

Resources and Assistance for State Energy Offices and Regulators Program

Informational Webinar – Deep Dive
May 3, 2024



Agenda

- Opening Remarks
- Program Overview
- Deep Dive Application Support Opportunities
- Questions

Provide Technical Assistance to PUCs and SEOs



PUC



SEO



Opening Remarks



NARUC

National Association of
Regulatory Utility Commissioners

Jeff Loiter



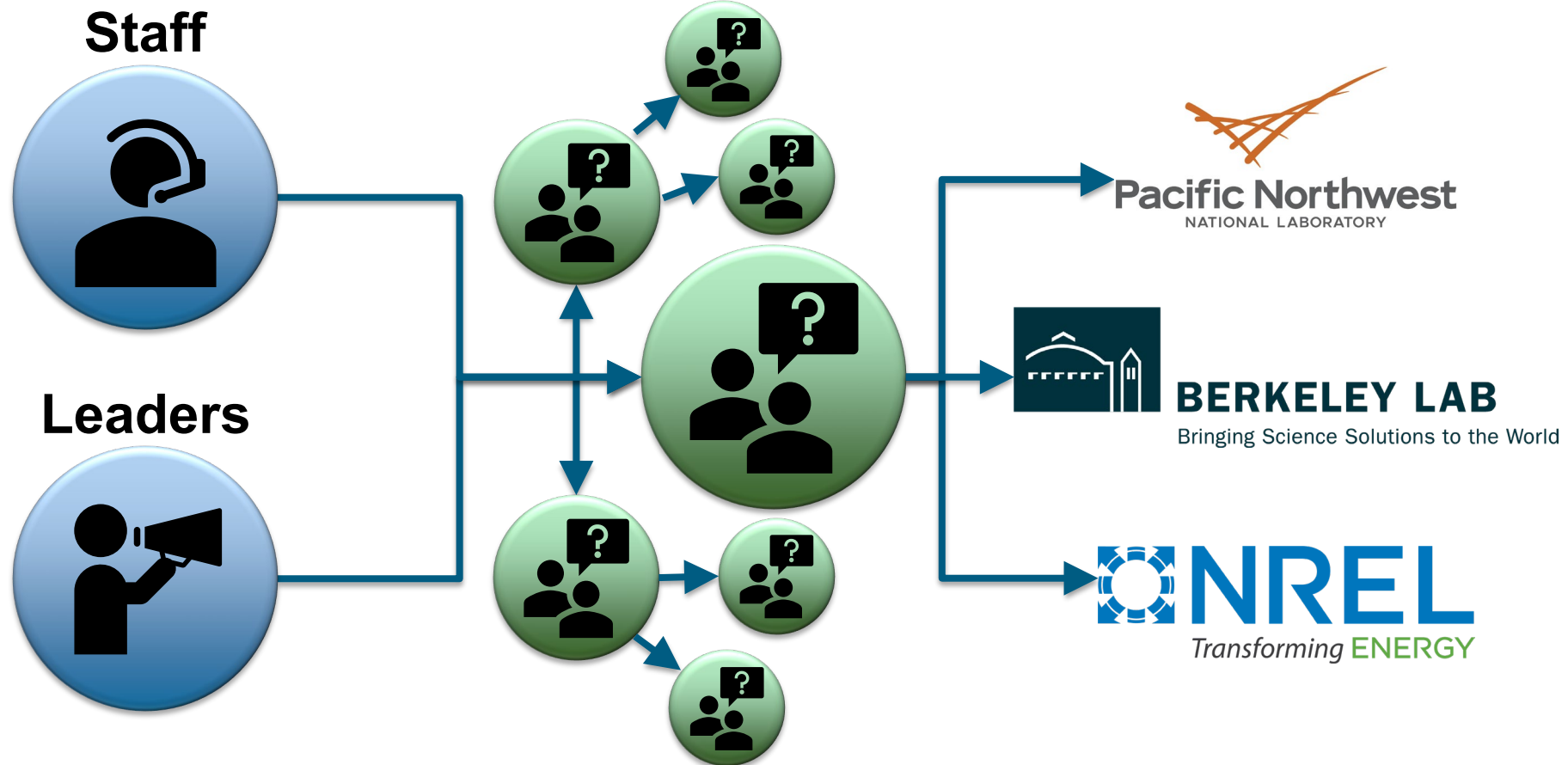
*National Association of
State Energy Officials*

