



Grid Deployment Office Overview

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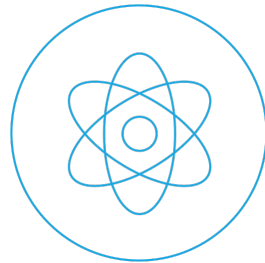
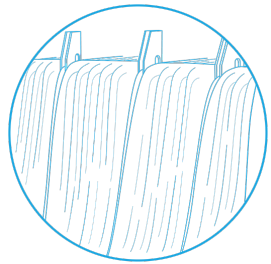
Our Mission

Invest in electric infrastructure by...

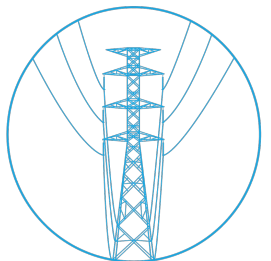
- ▶ Maintaining and investing in critical generation facilities
- ▶ Improving and expanding transmission and distribution system
- ▶ Developing high-capacity electric transmission lines nationwide
- ▶ Providing access to technical assistance and national laboratory expertise, modeling, and analytical capabilities



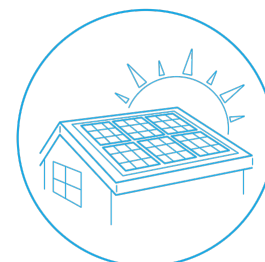
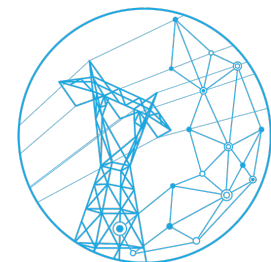
DOE's Grid Deployment Office



The **Generation Credits Division** works with existing generation facilities to ensure resilience and reliability and works to improve electricity markets at the wholesale and distribution level.



The **Transmission Division** supports innovative efforts in transmission reliability and clean energy analysis and programs, and energy infrastructure and risk analysis in support of the Administration's priorities to enhance grid resilience.



The **Grid Modernization Division** oversees activities that prevent outages and enhance the resilience of the electric grid.

GDO at a glance

Generation Credits

Civil Nuclear Credit Program:
\$6 billion

Hydro Incentives:
More than \$700 million

Transmission

Transmission Facilitation Program:
\$2.5 billion

Transmission Facility Financing:
\$2 billion

**Transmission Siting and Economic
Development Grants** \$760 million

**National Transmission Planning
and National Transmission Needs
Studies; Offshore Wind
Convenings**

Permitting

Grid Modernization

**Grid Resilience State/Tribal
Formula Grants:** \$2.3 billion

GRIP Program: \$10.5 billion

**Puerto Rico Energy Resilience
Fund:** \$1 billion

Territory Recovery Assistance

Annual Appropriations



Enhanced Transmission Planning Activities

- ▶ National Transmission Needs Study
 - DOE's triennial state of the grid report; final expected Fall 2023
 - Will help inform designation of National Interest Electric Transmission Corridors (NIETCs)
- ▶ National Transmission Planning Study
 - Identify interregional and national strategies to accelerate cost-effective decarbonization while maintaining reliability; inform planning processes; identify transmission options
- ▶ Offshore Wind Transmission Planning
 - DOE and BOEM conducting convening workshops with FERC and other federal agencies; recently released [*An Action Plan for Offshore Wind Transmission Development in the U.S. Atlantic Region*](#)



Siting and Permitting Activities

Coordinated Interagency Transmission Authorizations and Permits (CITAP) Program

- ▶ Aims to accelerate Federal environmental reviews and permitting processes for qualifying onshore electric transmission utilities
- ▶ Based on authority granted to DOE under Section 216(h) of the Federal Power Act that enables DOE to act as Lead Agency to coordinate Federal authorizations and related environmental reviews required to site an interstate electric transmission facility
- ▶ **Comment period on GDO's Notice of Proposed Rulemaking closes on October 2**
- ▶ Will not apply to projects seeking permits from FERC under Section 216(b), which authorizes DOE to designate National Interest Electric Transmission Corridors (NIETCs)



