



MESC

OFFICE OF MANUFACTURING AND ENERGY SUPPLY CHAINS

Industrial Assessment Centers (IAC) Implementation Grants: Qualified Third-party Assessor Kick-off

Office of Manufacturing and Energy Supply Chains
Undersecretary for Infrastructure, DOE

November 2nd, 2023

Welcome!

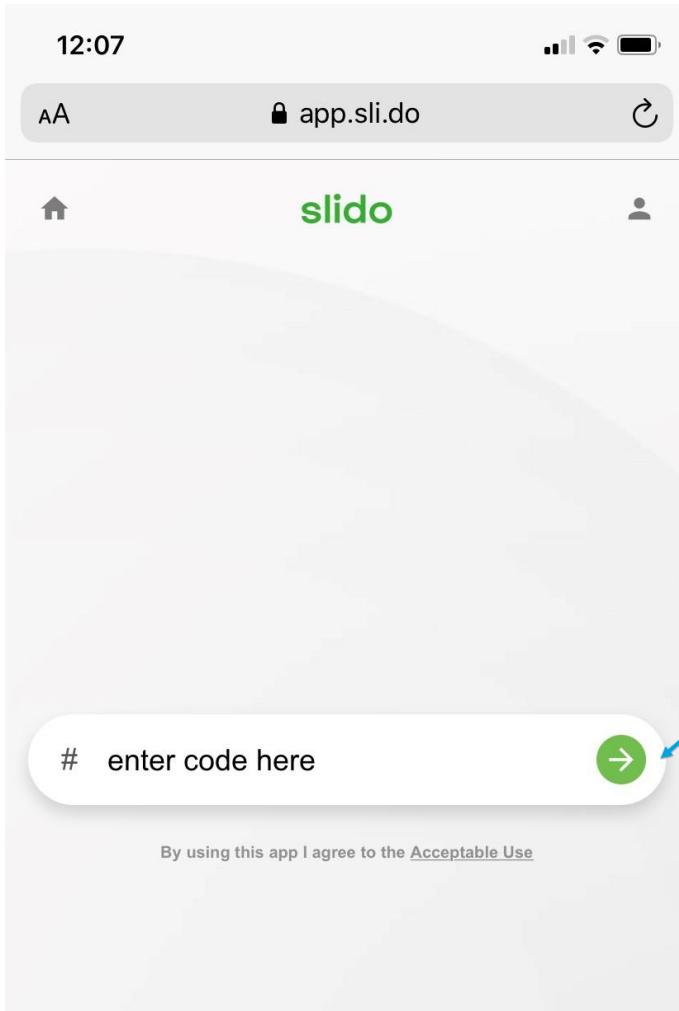
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Please mute your phones and we'll begin momentarily



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#IACKickOff

Select the room that fits your question (Workstream 1: Implementation Grants Applications or Workstream 2: Third-Party Assessor Applications)

Agenda

- IAC Implementation Grants Program Overview
- Qualified Third-Party Assessor Overview
- Qualified Third-Party Assessor Goals & Expectations
- Q&A
- Next Steps

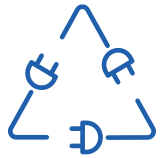


IAC Implementation Grants

Bipartisan Infrastructure Law Provision 40521.b1



\$80M in funding available for the first year of program operation
(Additional funding available in the next couple years depending on demand)



Grants awards of up to **\$300,000 per manufacturer**, at a 50% cost share;
Criteria: 50% impact/feasibility; 25% financial need + cost share; 25% community benefits



Eligibility exclusively for **small- and medium-sized¹ manufacturing firms** & water treatment facilities



To **address energy assessment recommendations** by IACs, DOE Combined Heat and Power/Onsite Energy TAPs, or **other third-party assessors deemed equivalent by DOE**

1. Small and medium-sized manufacturer is a firm with: a gross annual sales of less than \$100M, fewer than 500 employees at the plant site, and annual energy bills between \$100,000 - \$3,500,000. If the manufacturer/facility is an individual LLC that pays separate taxes from the parent company, then the eligibility is based on the LLC.



Workstream 1: Implementation Grants Funding

Provide federal funding to eligible SMMs to implement recommendations made in:

- IAC or CHP/Onsite Energy TAP assessments starting in 2018, or
- Qualified third-party assessments¹ starting in 2021

Covered projects include energy assessment report recommendations that:



Improve site energy and/or material efficiency



Improve site cybersecurity infrastructure



Improve site productivity



Reduce site waste production



Reduce site greenhouse gas emissions and/or nongreenhouse gas pollution

1. Ten energy assessment providers have been selected for qualification as “IAC-equivalent;” see the list at the bottom of the page [here](#).



