

First Regular Session of the 124th General Assembly (2025)

PRINTING CODE. Amendments: Whenever an existing statute (or a section of the Indiana Constitution) is being amended, the text of the existing provision will appear in this style type, additions will appear in **this style type**, and deletions will appear in ~~this style type~~.

Additions: Whenever a new statutory provision is being enacted (or a new constitutional provision adopted), the text of the new provision will appear in **this style type**. Also, the word **NEW** will appear in that style type in the introductory clause of each SECTION that adds a new provision to the Indiana Code or the Indiana Constitution.

Conflict reconciliation: Text in a statute in *this style type* or ~~this style type~~ reconciles conflicts between statutes enacted by the 2024 Regular Session of the General Assembly.

SENATE ENROLLED ACT No. 422

AN ACT to amend the Indiana Code concerning utilities.

Be it enacted by the General Assembly of the State of Indiana:

SECTION 1. IC 8-1-8.5-3.4 IS ADDED TO THE INDIANA CODE AS A **NEW** SECTION TO READ AS FOLLOWS [EFFECTIVE JULY 1, 2025]: Sec. 3.4. (a) As used in this section, "advanced transmission technologies" means software or hardware technologies that increase the capacity, efficiency, reliability, or safety of an existing or new electric transmission facility, including:

- (1) grid enhancing technologies, such as dynamic line rating, advanced power flow controllers, and topology optimization;
- (2) advanced conductors; and
- (3) other technologies designed to:
 - (A) reduce transmission congestion; or
 - (B) increase the capacity, efficiency, reliability, or safety of an existing or new electric transmission facility.

(b) As used in this section, "electric utility" refers to an electric utility that:

- (1) is listed in 170 IAC 4-7-2(a); and
- (2) owns and operates a transmission or distribution system.

(c) In any integrated resource plan filed with the commission under 170 IAC 4-7 after December 31, 2025, an electric utility must include a description of the potential use of, or investment in, one (1) or more advanced transmission technologies to enable the electric utility to safely, reliably, efficiently, and cost effectively

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meet electric system demand, taking into consideration cost, risk, uncertainty, and the alternative investments needed to build new transmission infrastructure if advanced transmission technologies are not deployed.

(d) In any integrated resource plan filed with the commission under 170 IAC 4-7 after December 31, 2029, an electric utility must include a description of the electric utility's transmission and distribution systems, as applicable, as specified by the commission under 170 IAC 4-7.

SECTION 2. IC 8-1-8.5-14 IS ADDED TO THE INDIANA CODE AS A NEW SECTION TO READ AS FOLLOWS [EFFECTIVE JULY 1, 2025]: Sec. 14. (a) As used in this section, "advanced transmission technologies" means software or hardware technologies that increase the capacity, efficiency, reliability, or safety of an existing or new electric transmission facility, including:

- (1) grid enhancing technologies, such as dynamic line rating, advanced power flow controllers, and topology optimization;
- (2) advanced conductors; and
- (3) other technologies designed to:
 - (A) reduce transmission congestion; or
 - (B) increase the capacity, efficiency, reliability, or safety of an existing or new electric transmission facility.

(b) As used in this section, "public utility" has the meaning set forth in section 1 of this chapter.

(c) The commission shall conduct a study to evaluate the potential use or deployment of advanced transmission technologies by public utilities to enable public utilities to:

- (1) safely, reliably, efficiently, and cost effectively meet electric system demand; and
- (2) provide safe, reliable, and affordable electric utility service to customers.

(d) In conducting the study, the commission shall evaluate the following:

- (1) The attributes, functions, costs, and benefits of various advanced transmission technologies, including grid enhancing technologies and advanced conductors. In evaluating the attributes of various advanced transmission technologies under this subdivision, the commission shall consider whether a particular technology does the following:
 - (A) Increases transmission capacity.
 - (B) Increases transmission efficiency.
 - (C) Reduces transmission congestion.



(D) Reduces the curtailment of generation resources.

(E) Increases system reliability.

(F) Increases system resiliency.

(G) Increases the capacity to connect new energy generation resources.

(2) The potential of each of the advanced transmission technologies studied to be used or deployed by public utilities to provide safe, reliable, and affordable electric utility service to customers in Indiana, considering existing and planned transmission infrastructure and projected demand growth.

(3) Potential reductions in project costs and project completion timelines by deploying advanced transmission technologies, as compared to traditional transmission infrastructure.

(4) Potential ways to streamline the deployment of advanced transmission technologies, including streamlined processes for permitting, maintenance, and upgrades.

(5) Any other aspect of advanced transmission technologies that the commission determines will assist policymakers, public utilities, ratepayers, and other stakeholders in understanding the potential role of advanced transmission technologies in the transmission system serving Indiana and the region.

(e) In conducting the study required by this section, the commission may consult with or invite comments from:

(1) regional transmission organizations;

(2) the Federal Energy Regulatory Commission or other federal regulators;

(3) public utilities;

(4) the office of the utility consumer counselor;

(5) associations or organizations representing utility ratepayers;

(6) regulatory commissions in other states;

(7) engineers or other experts; or

(8) other stakeholders.

The commission may incorporate any information or comments received under this subsection in its report under subsection (f).

(f) The commission shall include in the annual report that the commission is required to submit under IC 8-1-1-14 before October 1, 2026, a report that includes the commission's findings with respect to the topics outlined in subsection (d).

SECTION 3. IC 8-1-39-1.1 IS ADDED TO THE INDIANA CODE



AS A NEW SECTION TO READ AS FOLLOWS [EFFECTIVE JULY 1, 2025]: Sec. 1.1. As used in this chapter, "**advanced transmission technologies**" means software or hardware technologies that increase the capacity, efficiency, reliability, or safety of an existing or new electric transmission facility, including:

- (1) grid enhancing technologies, such as dynamic line rating, advanced power flow controllers, and topology optimization;
- (2) advanced conductors; and
- (3) other technologies designed to:
 - (A) reduce transmission congestion; or
 - (B) increase the capacity, efficiency, reliability, or safety of an existing or new electric transmission facility.

SECTION 4. IC 8-1-39-2, AS AMENDED BY P.L.89-2019, SECTION 1, IS AMENDED TO READ AS FOLLOWS [EFFECTIVE JULY 1, 2025]: Sec. 2. (a) As used in this chapter, "eligible transmission, distribution, and storage system improvements" means new or replacement electric or gas transmission, distribution, or storage utility projects that:

- (1) a public utility undertakes for purposes of safety, reliability, system modernization, or economic development, including the extension of gas service to rural areas;
- (2) were not included in the public utility's rate base in its most recent general rate case; and
- (3) either were:
 - (A) described in the public utility's TDSIC plan and approved by the commission under section 10 of this chapter and authorized for TDSIC treatment;
 - (B) described in the public utility's update to the public utility's TDSIC plan under section 9 of this chapter and authorized for TDSIC treatment by the commission; or
 - (C) approved as a targeted economic development project under section 11 of this chapter.
- (b) The term includes:
 - (1) projects that do not include specific locations or an exact number of inspections, repairs, or replacements, including inspection based projects such as pole or pipe inspection projects, and pole or pipe replacement projects; and
 - (2) projects involving advanced technology investments to support the modernization of a transmission, distribution, or storage system, such as advanced metering infrastructure, **advanced transmission technologies**, information technology systems, or distributed energy resource management systems.



President of the Senate

President Pro Tempore

Speaker of the House of Representatives

Governor of the State of Indiana

Date: _____ Time: _____

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