



# Grid & Transmission Programs Conductor Guide

## Program Overviews

Provision	BIL, IRA, N/A	Summary	Eligible Entities	Eligible Projects	Funding
Transmission Programs					
Transmission Facilitation Program (TFP)	BIL: Sec: 40106	Revolving fund program that will provide Federal support to overcome the financial hurdles in the development of large-scale new transmission lines, upgrading of existing transmission, and the connection of microgrids in select States and U.S. territories.	<p>May include but not limited to:</p> <ul style="list-style-type: none"> <li>• Transmission Developers</li> <li>• Microgrid Developers</li> </ul>	<p>To qualify projects must meet at least one of the following criteria:</p> <ul style="list-style-type: none"> <li>• New corridor: 1,000 MW or more</li> <li>• Existing corridor: Upgrade or new line -- 500 MW or more</li> <li>• Microgrid: Project connects an isolated microgrid to an existing transmission, transportation, or telecommunications infrastructure corridor located in Alaska, Hawaii, or a U.S. territory</li> </ul>	<p>\$2.5 borrowing authority</p> <p>Revolving Fund</p> <p>Three types of financing:</p> <ul style="list-style-type: none"> <li>• Capacity Contracts</li> <li>• Loans</li> <li>• Public Private Partnerships</li> </ul>



<p>Transmission Facility Loans</p>	<p>IRA: Sec. 50151</p>	<p>\$2 billion in direct loan authority for facility financing.</p>	<p>Limited to:</p> <ul style="list-style-type: none"> <li>• Non-federal borrowers</li> </ul>	<p>To qualify projects must be designated by the Secretary to be necessary in the national interest under section 216(a) of the Federal Power Act.</p>	<p>\$2 billion in borrowing authority</p>
<p>Loan Programs Office (LPO)</p>	<p>IRA: Sec. 1706</p>	<p>Through Title 17, LPO has \$40 billion in loan authority to support transmission expansion projects and emerging technologies including HVDC deployment and GETS manufacturing and deployment.  Through Title 17, Section 1706, also known as Energy Infrastructure Reinvestment Financing Program, LPO has \$250 billion in loan authority to retool, repower, repurpose or replace energy infrastructure (incl transmission) that has ceased operations.</p>	<p>May include but not limited to:</p> <ul style="list-style-type: none"> <li>• Transmission Developers</li> <li>• Transmission  Grid Industry</li> </ul>	<p>To qualify projects must meet at least one of the following criteria:</p> <ul style="list-style-type: none"> <li>• Transmission expansion projects</li> <li>• Projects to deploy emerging technologies</li> <li>• Projects to retool, repower, repurpose, or replace transmission infrastructure</li> </ul>	<p>\$40 billion in loan authority across all Title 17 innovative clean energy technologies  \$250 billion in loan authority through Title 17 Section 1706</p>



<p>Western Area Power Administration (WAPA): Transmission Infrastructure Program (TIP)</p>	<p>N/A</p>	<p>Strategic loans to project applicants for qualifying projects.</p> <p>The program's primary goal is to leverage Federal funds and attract private and other non-federal co-investment to support the development of critical transmission and related infrastructure.</p>	<p>May include but not limited to:</p> <ul style="list-style-type: none"><li>• Transmission Developers</li><li>• Storage Project Developers</li></ul>	<p>To qualify for a project loan or project development assistance from the TIP, prospective utility-scale transmission and/or related projects must meet and demonstrate, at minimum, the following criteria:</p> <ul style="list-style-type: none"><li>• Have at least one terminus in WAPA's 15-state service territory</li><li>• Demonstrate a reasonable expectation of repayment</li><li>• Facilitate the delivery of clean energy</li><li>• Not adversely impact system reliability or operations</li><li>• Serve the public interest</li></ul>	<p>\$3.25 billion borrowing authority</p> <p>Revolving Fund</p>
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## Grid Infrastructure Modernization & Improvement Programs