Kirsten Verclas

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Provide Technical Assistance to PUCs and SEOs

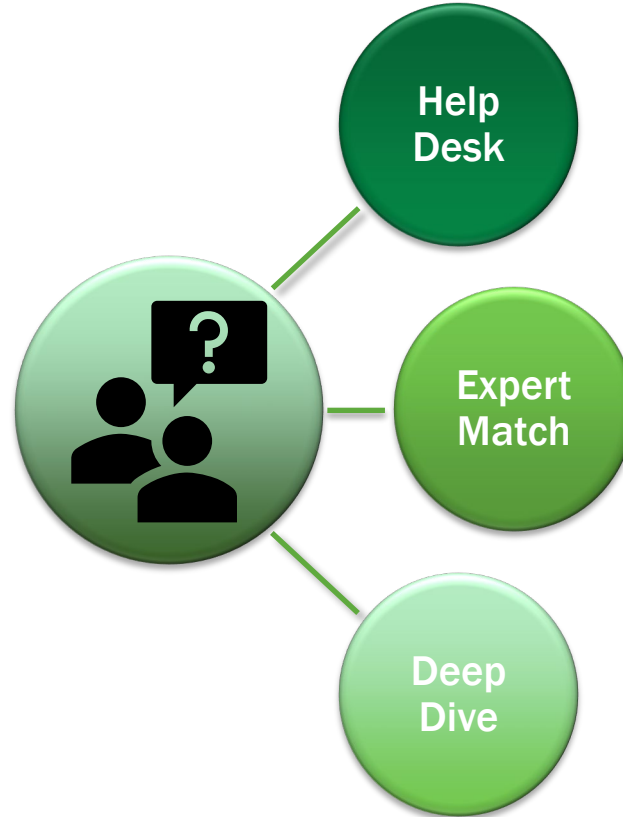


Key Topical Areas

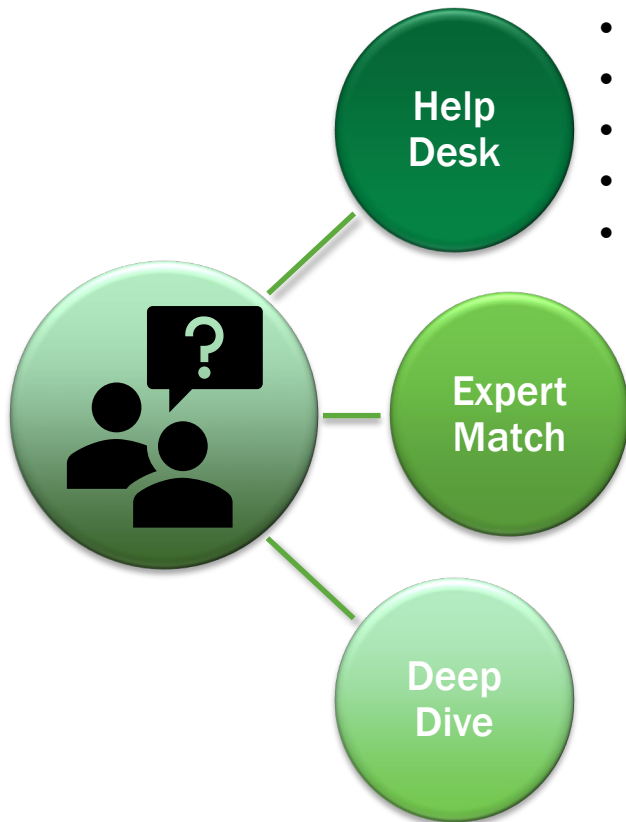


Requests on any topic will be considered

Multi-Modal TA Opportunities



Help Desk TA Opportunity



- Online intake form w/ rolling screening
- Program rep will connect w/in 2 days to clarify request
- SME will connect w/in 5 days to begin addressing request
- SME provides up to 4 person-hours of support
- Intake form and support available starting **March 13th**

Help Desk Technical Assistance Activities



Help Desk Example #1

- **TA Request**: Due to FERC Order 2222, PUC wants to vet the list of issues they believe should be addressed to allow aggregators to operate in their retail electricity market and better understand what other states have done to inform how the PUC might want to prioritize these issues
- **TA Delivered**: Written list of states with recent proceedings to allow aggregators to participate in the retail electric market and discussion around what issues have been tackled and prioritized



