



Grid Resilience Formula Grants: Early Application Trends and Next Steps

David Parsons, Program Manager

**Grid Deployment Office
U.S. Department of Energy**

NASEO West Region Meeting
June 13, 2023



Grid Deployment Office

Mission Statement: The Grid Deployment Office (GDO) works to provide electricity to everyone, everywhere by maintaining and investing in critical generation facilities to ensure resource adequacy and improving and expanding transmission and distribution systems to ensure all communities have access to reliable, affordable electricity.

Generation Credits Division

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.

Transmission Division

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.

Grid Modernization Division

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



Grid Deployment Office

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

**NTP and Needs Studies; OSW
Convenings**

Permitting

Grid Modernization

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

GRIP Program: \$10.5 billion

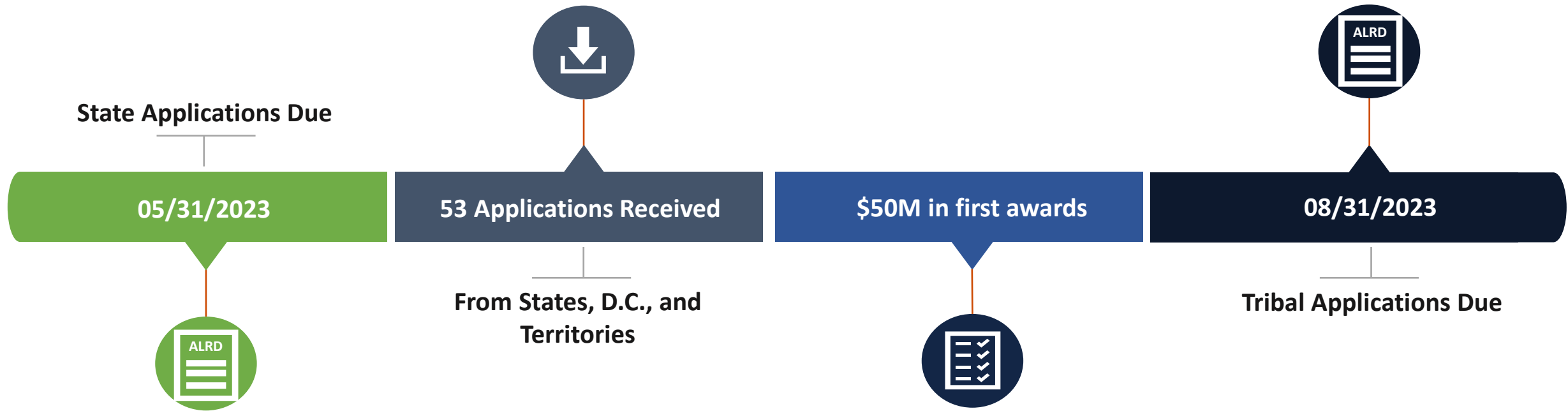
**Puerto Rico Energy Resilience
Fund:** \$1 billion

Territory Recovery Assistance

Annual Appropriations



Grid Resilience Formula Grant Application Status



- The Grid Resilience Formula Grant funding deadline for the States and Territories was **May 31, 2023**
- DOE has begun to make awards on a rolling basis
- Federal Project Officer will schedule a kick-off meeting after award is made
- DOE is working with National Associations and Labs to develop trainings, technical guidance, and track state activities related to grid resilience