<p>Grid Resilience Formula Grants</p>	<p>BIL: Sec. 40101 (d)</p>	<p>Formula grant program to strengthen and modernize America's power grid against wildfires, extreme weather, and other natural disasters that are exacerbated by the climate crisis.</p>	<p>Limited to:</p> <ul style="list-style-type: none"> <li>• States</li> <li>• Territories</li> <li>• Tribes</li> </ul>	<p>To qualify grantees must address at least one of the following:</p> <ul style="list-style-type: none"> <li>• Weatherization technologies and equipment</li> <li>• Fire-resistant technologies and fire prevention systems</li> <li>• Monitoring and control technologies</li> <li>• Undergrounding of electrical equipment</li> <li>• Utility pole management</li> <li>• Relocation of power lines or the reconductoring of power lines with low-sag, advanced conductors</li> <li>• Vegetation and fuel-load management</li> <li>• Use or construction of distributed energy resources for</li> </ul>	<p>\$2.3 billion</p> <p>~\$459 million/year FY22-FY26</p> <p>15% cost share from State, Territory, Tribal grantee</p>
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				<p>enhancing system adaptive capacity during disruptive events, including— microgrids and battery-storage subcomponents</p> <ul style="list-style-type: none"> <li>• Adaptive protection technologies</li> <li>• Advanced modeling technologies</li> <li>• Hardening of power lines, facilities, substations, of other systems</li> <li>• Replacement of old overhead conductors and underground cables</li> </ul>	
Grid Resilience Grants for Utilities/Industry	BIL: Sec. 40101 (c)	Grants to grid operators for investments to reduce the likelihood and consequences of disruptive events to communities and reduce risk of power lines causing wildfires	<p>May include but not limited to:</p> <ul style="list-style-type: none"> <li>• Electric grid operator</li> <li>• Electricity storage operator</li> <li>• Electricity generator</li> </ul>	<p>To qualify grantees must address at least 3 of the requirements listed above for 40101(d) State/Tribal/Territory Grants</p>	<p>\$2.5 billion</p> <p>\$500 million/year FY22-FY26</p> <p>First round includes FY22 &amp; FY23 together (up to \$1 billion)</p> <p>At least 50% cost share</p>



			<ul style="list-style-type: none"> <li>• Transmission owner or operator</li> <li>• Distribution provider</li> <li>• Fuel supplier</li> </ul>		
Grid Innovation Program	BIL Sec. 40103 (b)	<p>Financial assistance to governmental entities to coordinate and collaborate with electric sector owners and operators to:</p> <ul style="list-style-type: none"> <li>• Demonstrate innovative approaches to transmission, storage, and distribution infrastructure to harden and enhance resilience and reliability and</li> <li>• Demonstrate new approaches to enhance regional grid resilience, implemented through states by public and</li> </ul>	<p>Limited to:</p> <ul style="list-style-type: none"> <li>• State</li> <li>• Combination of States</li> <li>• Tribe</li> <li>• Local government</li> <li>• Public Utility Commissions (PUCs)</li> </ul>	<p>To qualify projects must meet at least one of the following criteria:</p> <ul style="list-style-type: none"> <li>• Transmission capacity enhancements</li> <li>• Advanced distribution grid assets and functionality including storage</li> <li>• Combined systems demonstrating innovative approaches</li> </ul>	<p>\$5 billion (\$1 billion/year FY22-FY26)</p> <p>First round includes FY22 &amp; FY23 together (up to \$2 billion)</p> <p>At least 50% cost share</p>



		rural electric cooperative entities on a cost-shared basis			
Smart Grid Grants	BIL: Sec. 40107	Grants to support the deployment of technologies to enhance grid flexibility	<p>Limited to:</p> <ul style="list-style-type: none"> <li>• Institutions of higher education</li> <li>• For-profit entities</li> <li>• Non-profit entities</li> <li>• State and local governmental entities</li> <li>• Tribal nations</li> </ul>	<p>Qualifying investments include:</p> <ul style="list-style-type: none"> <li>• Appliances, specialized industrial and commercial equipment, and transmission and distribution equipment</li> <li>• Metering, control, and other devices, sensors, and software</li> <li>• Equipment allowing smart grid functions to be operated and combined or coordinated among multiple electric utilities and regions</li> <li>• Monitoring, controlling, and integrating distributed generation into grid operations</li> <li>• Expanding communications/broadband technologies to support smart grid activities</li> <li>• Integrating electric or hybrid-electric vehicles onto the grid</li> </ul>	<p>\$3 billion total (\$600 million/year FY22-FY26)</p> <p>First round includes FY23 &amp; FY23 together (up to \$1.2 billion)</p> <p>At least 50% cost share</p>



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## Provision Resources & FAQs

### Grid Deployment Office Programs

#### *Transmission Facilitation Program*

- **Resources**

- Request for proposals for the first phase open until February 1, 2023
  - [Request for proposals](#)
- [Full FAQ](#)
- [Program Page](#)

- **FAQ**

**Q: How, where, and when can I apply for this funding?**

The submission deadline for the first phase of TFP is February 1, 2023. [Read the request for proposals and learn how to apply.](#)

**Q. What are the next steps for the TFP Program?**

In Fall 2023, solicitations will open for Loans and Public Private Partnerships.

