



Grid Resilience and Innovation Partnerships (GRIP) Program – Full Application Phase Updates

Colin Meehan

March 12, 2024

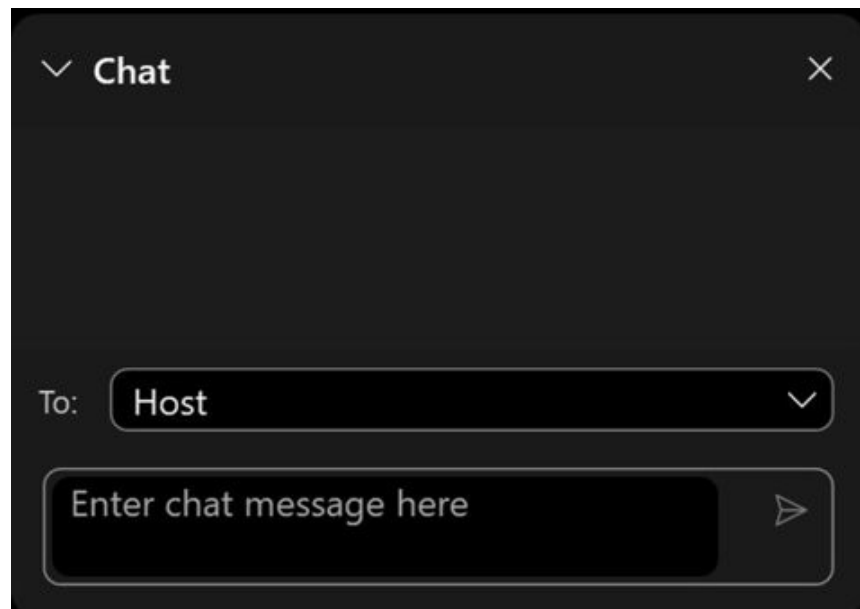
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Housekeeping

Questions?

If you have technical questions, input them in the chat box and send to host.



A screenshot of a chat interface. At the top left, there is a dropdown arrow and the word "Chat". At the top right, there is a close button (X). Below this, there is a "To:" label followed by a dropdown menu showing "Host". Below that is a text input field with the placeholder text "Enter chat message here" and a send button (right-pointing arrow).



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- ▶ All applicants are strongly encouraged to carefully read the FOA guidelines and adhere to them.





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Agenda

- ▶ Summary of Concept Paper Process
 - Response Letters and Next Steps
- ▶ Concept Paper Promising Responses
- ▶ Concept Paper Feedback by Topic Area
- ▶ Full Application Considerations by Topic Area
- ▶ Reminders and Next Steps

Find the FOA details on
Exchange:

[https://infrastructure-
exchange.energy.gov](https://infrastructure-exchange.energy.gov)

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**For questions regarding the FOA or applications, email FOA3195@netl.doe.gov.
Questions cannot be accepted through the webinar chat.**



Grid Resilience and Innovation Partnerships (GRIP) Program Overview

- ▶ These programs were released as one funding opportunity but provide opportunities for various applications to various entities including states, tribes, utilities, and industry.
 - Topic Area 1- Grid Resilience Grants
 - Topic Area 2- Smart Grid Grants
 - Topic Area 3- Grid Innovation Program
- ▶ DOE Goals for the GRIP Program
 - 1. Transform the U.S. electric grid at the transmission and distribution levels by increasing resilience in the face of extreme disruptions, enabling data-rich and flexible grid performance, and spurring innovation at all stages of project ideation and execution;
 - 2. Prioritize energy justice as an essential component of infrastructure development by dramatically altering the relationship between energy providers and their communities; and
 - 3. Catalyze and leverage private sector and non-federal public capital for impactful technology and infrastructure deployment.
- ▶ Concept Papers, the required first step in the application process, were due by Jan. 12, 2024, for all Topic Areas.