Workstream 2: Third-Party Assessor Qualification

Identify entities interested in qualifying as a “**third-party assessor that provides an assessment equivalent**” to an Industrial Assessment Center or CHP/Onsite Energy TAP assessments

Eligible assessors meet the following criteria:



Applicant is a domestic entity¹



The assessor's protocol and implementation recommendations are vendor-agnostic for implementation-related products and services



Their assessments are not limited to one or a small set of technology areas or interventions

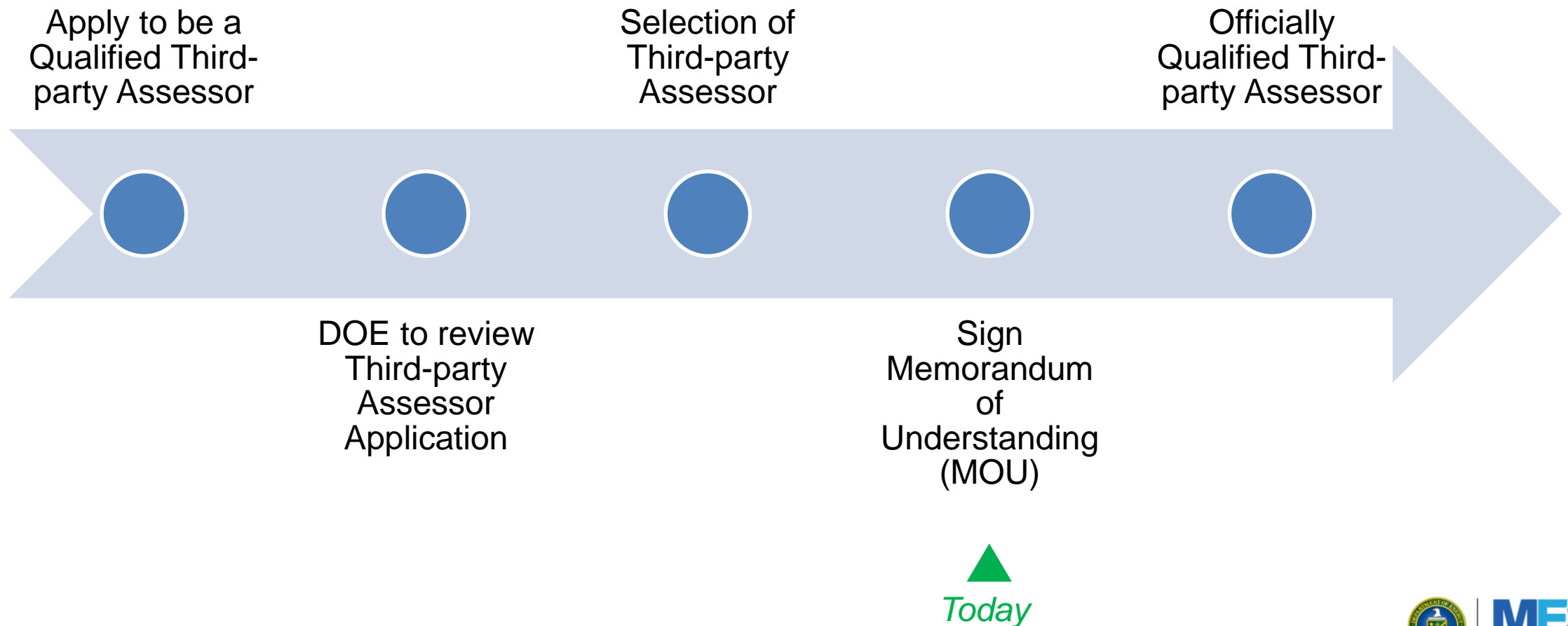


The assessor is willing, if selected for qualification, to provide its assessment protocols and details on calculations when requested, and to interact with, DOE, the IACs, and other key program stakeholders to share best practices and ensure quality

1. To qualify as a domestic entity, the entity must be organized, chartered or incorporated (or otherwise formed) under the laws of a particular state or territory of the United States; have majority domestic ownership and control; and have a physical place of business in the United States



Third-Party Assessor Process and Onboarding



Third-Party Assessor Qualification Goals



Expand eligibility
and access of IAC
Implementation
Grant Funding



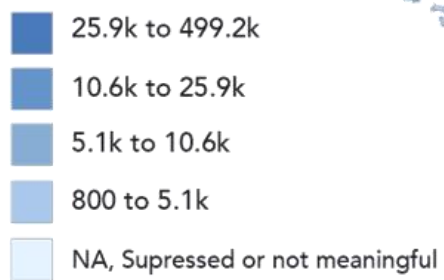
Qualify proven
energy assessments
to drive further
energy savings



