



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

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**Colin Meehan**

**March 12, 2024**

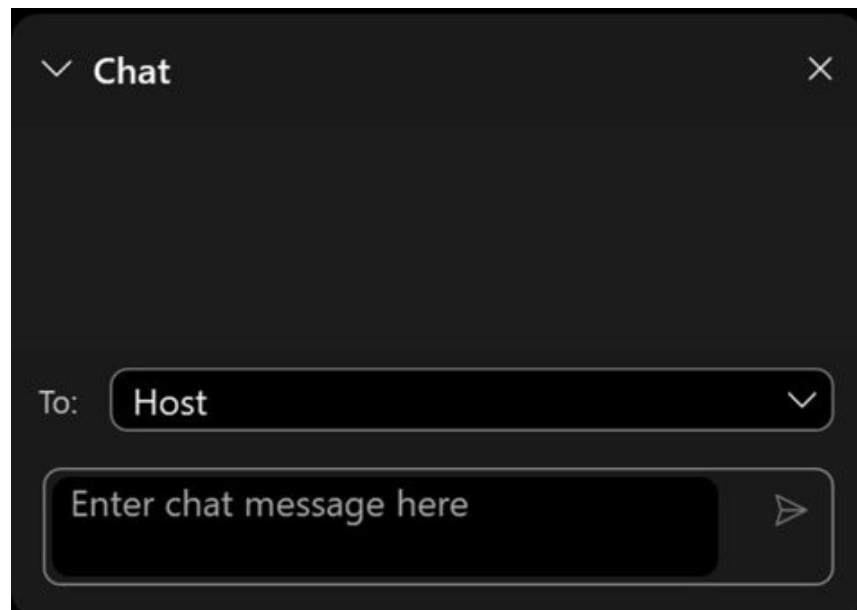
**DE-FOA-0003195**



# Housekeeping

## Questions?

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

A screenshot of a chat window with a dark background. 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". At the bottom, there is a text input field with the placeholder text "Enter chat message here" and a send button (right-pointing arrow) on the right side.

# Webinar Notice

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**Colin Meehan**  
Project Manager,  
GRIP Program



**Anne Egger**  
Project Manager,  
Grid Resilience



**Kristen Frick**  
Project Manager,  
Grid Innovation



**Isabel Sepulveda**  
Project Manager,  
Smart Grid Grants

# 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>

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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.**

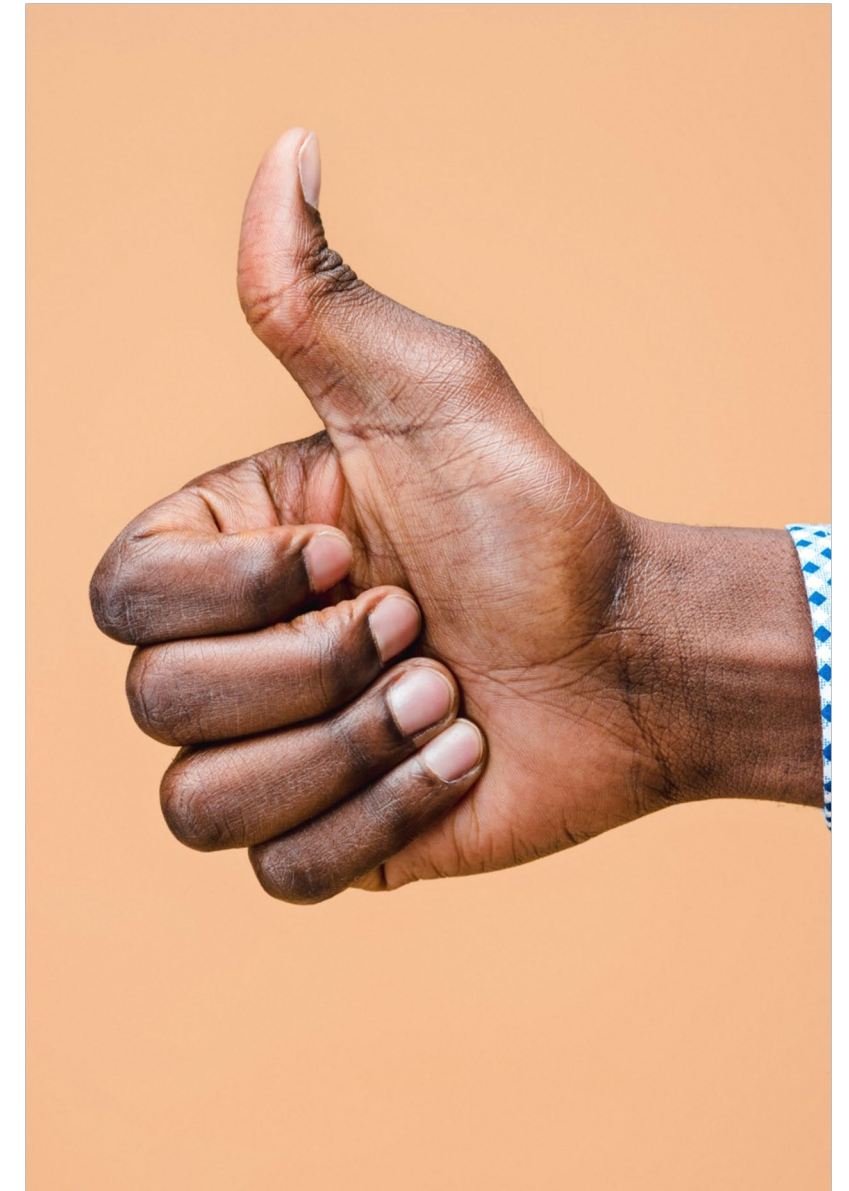


*See Section I.B of the FOA for Topic Area-specific eligibility and restrictions and information on teaming arrangements. See Section II.A.i for estimated funding levels and award sizes.*

# 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:<br><b>\$10 Million</b><br>All others:<br><b>\$50 Million</b> | All projects:<br><b>\$100 Million</b><br>Exceptions:<br><b>\$250 Million</b> | \$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.



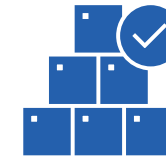
Illustrate how the approach is innovative and goes beyond business-as-usual.



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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*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:<br><b>\$50 Million</b><br>Exceptions:<br><b>\$100 million/<br/>\$250 million</b> | \$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

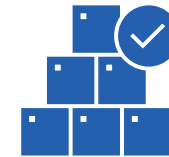
Full Applications should:



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:<br><b>\$250 Million</b><br>Exception:<br><b>\$1 Billion</b> | \$1,820 Million                        | \$5 Billion                    |

# Topic Area 3: Concept Paper Feedback

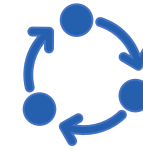
Full Applications should:



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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# Next Steps and Reminders

## APPLICATIONS DUE

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

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