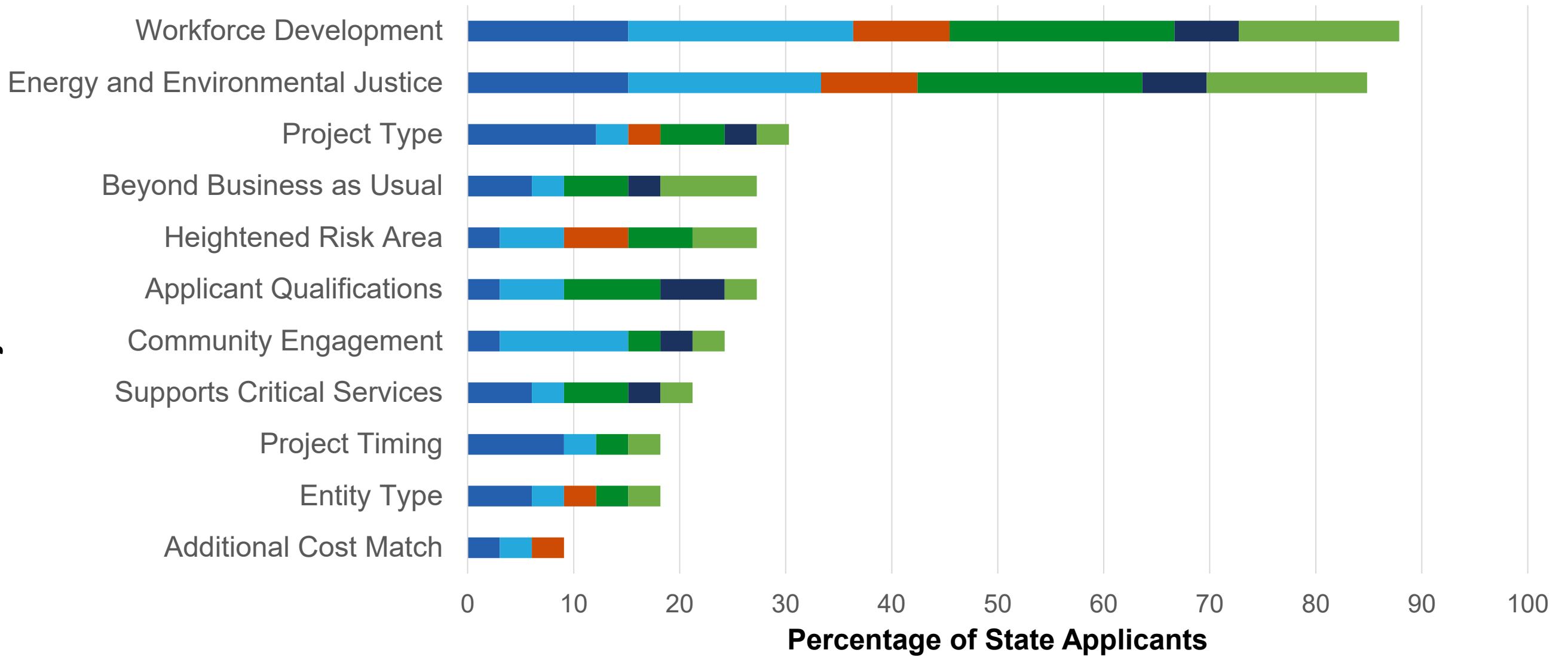
Program Trends

- While most States will use competitive solicitations to select project and State laws will ultimately dictate how funds can be allocated, **a few States are limiting the type of eligible entity and project type they will subaward to in the first years of funding**
- In most States, the State Energy Office is the lead agency, but PUCs and other agencies are taking the lead in a few States
- Some States have identified specific support roles for non-lead agencies



Project Selection Criteria Trends by US Region

Common Project Selection Criteria



Central West Southeast Midwest Mid-Atlantic Northeast



Initial GDO Takeaways on Project Selection Criteria

- **States are using an average of 6 criteria each, based on applications we've received thus far**
- **State criteria for project selection suggest a broad range of priorities, some of which may be in tension with each other**
 - *Example:* greatest # of people benefitted vs. historically underserved population
- **A few States are limiting the type of eligible entity they will subgrant to in the first years of funding**
 - *Example:* publicly-owned utilities
- **While the level of specificity around criteria provided varies widely, many states prescribe specific information that project proposals must include to support evaluation**
 - *Example:* quantification of project benefits that will flow to DACs
- **Only a subset of state applications explain how identified criteria will be applied in practice**
 - 7 ➤ *Example:* weighting of criteria



How do States apply the evaluation criteria?