Help Desk Example #2

- **TA Request**: SEO want to better understand the size and scope of property value impacts associated with renewable energy development projects for a community education program.
- **TA Delivered**: Virtual presentation on recent empirical literature on property value impacts from renewable energy development and a facilitated discussion about how the results of that literature could inform the design of a future SEO educational program for communities on this issue

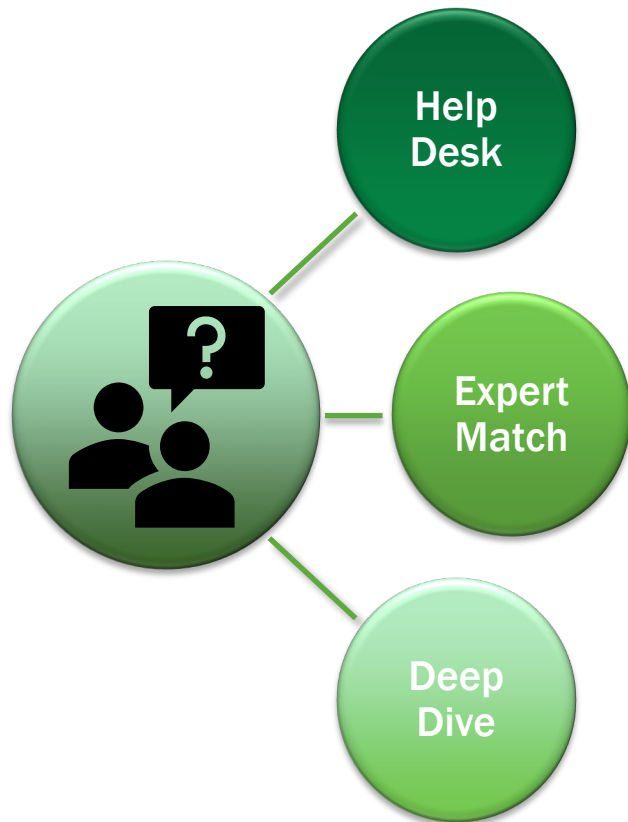


Help Desk Example #3

- **TA Request:** PUC and SEO are jointly holding a virtual workshop on transportation electrification and are looking for someone to sit on a electric vehicle rate design panel
- **TA Delivered:** Virtual presentation at the workshop on recent research categorizing and summarizing utility-offered electric vehicle rate designs



Expert Match TA Opportunity



- Online intake form w/ rolling review
- Program rep will connect w/in 2 days to clarify request
- SME will connect w/in 5 days to begin addressing request
- SME provides up to 80 person-hours of support
- Intake form and support available starting **April 1st**

Expert Match Technical Assistance Activities



Expert Match Example #1

- **TA Request**: PUC manager wants to understand how smart inverters could be more directly integrated into the state's utilities' distribution system planning efforts and hosting capacity analyses
- **TA Delivered**: Presentation on IEEE 1547-2018 standard on smart inverters, what settings have been typically required in other states, and how these settings could be integrated into distribution system planning efforts and hosting capacity analyses



Expert Match Example #2

- **TA Request**: A staff member at an SEO wants to understand different ways to calculate energy burden, assess which states are using which methodology, and determine how these different methods might affect their program design and evaluation efforts
- **TA Delivered**: Technical memo documenting all the different ways to calculate energy burden and a state-by-state assessment of who uses which method, followed by a series of conversations