Transmission Funding Available through BIL and IRA

- ▶ **Transmission Facilitation Program (TFP): \$2.5B revolving fund borrowing authority provided by BIL**
 - Federal support to develop new, large-scale transmission lines, upgrade existing transmission lines, and connect microgrids in Hawaii and Alaska and U.S. territories
- ▶ **Transmission Siting and Economic Development Grants (TSED): \$760M in grant authority provided by IRA**
 - Facilitate the siting and permitting of interstate and offshore electricity transmission lines
 - Provide economic development grants to communities affected by the construction and operation of interstate and offshore transmission lines



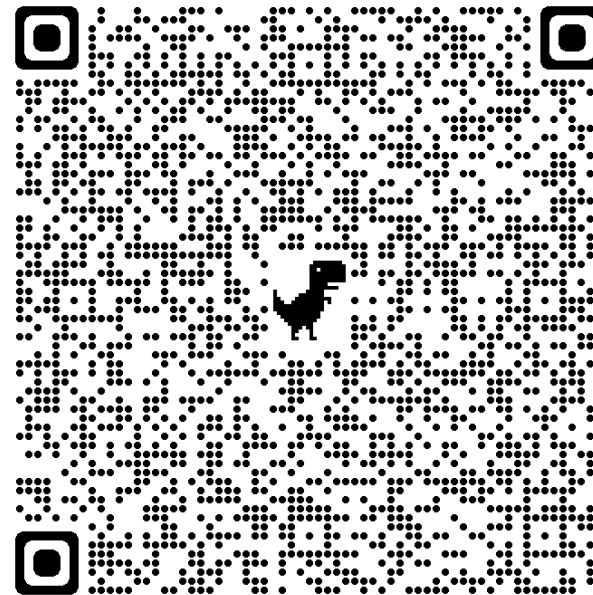
Grid Resilience Funding Available through BIL

Formula Grants	Funding Amount	Next Milestones
<p>Grid Resilience Formula Grants Preventing Outages and Enhancing the Resilience of the Electric Grid / Hazard Hardening (Sec. 40101(d))</p>	<p>\$2.3 billion</p>	<ul style="list-style-type: none"> • Applications closed on May 31, 2023 for States and Territories and on August 31, 2023 for Tribes • Next round of funding opening in Q1/Q2 FY2024
GRIP Program	Funding Amount	Next Milestones
<p>Grid Resilience Industry Grants Preventing Outages and Enhancing the Resilience of the Electric Grid / Hazard Hardening (Sec. 40101(c))</p>	<p>\$2.5 billion</p>	<ul style="list-style-type: none"> • Applications currently closed • Awards to be announced soon • Next round of funding opening in Q1 FY2024
<p>Smart Grid Grants Deployment of Technologies to Enhance Grid Flexibility (Sec. 40107)</p>	<p>\$3 billion</p>	<ul style="list-style-type: none"> • Applications currently closed • Awards to be announced soon • Next round of funding opening in Q1 FY2024
<p>Grid Innovation Program Program Upgrading Our Electric Grid and Ensuring Reliability and Resiliency (Sec. 40103(b))</p>	<p>\$5 billion</p>	<ul style="list-style-type: none"> • Applications currently closed • Awards to be announced soon • Next round of funding opening in Q1 FY2024

Learn more about GDO's financing opportunities

- ▶ The Grid and Transmission Programs Conductor acts as a clearinghouse for GDO's transmission and grid resilience financing programs.
- ▶ Find more information on Grid and Transmission programs within:
 - Bipartisan Infrastructure Law
 - Inflation Reduction Act
 - And other existing DOE transmission and grid programs

▶ <https://www.energy.gov/gdo/conductor>



A screenshot of the 'Grid and Transmission Program Conductor' website. The page has a green header with the title 'Grid and Transmission Program Conductor' and 'Grid Deployment Office' below it. The main content area is white and contains text explaining the Conductor's role as a clearinghouse for GDO's transmission and grid resilience financing programs. It also mentions an interactive tool for finding opportunities. Below the text is a screenshot of the tool's interface, which asks 'What type of entity are you?' and provides three options: 'Public Entity (e.g., State, Tribal Nation, Territory, or other form of local or regional government)', 'Private Industry (e.g., electric utility, grid operator, for-profit entity)', and 'A public or private entity that operates in a rural or remote community'. There is a 'Back' button and a 'Use this tool to find the best program for you:' prompt next to the tool screenshot.