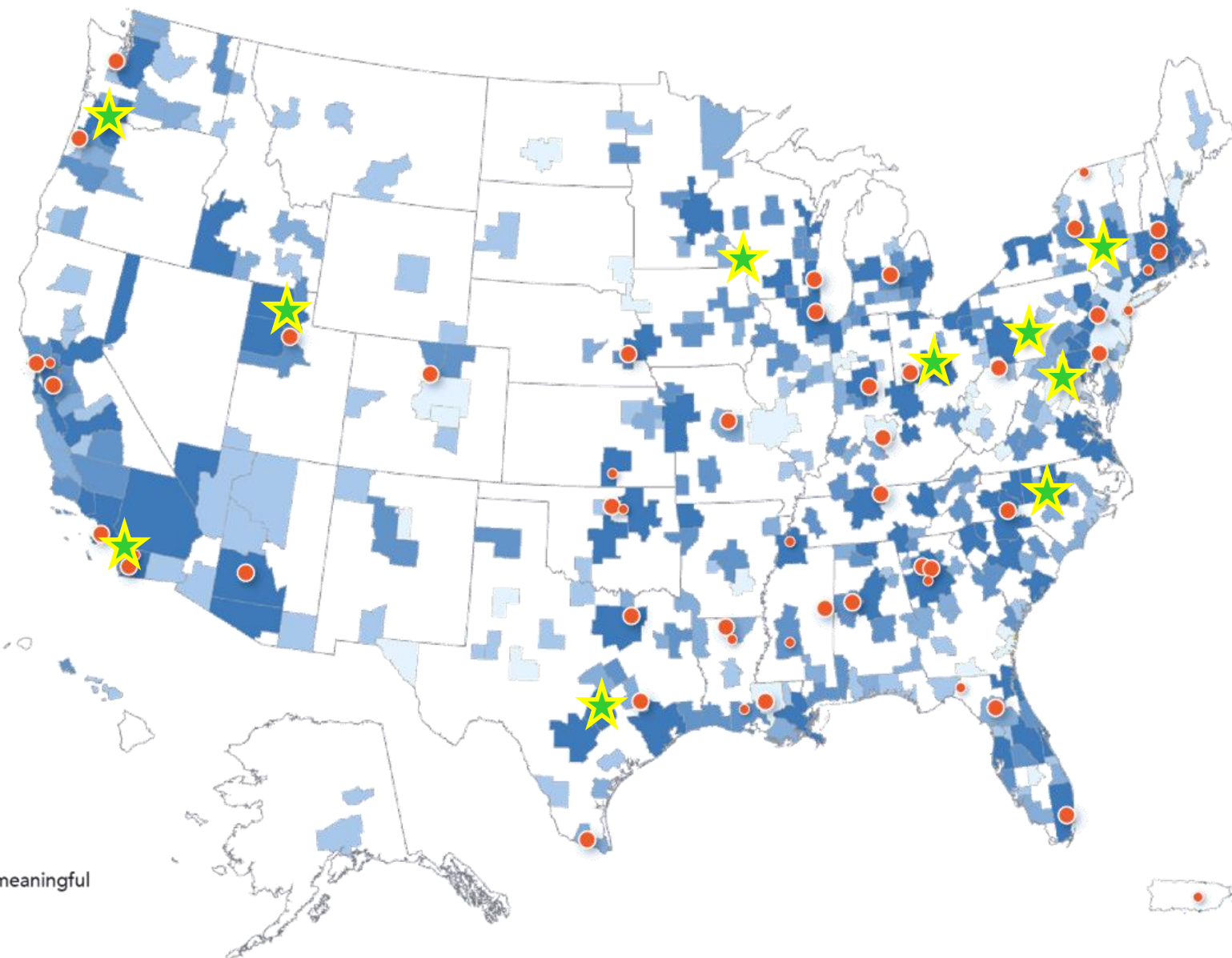
Develop a cohesive
assessor network to
share best practices
and activities

- Industrial Assessment Centers and Satellites
- Third-Party Assessor Selectees

Manufacturing Employment, 2021



Source: BEA
U.S. Metro Portion = 10,597,115



Third-Party Assessor Do's & Don'ts

Be sure to continually refer to the MOU!



- Conduct yearly follow up to track implementation status
- Stay up to date and share best practices with IAC Parties
- Disseminate information about Implementation Grants
- Make reasonable efforts to include students, interns, apprentices, or other trainees in assessment activities
- Make reasonable efforts to deliver on the objectives of the [Justice40](#) initiative & IAC Program
- Agree to have personnel from the IAC Parties participate in at least one assessment per year
- Share assessment information, feedback, case studies, or other information with the IAC Parties



- Advertise its assessments as subsidized by the DOE
- Recruit a manufacturer that it knows to have planned an IAC or CHP TAP assessment to use its assessment services instead
- Represent this qualification as any further endorsement from the DOE beyond qualifying Assessor as a provider of IAC-equivalent assessments
- Fill out grant applications for clients (supporting clients with technical and substantive questions is allowable)

