

# Application: Utility and Grid Operator Rolling Technical Assistance

The U.S. Department of Energy (DOE) provides no-cost technical assistance through the Utility and Grid Operator Technical Assistance program. This program is designed to solve real-time technical challenges or near-term planning challenges utilities are facing as they transition to clean energy.

This application is for utilities and grid operators seeking up to 100 hours of subject matter expertise from NREL and other DOE labs. Focus areas include load forecasting, distribution system planning, distributed energy resources, vehicle-grid integration, building electrification, transmission and distribution coordination, bulk-power planning

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\* Required

1. First name \*

2. Last name \*

3. Email address \*

4. Phone number \*

5. Job title \*

6. Utility or organization name \*

7. Utility or organization type \*

- Municipal utility
- Electrical cooperative
- Investor-owned utility
- Regional transmission organization or independent system operator
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8. Participant's office location (city) \*

9. Participant's office location (state) \*

10. Organization size (total number of customers in service area or footprint) \*

- Less than 10,000 customers
- 10,000–50,000 customers
- 50,000–100,000 customers
- 100,000–500,000 customers
- 500,000–1 million customers
- More than 1 million customers

11. Will your team have a secondary point of contact for Utility and Grid Operator Technical Assistance? \*

Yes

No

12. First name of secondary point of contact

13. Last name of secondary point of contact

14. Email address of secondary point of contact

15. Job title of secondary point of contact

16. Tell us about the planning, regulatory, or technical challenge your utility is currently facing that could benefit from technical assistance through the Utility & Grid Operator Technical Assistance Program? \*

17. How do you expect the outcomes and learning from technical assistance to influence and inform grid investment planning or decision-making, or to otherwise lead to implementation? What upcoming decision points, either internally, from a regulatory body, or otherwise, exist? \*

18. Which area or sector does your request fall under? Select one option that best captures your area of need. \*

- Devices and integrated systems, e.g., energy storage, inverters, distributed energy resource interconnection
- Operations, e.g., flexible grid management
- Planning, e.g., integrated distribution system planning, transmission planning, demand side resource planning, load forecasting
- Markets, policies, and regulations, e.g., policies and regulations, economic valuation, resilience and reliability metrics, valuation, and mitigation
- Resilient and secure systems, e.g., cybersecurity, microgrids
- Flexible generation and load, e.g., hybrid systems, control architectures

19. What type of technical assistance are you looking to receive? \*

- Knowledge access (connecting you to information, data, and tools)
- Knowledge transfer (trainings, webinars, expert guidance)
- Knowledge application (research, modeling and analysis, markets and policy assessment, system design)
- Convening and facilitation (community engagement, facilitation, visioning, goal setting, and action planning)

20. What would success from this program look like to you? \*

21. Have you ever worked with or received technical assistance from any DOE national laboratories? If so, list which lab(s) you have worked with. Your response to this question does not impact your eligibility or selection for technical assistance; rather, it will ensure that we build on existing and previous work where possible. \*

22. What is your organization's capacity in the clean energy area or sector related to this request? This will help us determine which experts, and which output formats, will be the best fit for your specific technical assistance request. \*

- We have no in-house capacity (i.e., no staff person with expertise in this topic area).
- We have little in-house capacity (e.g., a staff person with some expertise in this topic area who may be responsible for a lot of other areas, too).
- We have moderate in-house capacity (e.g., a staff person who dedicates most of their time to this topic area).
- We have substantial in-house capacity (e.g., more than one staff person dedicates most of their time to this topic area).

23. How soon do you need the requested assistance to inform the decision making, plan, policy, or project you are working on? \*

- 1–3 months
- 4–8 months
- 8–12 months
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24. Do you envision needing to share data with national Labs as part of your technical assistance project? If so, do you have a person on staff to facilitate that data sharing? \*

25. Would you like to subscribe to the Utility and Grid Operator mailing list to receive information about future opportunities for support in transitioning to clean energy? \*

- Yes
- No

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