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WATT COALITION
Working for Advanced
Transmission Technologies

National Transmission Needs Study Highlights Value of Grid Enhancing Technologies

October 30, 2023, WASHINGTON D.C. - Today, U.S. Department of Energy released its final [National Transmission Needs Study](#), which included a section titled *Grid-enhancing technologies can improve the operational efficiency of existing transmission systems*.

Julia Selker, Executive Director of the WATT Coalition, said:

“The National Transmission Needs Study highlights that Grid Enhancing Technologies would help achieve needed transmission capacity along with new lines. Because GETs cost so little and can be deployed in months, they can support grid reliability and save customers money while the new lines are planned and built. In the long term, wide deployment of GETs will ensure that ratepayers get the maximum value out of all transmission grid infrastructure, in addition to providing operators system-wide flexibility and visibility to improve reliability.”

Two reports by the Brattle Group showed that [GETs could increase the utilization of high voltage lines by around 20%](#), and can [double capacity on the existing grid for new renewable energy](#).

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About the WATT Coalition:

The Working for Advanced Transmission Technologies (WATT) Coalition advocates for policy that supports wide deployment of Grid-Enhancing Technologies (GETs), to accelerate the clean energy transition and lower energy costs. Dynamic Line Ratings determine the true, real-time capacity of power lines. Advanced Power Flow Control allows operators to reroute power to lines with available capacity. Topology Optimization identifies the best grid reconfigurations to reroute flow around bottlenecks. In operations, these technologies reduce congestion costs and improve economic dispatch, situational awareness and reliability. In planning, they reduce the time, cost and complexity of integrating new generation and load. WATT members include AES Corporation, Ampacimon, EDF Renewables North America, Heimdall Power, Invenergy, LineVision, Lindsey Systems, NewGrid, Pine Gate Renewables, Prisma Photonics, Smart Wires, Sol Systems, VELCO. Learn about unlocking more value from the grid at watt-transmission.org.