Summary of Concept Paper Process

Strong Concept Papers

- ▶ 575 Concept Papers reviewed across all 3 Topic Areas
- ▶ Submissions from all 50 states plus DC & territories
- ▶ 373 (65%) Encourage letters sent



Award selection process will be **extremely** competitive



Response Letters and Next Steps

- ▶ Response letters for all topic areas were sent 2/29 to the business POC for submissions
 - Encourage/Discourage notification
 - Criteria feedback
- ▶ Regardless of the determination (Encourage or Discourage), if you submitted a compliant Concept Paper for FY24-25, you may submit a full application for FY24-25*
 - One Concept Paper per Full Application
- ▶ **NOTE: Our Concept Paper review process and response letters did not include an entity eligibility determination**
 - We highly recommend reviewing all FOA eligibility requirements thoroughly before submitting full application

**See Section VI.A.ii of the FOA.*



Response Letters: Topic Area Feedback

If your Concept Paper Response Letter recommended a Topic Area adjustment:

- ▶ Your proposed project may be more aligned with the objectives and approaches of interest in the recommended Topic Area.
- ▶ **Ensure you are an eligible entity** for the recommended Topic Area.
- ▶ **Confirm all project activities are eligible for funding** under the recommended Topic Area.
- ▶ **Revisit the estimated funding levels and anticipated award sizes** for the recommended Topic Area.

Reminder: Concept Paper reviews did NOT include an eligibility determination.

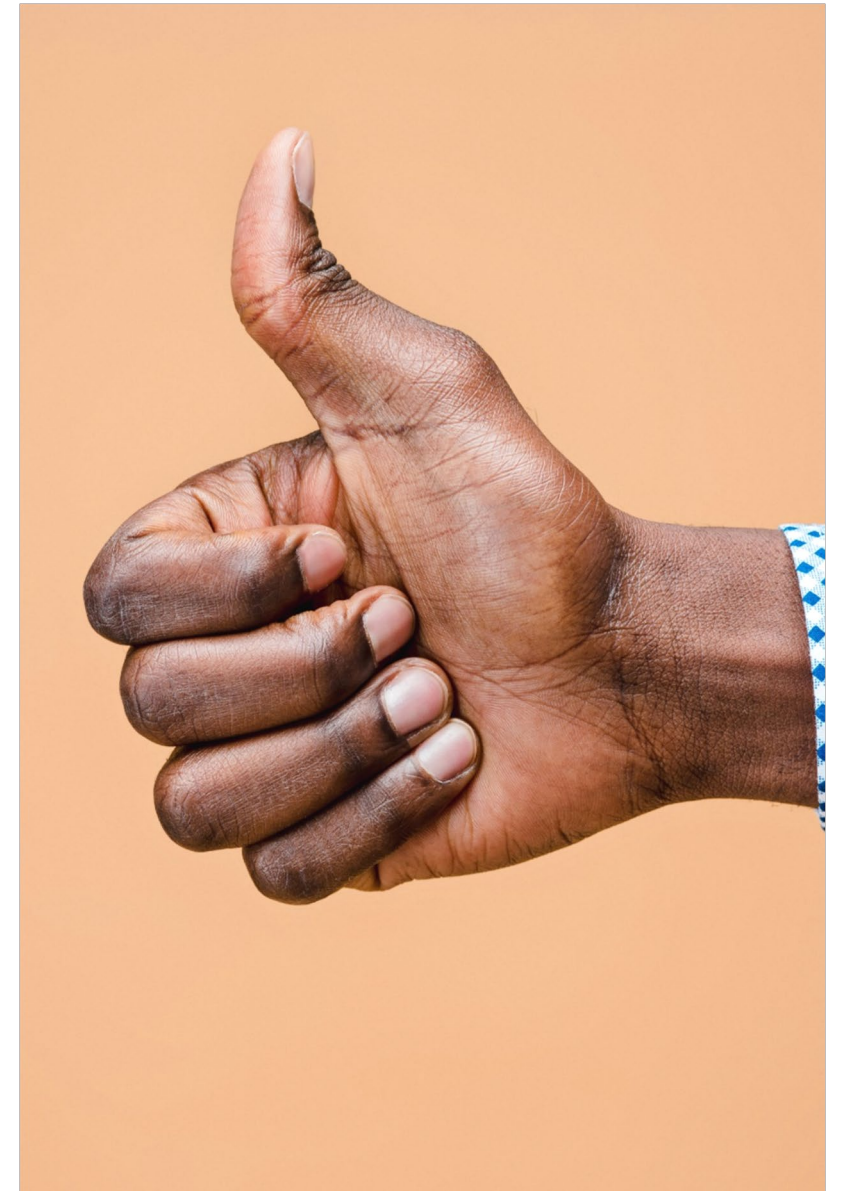


See Section I.B of the FOA for Topic Area-specific eligibility and restrictions and information on teaming arrangements. See Section II.A.i for estimated funding levels and award sizes.