**Q: If I have a transmission project that receives full cost recovery, am I eligible for TFP?**

Prior to taking action to facilitate an eligible project the Secretary of Energy must certify, among other issues, that the eligible project is unlikely to be constructed in as timely a manner or with as much transmission capacity in the absence of federal Transmission Facilitation Program (TFP) support, as set forth in 42 U.S.C. 18713 (i)(2). If a eligible project receives full cost recovery it would be unlikely the applicant could demonstrate financing or cost recovery barriers in order to receive TFP support.





## ***Grid Resilience State, Territory, and Tribal Grid Resilience Formula Grants (40101(d))***

- **Resources**

- Applications for Fiscal Year (FY) 2022 funding open until March 31, 2023.
  - [FedConnect Application Portal](#)
- [GDO Website Program Overview](#)
- [Program Page](#)

- [Full FAQ](#)

- **Shorter FAQ**

**Q. What are the next steps for 40101(d)?**

Funds will be distributed on a rolling basis to eligible entities that applied.

**Q: When will the grant cycle open for eligible entities to apply for funding through the states?**

Each state or Tribe will determine its own process for distribution of funds by preparing a plan that will be adopted after notice and a public hearing and described in the Program Narrative, as described in Section 40101(d)(2)(B).

## ***Grid Resilience & Innovation Partnerships Programs***

- [Full FAQ](#)

## ***Grid Resilience Utility & Industry Competitive Grants (40101(c))***

- **Resources**
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- **Application for FY 2022 & 2023 Funding**
  - [Application Portal](#)

- **FAQ**

**Q: How, where, and when can I apply for this funding?**

To access the FOA and apply go [here](#).

- Concept Papers Due: December 16, 2022
- DOE Response to Concept Papers: January 27, 2023
- Full Applications Due: April 6, 2023

**Q: How much funding is available in Year 1?**

For Year 1 of the program (FY22/23), there is up to \$1 billion available.

**Q: Are tribal utilities considered tribes (15% cost share) or entities (50% cost share) under 40101?**

A tribal utility is a separate and distinct entity from a Tribe and would be responsible for 100% cost share or 1/3 cost share if it is considered a "small utility."

***Grid Innovation Program (40103(b))***

- **Resources**
  - **Application for FY 2022 & 2023 Funding**
    - [Application Portal](#)

- **FAQ**

**Q: How, where, and when can I apply for this funding?**



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To access the FOA and apply go [here](#).

- Concept Papers Due: January 13, 2023
- DOE Response to Concept Papers: February 24, 2023
- Full Applications Due: May 19, 2023

**Q: How much funding is available in Year 1?**

For Year 1 of the program (FY22/23), there is up to \$2 billion available.

***Smart Grid Grants (40107)***

- **Resources**
  - **Application for FY 2022 & 2023 Funding**
    - [Application Portal](#)

- **FAQ**

**Q: How, where, and when can I apply for this funding?**

To access the FOA and apply go [here](#).

- Concept Papers Due: December 16, 2022
- DOE Response to Concept Papers: January 27, 2023
- Full Applications Due: March 17, 2023



**Q: How much funding is available in Year 1?**

For Year 1 of the program (FY22/23), there is up to \$1.2 billion available.

**Transmission Facility Loans (IRA Sec. 50151)**

Coming Soon. Please check back for more information in January 2023.

**Other DOE Programs**

***Loan Programs Office Loans***

- **Resources**
  - [LPO Website](#)
  - Innovative Clean Energy Loan Program [Solicitation](#)

- **FAQ**

**Q: How, where, and when can I apply for this funding?**

The LPO Loan process is outlined [here](#) and the application period is ongoing. Additional resources and guidance are available [here](#).



## ***Western Area Power Administration Transmission Infrastructure Program***

- **Resources**

- [Program Site](#)
- [Project Criteria](#)
- Additional Assistance
  - Email: [TIP@wapa.gov](mailto:TIP@wapa.gov)
  - Phone: 720-962-7710

- **FAQ**

**Q: How, where, and when can I apply for this funding?**

The TIP application process is outlined [here](#). You may also reach out to WAPA directly at the email and phone number above.

## **Additional FAQs**

**Q: Where do I apply for funding**

All programs can be found and applied for on [FedConnect](#) when the funding round is open.