A few states have already decided on a prioritization method for project proposals. Options include:

- ▶ **Meets minimum requirements** - A description of how the project will meet at a minimum one of the core program objectives, while also at a minimum not undermining other core program objectives
- ▶ **Checklist** - Project proposals must satisfy all objectives
- ▶ **Scoring** - Specific weights assigned to each objective to create a score card for each project submission

Hypothetical Score Card from Ohio Program Narrative

Criteria	Project 1	Project 2
#1 Reliability	17 / 20	10 / 20
#2 Resilience	16 / 20	19 / 20
#3 Community Impact	24 / 25	24 / 25
#4 Customer Experience	14 / 17.5	12 / 17.5
#5 Success	15 / 17.5	17 / 17.5
Total before additional points	86 / 100	82 / 100
GHG reduction project	0	10
Complete application	0	5
Final Score	86	97



What happens next?

- Upon award, recipients are authorized to proceed with technical assistance and administrative activities
- Federal Project Officer will schedule a kick-off meeting
- Within 90 days, grant recipients must submit a Project Management Plan (PMP)
- Prior to beginning resilience projects, recipients must submit a project notification package
 - Notification package reviews will include DOE reviews related to NEPA, verification of no unallowable foreign involvement, and other factors
- Recipients will submit quarterly progress reports (QPR), using the same template as the PMP
- There will be an annual reporting process for more impact-centered reporting



Grid Resilience Technical Assistance



Application and project support



In-person trainings and virtual meetings



Technical guidance and analysis



Baselining and tracking



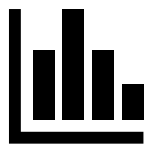
Peer sharing and examples



Energy workforce capacity building



Tribal college and university partnerships



Data gaps and solutions

Desired Outcomes

STTI have effectively taken advantage of grid resilience grant funding	☑	☑		☑	☑			
Sustainable and meaningful TA on grid resilience via multiple pathways is available to STTI		☑	☑				☑	☑
Internal capacity of STT energy workforce is expanded		☑			☑	☑	☑	
Grid resilience planning and decision-making, (including inclusive engagement) is improved		☑	☑	☑	☑			☑


*STTI = States, Tribes, Territories, and Industry

2023 Activities and Outputs (National Labs)

TA Recipients



In-person trainings and virtual meetings



In-person Grid Resilience Training Southeast Region



2 Regional Grid Resilience Trainings State Regulators, State Energy Offices

State Regulators

State Energy Offices


State Legislators

Governors' Energy Advisors


Industry




Technical guidance and analysis



3 NAERM Scenarios: hurricane, wildfire, cold weather



Climate Risk -Informed Planning for the Grid




Incorporating Equity in Grid Planning

GDO Interactive Website (Example)







Baselining and tracking



State resilience baselining data



Resilience objectives and metrics survey



Baseline utility planning workflows and decision processes



Peer sharing and examples



4 case studies: grid resilience prioritization



3 case studies: equity planning

2023 Activities and Outputs (National Groups)

TA Recipients

In-person trainings and virtual meetings





16 regional workshops
(Summer 2023)



Infrastructure Coordinators workshop
(Summer 2023)



Grid Mod. training
(Sept 2023)



Legislative Energy Horizon Institute session
(Oct. 2023)

