

Senator Nate Blouin proposes the following substitute bill:

GRID ENHANCING TECHNOLOGIES

2024 GENERAL SESSION

STATE OF UTAH

Chief Sponsor: Nate Blouin

House Sponsor: _____

LONG TITLE

General Description:

This bill makes changes to the Energy Resource Procurement Act.

Highlighted Provisions:

This bill:

- ▶ defines terms;
- ▶ outlines cost-effectiveness analyses and approval procedures when a large-scale electric utility (utility) proposes grid enhancement deployment; and
- ▶ provides that a utility may recover approved costs.

Money Appropriated in this Bill:

None

Other Special Clauses:

None

Utah Code Sections Affected:

ENACTS:

54-17-10, Utah Code Annotated 1953

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

Section 1. Section **54-17-10** is enacted to read:



26 **54-17-10. Grid enhancing technologies.**

27 (1) (a) As used in this section, "grid enhancing technology" means a technology that
28 increases the capacity, efficiency, or reliability of electric transmission infrastructure.

29 (b) "Grid enhancing technology" includes:

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

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

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

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

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

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

44 (a) analyze the cost effectiveness and timetable for deployment of grid enhancing
45 technologies as an alternative strategy to meet electric system needs; and

46 (b) include the analysis in the filing to the commission.

47 (3) (a) The commission shall encourage the large-scale electric utility to include
48 deployment of grid enhancing technologies in an integrated resource plan action plan.

49 (b) A large-scale electric utility shall include a summary of its existing and planned
50 grid enhancing technologies in each integrated resource plan filed with the commission.

51 (4) If the commission determines, based on the analysis provided by the large-scale
52 electric utility under Subsection (2), that deployment of grid enhancing technologies is cost
53 effective, the commission shall approve recovery of the prudently incurred costs of the grid
54 enhancing technologies.

55 **Section 2. Effective date.**

56 This bill takes effect on May 1, 2024.