**Q: Can I receive a grant/loan or participate in a public private partnership for multiple GRIP (40101, 40103(b), 40107) provisions administered by GDO?**

It is permitted for an entity to receive grants from multiple grid related programs (BIL Sections 40101, 40103(b) or 40107) if the entity is otherwise qualified. However, an eligible entity cannot submit an application for a grant under Section 40101(c) and a grant provided by a State or Tribe under Section 40101(d) during the same application cycle.



**Q: Can I receive a GRIP grant/assistance and apply for Transmission Facilitation Program?**

Yes, that is permitted. Neither the Transmission Facilitation Program (TFP) (BIL section 40106), on the one hand, nor any of BIL sections 40101, 40103(b) or 40107, on the other hand, preclude an eligible entity from receiving grants or other federal assistance (e.g., TFP capacity contracts, public-private partnerships, or loans) from multiple programs if the entity is otherwise qualified.

**Q: Can I apply and receive an award for TFP or a GRIP program AND the Transmission Facility Financing program in IRA (sec. 50151)**

No, an entity may not receive Transmission Facility Financing under IRA section 50151 if it is receiving grants or other Federal support, such as funding under BIL sections 40101, 40103(b) 40107, or the TFP.

**Q: Can I receive a Loan Programs Office (LPO) loan and participate in the GDO grant/financial assistance programs?**

No, an entity may not receive a loan from Loan Program Office under Title 17 and section 1706 of the Energy Policy Act as enacted in IRA section 50144 if it is receiving grants or other Federal support, such as funding under BIL sections 40101, 40103(b) 40107, or the Transmission Facilitation Program.

**Q: Is this the only round of funding available?**

No. The grid modernization grants will run additional rounds of funding. Please comment on the RFI if you have specific preferences for the frequency of these rounds. The Transmission Facilitation Program will run additional rounds of funding until the \$2.5 billion is fully distributed and as the revolving fund is paid back. The Loan Program Office funds are being distributed on a rolling basis.



**Q: Can states, territories, or tribes subgrant funding out to other entities?**

Yes. For the programs where states, territories, or tribes are eligible they may subgrant funding to other entities.

**Q: Are public utilities in the territories eligible for grant funding under the grid resilience provisions (40101, 40107, and through the states for 40103(b))?**

Public utilities in the territories are eligible for grant funding under all three grid resilience provisions mentioned.

**Q: I've heard there is additional funding for transmission through the IRA. What can you tell me about that?**

There are several transmission related provisions in the Inflation Reduction Act (IRA) including:

- Section 50151 (Transmission Facility Financing)
  - Appropriates \$2 billion to remain available until September 30, 2030, for a direct loan program for certain transmission project development.
  - To be eligible for a direct loan, a transmission project would need to be designated by the Secretary to be necessary in the national interest under section 216(a) of the Federal Power Act.
- Section 50152 (Grants to Facilitate the Siting of Interstate Electricity Transmission Lines)
  - Appropriate \$760 million to remain available through September 30, 2029, for making grants aimed at facilitating the siting of certain onshore and offshore transmission lines.
  - This program would allow relevant siting authorities to receive grants to be used for purposes including transmission project studies, examination of alternative siting corridors, hosting negotiations with project backers and opponents, participating in federal and state regulatory proceedings, and promoting economic development in affected communities.



- Section 50153 (Interregional and Offshore Wind Electricity Transmission Planning, Modeling, and Analysis)
  - Appropriates \$100 million to remain available until September 30, 2031, for expenses for convening stakeholders and conducting analysis related to interregional transmission development and development of transmission for offshore wind energy.

**Q: Can I apply for BIL/IRA programs administered by DOE and participate in BIL/IRA programs administered by other agencies (i.e. USDA IRA Loans & Grants, DOI IRA Tribal Electrification and Climate Resilience Grants, DOT BIL EV Charging funding, EPA IRA Funding – Green Bank) simultaneously?**

Applicants may pursue funding in multiple programs simultaneously if they are able to meet the eligibility requirements for each program. There may be exceptions. For instance, an eligible entity is not allowed to submit the same application for a grant under IIJA Section 40101(c) and Section 40101(d) in the same application cycle. DOE considers a "grant" to have a specific scope (i.e., a unique project). Accordingly, an eligible entity may not submit a grant application with the same scope under both Sections 40101(c) and 40101(d) in the same application cycle. Eligible entities can submit proposals to both Sections 40101(c) and 40101(d) in the same application cycle as long as they are separate scopes of work that address different resilience measures.

In addition, federal funds may not be used to satisfy cost match or share requirements.