Concept Paper Highlights

Positive indications from Concept Paper submissions:

- ▶ Overall, Concept Papers were stronger than in the first funding round.
- ▶ Projects were responsive to the FOA's priority areas of investment and technical approaches of interest.
- ▶ Projects represented a variety of high-impact transmission system projects and innovative approaches to addressing interconnection queues, storage deployments, and distribution system constraints.
- ▶ Strong interest & improved Concept Papers from small utilities (Topic Area 1).



Topic Area 1: Grid Resilience Grants - 40101(c)

250
 Concept Papers Reviewed
Including 118 from small utilities

163
 Concept Papers Encouraged
 (65%)

BIL Funding Available Through This FOA: Topic Area 1

| Full Application Due Date | Anticipated Number of Awards | Anticipated Minimum Award Size | Anticipated Maximum Award Size** | FOA-3195 Approximate Funding (FY24-25) | Total Funding Amount (FY22-26) |
|---------------------------|------------------------------|---|--|--|--------------------------------|
| April 17, 2024 | 10–20* | Small utilities: \$10 Million All others: \$50 Million | All projects: \$100 Million Exceptions: \$250 Million | \$918 Million | \$2.5 Billion |

*30% of total funding available from this FOA will be set aside for 3-6 of the anticipated number of awards that will be made to small utilities.

**See Section II.A. of the FOA for further information on maximum award size exceptions.



Topic Area 1: Concept Paper Feedback

Full Applications should:



Explain how the project mitigates a specific hazard.



Illustrate how the approach is innovative and goes beyond business-as-usual.



Address how project learnings and best practices will be disseminated.



If building a new line or reconductoring, quantify the capacity increase expected.



Ensure all activities are eligible.
*New electric generating facilities – including solar – are NOT allowed under Topic Area 1.**

Topic Area 1: Full Application Considerations

Ensure your application fully considers:

- ▶ **The latest FOA modification and requirements (Mod 00003, 02/27/2024).**
 - Required format for submission of the Community Benefits Plan.
- ▶ GRIP Program and Topic Area objectives and technical approaches of interest.
- ▶ Funding restrictions
 - Construction of a new electric generating facility **is not eligible** for funding in Topic Area 1.
- ▶ Estimated funding and anticipated award sizes.
- ▶ Cost share requirements:
 - Topic Area 1 Cost Match
 - Required to match 100% of the amount of the federal grant.
 - Exception: small utilities required to match 1/3 of the grant (under Topic Area 1 only).
 - Match calculated as a percentage of the Federal funds only, rather than the Total Project Cost.

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on Exchange:
<https://infrastructure-exchange.energy.gov>

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See Section I.B of the FOA for Topic Area-specific objectives, eligibility and restrictions, and technical approaches; Section II.A.i for estimated funding levels and award sizes; and Section III.B and Appendix A for cost share/cost match information.



Topic Area 2: Smart Grid Grants - 40107

225
Concept Papers Reviewed

160
Concept Papers Encouraged
(71%)

BIL Funding Available Through This FOA: Topic Area 2

| Full Application Due Date | Anticipated Number of Awards | Anticipated Minimum Award Size | Anticipated Maximum Award Size** | FOA-3195 Approximate Funding (FY24-25) | Total Funding Amount (FY22-26) |
|---------------------------|------------------------------|--------------------------------|--|--|--------------------------------|
| May 22, 2024 | 25–40 | \$10 Million | All projects: \$50 Million Exceptions: \$100 million/ \$250 million | \$1,080 Million | \$3 Billion |

**See Section II.A. of the FOA for further information on maximum award size exceptions.



Topic Area 2: Concept Paper Feedback

Full Applications should:



Explain how the project uses market-ready technologies in innovative, ambitious ways.



Illustrate a clear roadmap of smart grid applications that will be enabled by the deployment.



Ensure all activities are eligible.