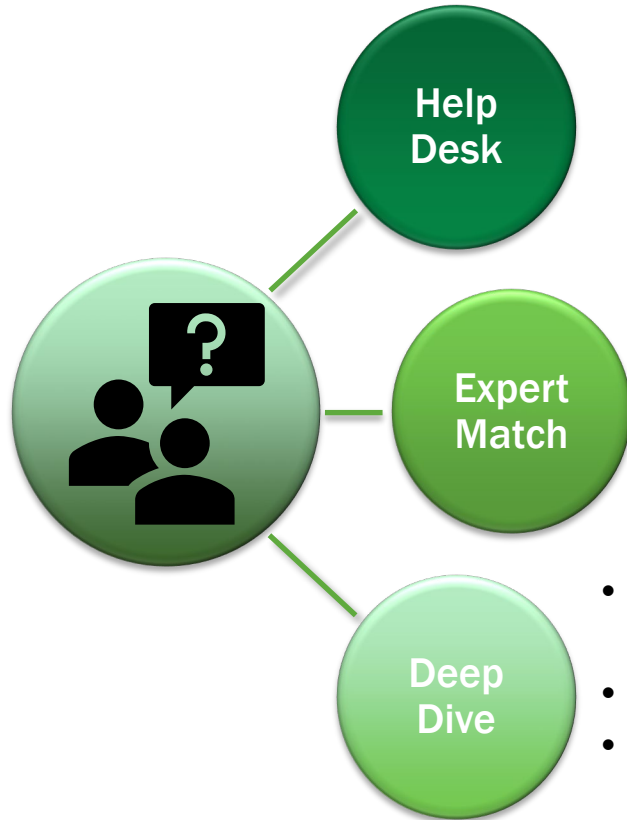


Expert Match Example #3

- **TA Request**: PUC and SEO are jointly developing a policy on EV charging infrastructure, including the role of the state's investor owned utilities (IOUs) vis-à-vis private charging companies
- **TA Delivered**: Technical memo highlighting the opportunities and challenges associated with allowing IOUs to own and operate charging stations, followed by a series of conversations with leaders from the PUC and SEO

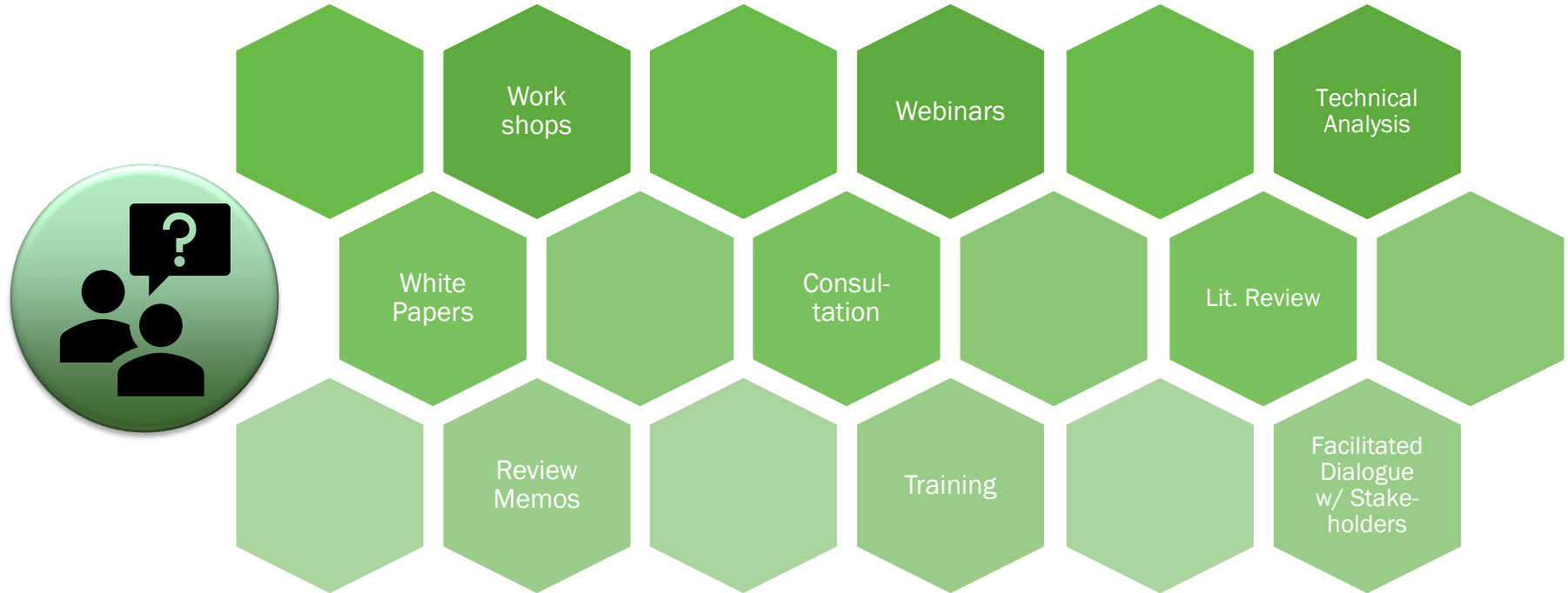


Deep Dive TA Opportunity



- Detailed application form w/ planned 9-month work cycle by Labs & DOE, with limited opportunity for mid-cycle review
- Team of SMEs provide 80+ person-hours of support
- Detailed online application due **June 19th** with TA starting in late **September**