State Regulators

State Energy Offices


State Legislators

Governors' Energy Advisors

Industry

Technical guidance and analysis



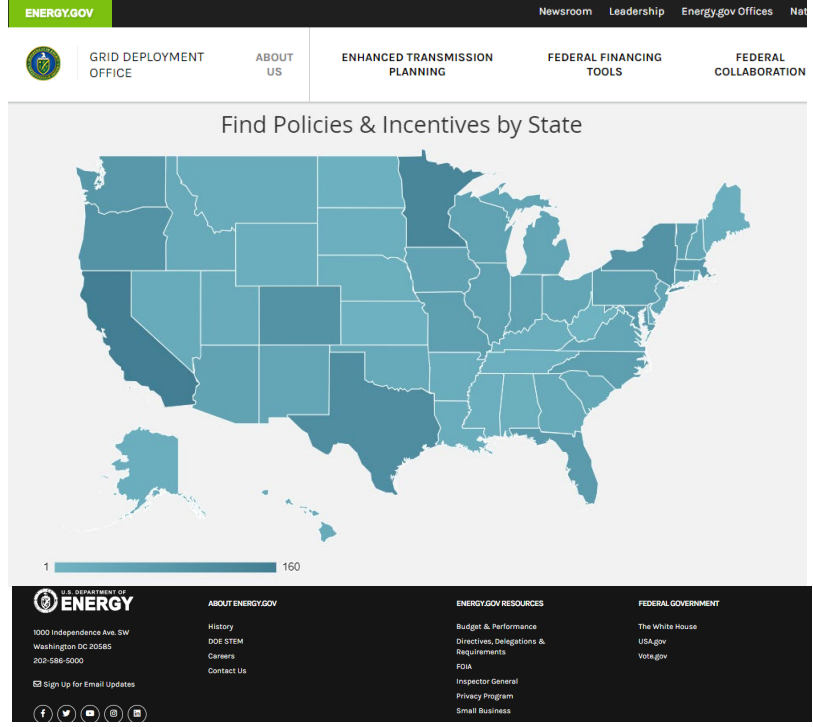


1 grid resilience mini-guide



Comprehensive TA needs assessment

GDO Interactive Website (Example)



Baselining and tracking





National Association of Regulatory Utility Commissioners



NATIONAL CONFERENCE OF STATE LEGISLATURES



NATIONAL GOVERNORS ASSOCIATION



NASEO

Ongoing tracking of state grid resilience activities

Peer sharing and examples





1 state profile



8-12 cohort topics for future training
(Sept. 2023)

Learn More about the Grid Deployment Office

The Grid and Transmission Program Conductor acts as a clearinghouse for GDO's transmission and grid resilience financing programs

Find 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>

Grid and Transmission Program Conductor

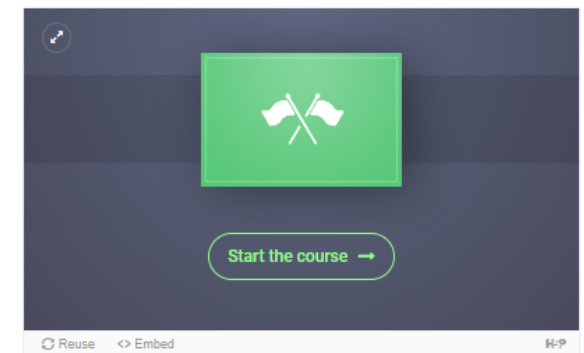
Grid Deployment Office

Grid Deployment Office » Grid and Transmission Program Conductor

The **Grid and Transmission Program Conductor** acts as a clearinghouse for GDO's transmission and grid resilience financing programs, as well as other existing DOE transmission and grid programs.

The Conductor consists of an interactive tool to find the opportunities best suited to individual projects. Scroll down to the **program summary** below or visit the **Conductor Guide** for more comprehensive information about the available funding opportunities and the application process.

Use this tool to find the best program for you:



Programs Summary

	SOLICITATION	FUNDING MECHANISM	NEXT STEPS
Transmission Facilitation Program	Solicitation for loans, public private partnerships, and additional capacity contracts in Spring 2023	Capacity contracts, public private partnerships, and loans	Applications for the first round of the Transmission Facilitation Program closed on February 1, 2023, and the review process is underway.



Contact Us



[https://www.energy.gov/gdo/
gridresilience](https://www.energy.gov/gdo/gridresilience)



David.Parsons@hq.doe.gov