Topic Area 2: Full Application Considerations

Ensure your application fully considers:

- ▶ **The latest FOA modification and requirements (Mod 00003, 02/27/2024).**
 - Required format for submission of the Community Benefits Plan.
- ▶ GRIP Program and Topic Area objectives and technical approaches of interest.
- ▶ Funding restrictions, including:
 - Investments or expenditures that utilize specific tax credits or deductions **are not eligible** for funding under Topic Area 2.
 - Expenditures for electricity generation, transmission, or distribution infrastructure or equipment not directly related to enabling Smart Grid functions **are not eligible** for funding under Topic Area 2.
- ▶ Estimated funding and anticipated award sizes.
- ▶ Cost share requirements: Cost Share must be at least 50% of the Total Project Cost.

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See Section I.B of the FOA for Topic Area-specific objectives, eligibility and restrictions, and technical approaches; Section II.A.i for estimated funding levels and award sizes; and Section III.B and Appendix A for cost share information.



Topic Area 3: Grid Innovation Program – 40103(b)

100
Concept Papers Reviewed

50
Concept Papers Encouraged
(50%)

BIL Funding Available Through This FOA: Topic Area 3

| Full Application Due Date | Anticipated Number of Awards | Anticipated Minimum Award Size | Anticipated Maximum Award Size** | FOA-3195 Approximate Funding (FY24-25) | Total Funding Amount (FY22-26) |
|---------------------------|------------------------------|--------------------------------|---|--|--------------------------------|
| April 17, 2024 | 4–40 | N/A | All projects: \$250 Million Exception: \$1 Billion | \$1,820 Million | \$5 Billion |

**See Section II.A. of the FOA for further information on maximum award size exceptions.



Topic Area 3: Concept Paper Feedback

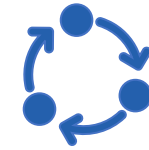
Full Applications should:



Demonstrate a meaningful level of collaboration in Public-Private Partnerships (if applicable).



Illustrate how the approach is **innovative** and goes beyond standard reliability and resilience solutions.



Describe how the project is likely to de-risk or demonstrate an innovative approach that can be used in projects *with similar challenges*.

Topic Area 3: Full Application Considerations

Ensure your application fully considers:

- ▶ **The latest FOA modification and requirements (Mod 00003, 02/27/2024).**
 - Required format for submission of the Community Benefits Plan.
- ▶ GRIP Program and Topic Area objectives and technical approaches of interest.
- ▶ Funding Restrictions.
 - Applications where the prime applicant is proposing to create a funding program but lacks sufficient detail for evaluation of impact or project is in the concept-level stage.
- ▶ Estimated funding and anticipated award sizes.
- ▶ Cost share requirements: Cost Share must be at least 50% of the Total Project Cost.

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See Section I.B of the FOA for Topic Area-specific objectives, eligibility and restrictions, and technical approaches; Section II.A.i for estimated funding levels and award sizes; and Section III.B and Appendix A for cost share information.



Next Steps and Reminders

APPLICATIONS DUE

| |
|------------------------------------|
| Topic Area 1 |
| Grid Resilience Grants (40101(c)) |
| 17-Apr-24 |
| Topic Area 2 |
| Smart Grid Grants (40107) |
| 22-May-24 |
| Topic Area 3 |
| Grid Innovation Program (40103(b)) |
| 17-Apr-24 |

TRAINING

Missed the Community Benefits Plan Training Webinar last week?

A recording is available at:
<https://www.energy.gov/gdo/events/march-5-community-benefits-plans-training-grid-resilience-and-innovation-partnerships>



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Questions? Submit via
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Thank you



Other Resources

| | |
|---|---|
| Grid and Transmission Program Conductor | https://www.energy.gov/gdo/grid-and-transmission-program-conductor |
| Transmission Facilitation Program | https://www.energy.gov/gdo/transmission-facilitation-program |
| Grid Resilience State & Tribal Formula Grant Program | https://www.energy.gov/gdo/grid-resilience-statetribal-formula-grant-program |
| Transmission Siting & Economic Development Grant Program (DE-FOA-0003101) | https://www.energy.gov/gdo/transmission-siting-and-economic-development-grants-program |
| DOE Loan Programs Office | https://www.energy.gov/lpo |
| Western Area Power Administration Transmission Infrastructure Program | https://www.wapa.gov/transmission-infrastructure-program-tip/ |
| DOE Office of Clean Energy Demonstrations | https://www.energy.gov/oced/energy-improvements-rural-or-remote-areas-0 |