Deep Dive Technical Assistance Activities



Deep Dive Example #1

- **TA Request**: PUC manager wants to evaluate the consideration of electric vehicles (EVs) and the value of vehicle-to-grid applications in distribution system planning (DSP)
- **TA Delivered**: Report on key topics affecting EVs in DSPs; two training sessions covering the valuation of EVs in DSPs and any relevant experiences in other states; and facilitated conversations based on the PUC's review of an DSP supplement submitted by one of the utilities



Deep Dive Example #2

- **TA Request**: A division director at a SEO wants to develop a draft framework for incorporating equity implications into utility-scale renewable energy (RE) procurement processes
- **TA Delivered**: Report and series of presentations that includes: (1) a summary of equity definitions and adjacent terms; (2) a summary of the SEOs existing procurement framework and stakeholder concerns; and (3) possible pathways along with exercises to help determine which to pursue



Deep Dive Example #3

- **TA Request**: PUC and SEO are jointly seeking to build capacity for their newer staff and leaders on the topic of forecasting as it relates to the electricity sector
- **TA Delivered**: A series of in-person workshops on forecasting, including basics and best practices associated with different applications (i.e., load, electric vehicles, building electrification) and a deeper dive into benchmarking, risk, and uncertainty issues associated with these forecasts

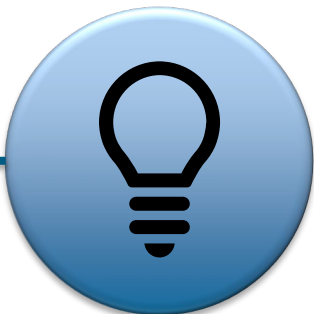


Access TA Request Forms & Resource Library

<https://StateTAProgram.lbl.gov>



PUC



SEO



BERKELEY LAB

Bringing Science Solutions to the World



Pacific Northwest
NATIONAL LABORATORY



Transforming **ENERGY**



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Online Deep Dive TA Support Materials

OVERVIEW RESOURCES

Background

The Resources and Assistance for State Energy Offices and Regulators program is funded by the U.S. Department of Energy's (DOE) Office of Energy Efficiency & Renewable Energy as well as the Office of Electricity. The program is offered in conjunction with Lawrence Berkeley National Laboratory (Berkeley Lab), Pacific Northwest National Laboratory (PNNL), and the National Renewable Energy Laboratory (NREL). The goal of the program is to provide high-impact technical assistance and resources at scales and intervals that are responsive to public utility commissions (PUC) and state energy offices (SEO) needs through multi-modal support options. It is designed to be responsive to a rapidly changing regulatory and policy landscape that seeks to match the timing and depth of questions with National Laboratory subject matter experts (SME) on key topical areas. This program augments and complements current technical assistance activities undertaken by various DOE program offices.

