) As used in this section, "grid enhancing technology" means a technology that increases the capacity,
efficiency, or reliability of electric transmission infrastructure.
25 (b) "Grid enhancing technology" includes:
26 (i) technology that dynamically adjusts the rated capacity of transmission lines based on real-time
conditions;
28 (ii) advanced power flow controls used to actively control the flow of electricity across transmission
lines to optimize usage and relieve congestion;
30 (iii) software and hardware used to identify optimal transmission grid configurations and enable routing
power flows around congestion points;
32 (iv) advanced transmission line conductors that increase the power transfer capacity of transmission
lines; and
34 (v) energy storage technologies that facilitate energy storage during times of excess generation and
discharge of stored energy during times of high demand to support transmission system operation.
37 (c) "Shared savings incentive" means a monetary incentive provided to a large-scale electric utility that
has deployed commission-approved grid enhancing technologies, that is calculated based on the
quantifiable system-wide cost savings realized as a result of the grid enhancing technologies.

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- 41 (2) There is established a grid enhancing technologies program as an innovative utility program under
42 Section 54-20-105.
- 43 (3) In a rate case or other proceeding in which a large-scale electric utility proposes the deployment of
44 a grid enhancing technology for implementation or addition to the transmission system, the large-
45 scale electric utility shall:
- 46 (a) analyze the cost effectiveness and timetable for deployment of grid enhancing technologies as an
47 alternative strategy; and
- 48 (b) submit the analysis to the commission.
- 49 (4) If the commission determines, based on the analysis, that deployment of grid enhancing
50 technologies is in the public interest, the commission:
- 51 (a) as part of an overall solutions strategy, may approve providing funds for deployment of grid
52 enhancing technologies;
- 53 (b) may authorize the large-scale electric utility to:
- 54 (i) establish a balancing account that includes the commission approved funds to be used for
55 deployment of grid enhancing technologies; and
- 56 (ii) recover prudently incurred costs associated with commission approved deployment of grid
57 enhancing technologies; and
- 58 (c) if the large-scale electric utility submits a land use application regarding a transmission line project
59 implementing the approved grid enhancing technologies, may require a local government to:
- 60 (i) expedite review of the land use application, while substantially complying with applicable provisions
61 of Title 10, Chapter 9a, Municipal Land Use, Development, and Management Act; and
- 62 (ii) make a final decision to approve or deny the land use application within 30 days after the day on
63 which the utility submits a complete land use application.
- 64 (5)
- 65 (a) A large-scale electric utility that deploys commission-approved grid enhancing technologies is
66 eligible for a shared savings incentive.
- 67 (b) The shared savings incentive returns a portion of the quantifiable system-wide cost savings created
68 by the large-scale electric utility's investment in grid enhancing technologies to the utility.
- 69 (c) The cost savings calculations under Subsection (5)(b) shall be subject to verification by an
70 independent third-party auditor approved by the Public Service Commission.
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- (d) The shared savings incentive amount shall be distributed to the large-scale electric utility according to procedures outlined by the Public Service Commission.
- 75 (6) An large-scale electric utility that operates a grid enhancing technologies program shall submit a written report annually on or before June 1 to the Public Utilities, Energy, and Technology Interim Committee regarding the program as required under Subsection 54-20-105(6).
- 79 (7) The commission may make rules in accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking Act, to administer the shared savings incentive described in Subsection (5).

64 Section 2. **Effective date.**

This bill takes effect on May 7, 2025.

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