State Technical Assistance Program



Providing resources and assistance for
state energy offices and regulators

stateTAprogram.lbl.gov



Expand/Collapse All

→ Applying for Technical Assistance Opportunities

→ Topical Areas Eligible for Technical Assistance


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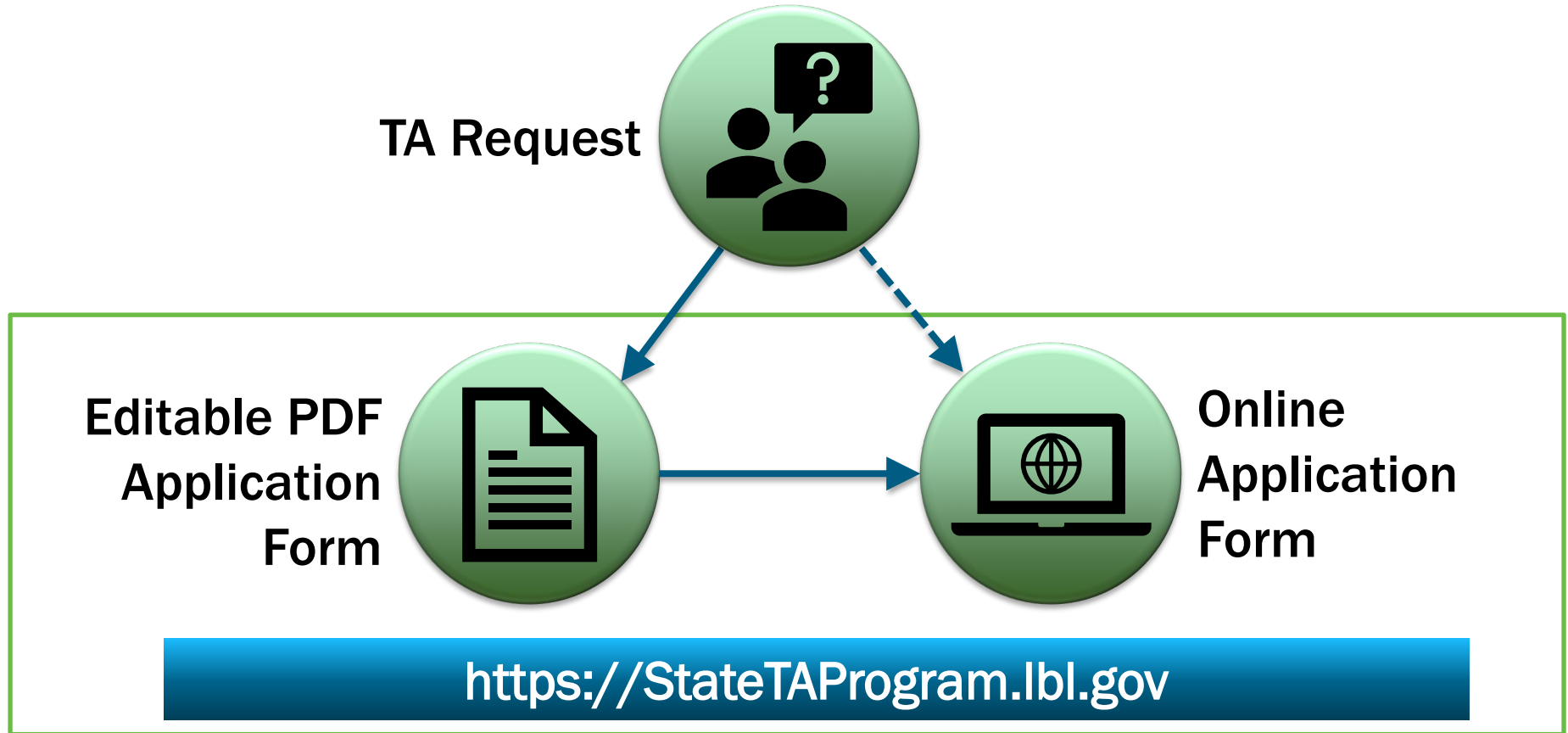
→ Applying for Technical Assistance Opportunities

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- Applying for Technical Assistance Opportunities

- **Help Desk:** This type of technical assistance is intended to address inquiries that require a quick, short and narrow response of no more than 4 person-hours. To access this type of technical assistance, a PUC and SEO will complete this short [intake form](#). Within two (2) business days, a representative from the program will acknowledge receipt of the request for technical assistance via email and, if need be, schedule a short conversation to clarify the request. From there, an SME will connect with the requestor within five (5) additional business days to provide no more than 4 person-hours of technical assistance. This type of technical assistance is available starting on March 13th, 2024. To help potential requestors better understand what types of support could be provided, we have created a short [video](#) and a few examples [here](#), [here](#), and [here](#).
- **Expert Match:** This type of technical assistance is intended to address inquiries that require some more time and effort of no more than 80 person-hours. To access this type of technical assistance, a PUC and SEO will complete this short [intake form](#). Within two (2) business days, a representative from the program will acknowledge receipt of the request for technical assistance via email and schedule a short conversation to clarify the request. From there, an SME will connect with the requestor within five (5) additional business days to begin providing technical assistance that will ultimately take no more than 80 person-hours of effort. This type of technical assistance is available starting on April 1st, 2024. To help potential requestors better understand what types of support could be provided, we have created a short [video](#) and a few examples [here](#), [here](#), and [here](#).
- **Deep Dive:** This type of technical assistance is intended to address inquiries that require considerable time and effort of multiple person-months. To access this type of technical assistance, a PUC and SEO will complete this detailed [application form](#). The application form contains all of the information on the process for submitting, reviewing and selecting applications to receive technical assistance. Applications will be accepted beginning on April 24th, with a deadline for submission of June 19th. Awardees will be notified in mid-to-late September. To help state PUCs and SEOs develop the necessary responses for the online application form, an editable PDF version of the application form is available [here](#), which can be filled out offline and whose content can be later transferred (copy and paste) into the official online application form by the required deadline. To help potential requestors better understand what types of support could be provided, we have created a short [video](#). In addition, there will be a series of virtual office hours where potential applicants can get answers from the National Lab team managing this technical assistance program regarding more specific questions that pertain to their unique proposals. Sign up [here](#) for a 30 minute slot during one of the five available dates: May 7th (1PM-3PM EDT), May 15th (2PM-4PM EDT), May 23rd (11PM-1PM EDT), May 29th (1PM-3PM EDT), and June 13th (2PM-4PM EDT). Once you reserve your slot, you will receive a calendar invite with teleconference credentials to access the office hours at that time. A public webinar, jointly hosted by DOE, the National Labs, NARUC and NASEO, will be held on May 3rd from 2-3PM EDT to provide details about the program and the application process as well as answer questions. Register for the webinar [here](#).

Deep Dive TA Application Form

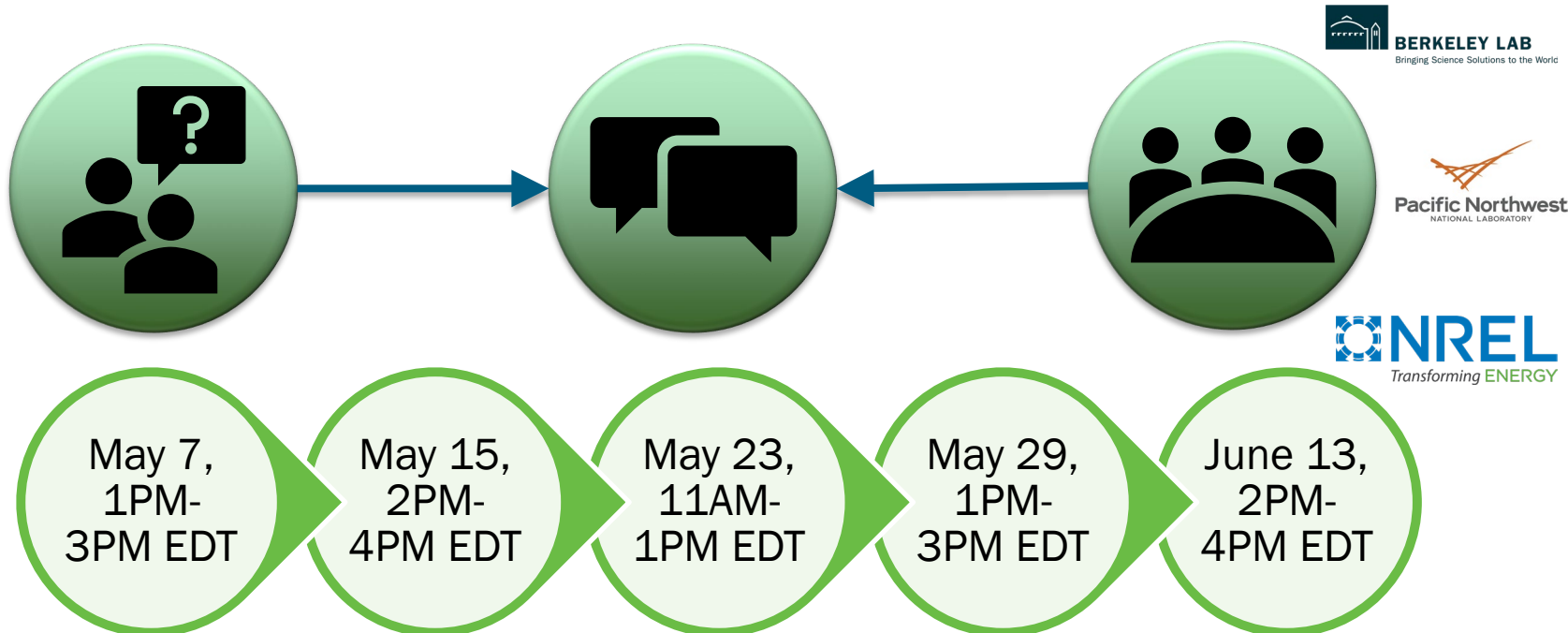


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<https://StateTAProgram.lbl.gov>

Deep Dive TA Office Hours



**Schedule a 30 minute time slot @
<https://calendar.app.google/cF6G6XBYPbKj8drw7>**

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Questions

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