Next Steps

- Review and Sign Memorandum of Agreement (MOU) to officially qualify as third-party assessor
- Reach out to qualified clients who've received an assessment starting January 2021 to apply for the IAC Implementation Grants Opportunity
- Attend any of the upcoming office hour sessions or reach out to info@energywerx.org if you have any further questions

Helpful Links

Resource	Link
1 IAC Opportunity Announcement (including FAQs)	<u>DOE Industrial Assessment Centers (IAC) Implementation Grant Program - Open Solicitation Energywerx</u>
2 Workstream 1 Application	<u>ENERGYWERX Submission Manager - Workstream 1: Implementation Grants: 2018-2023 IAC or CHP TAP Assessments (submittable.com)</u>
3 Workstream 2 Application	<u>ENERGYWERX Submission Manager - Workstream 2: Third-Party Assessor Qualification Questionnaire (submittable.com)</u>
4 DOE Press Release	<u>Biden-Harris Administration Announces \$80 Million To Strengthen American Manufacturing Department of Energy</u>
5 MESC IAC Implementation Grants	<u>Industrial Research and Assessment Center Implementation Grants Department of Energy</u>
6 IAC Program	<u>Industrial Assessment Centers (IACs) Department of Energy</u>
7 CHP TAP Program	<u>CHP Technical Assistance Partnerships (CHP TAPs) Better Buildings Initiative (energy.gov)</u>
8 Sign up for MESC Alerts for future funding Opportunities	<u>DOE Office of Manufacturing and Energy Supply Chains (govdelivery.com)</u>



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Appendix

INVESTING IN AMERICA'S ENERGY FUTURE

Overview: Industrial Assessment Centers (IACs)

IAC Program

- **37 universities** around the country have conducted over **20,000 IAC assessments** over more than 40 years
- The program provides technical assistance to small- and medium-sized manufacturing firms while training the next generation of energy-savvy engineers
- Assessments typically identify **>\$130K in potential annual savings**, with **~\$50K implemented** in the first year – and the potential for much more with the implementation grants



To learn more and apply for an IAC assessment, visit iac.university

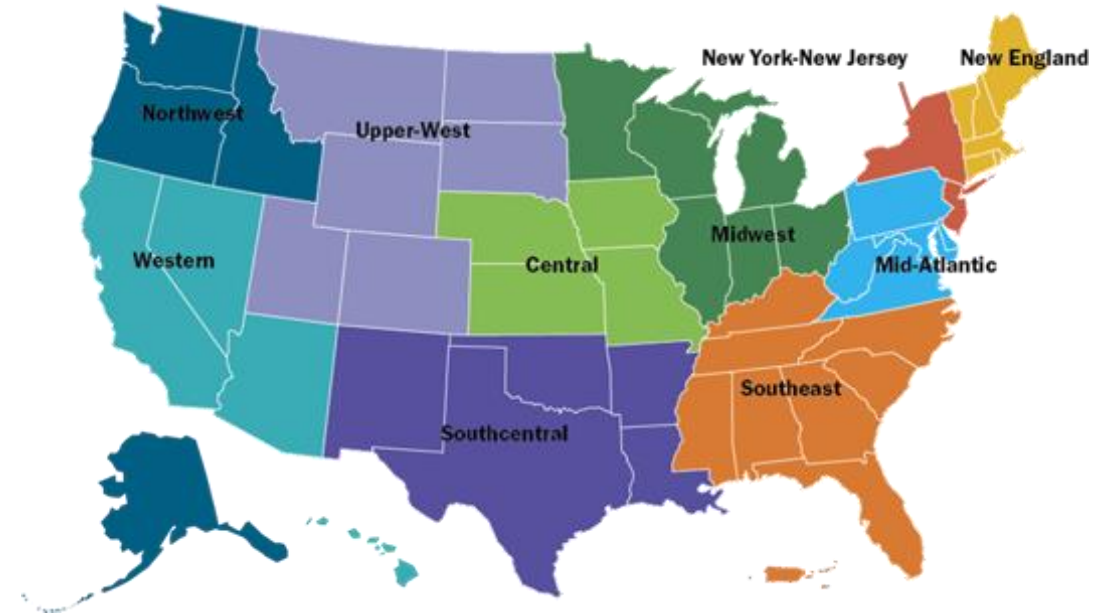


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Overview: Combined Heat and Power Technical Assistance Partnerships (CHP TAPs)

CHP TAP Program

- **10 regional entities** around the country have conducted **>1000 technical screenings** over the past 5 years
- Partner with manufacturers to identify cost effective & resilient ways to deploy combined heat & power (CHP)
- Identify and address barriers to using CHPs to advance regional efficiency, promote energy independence, & enhance the nation's grid resiliency



To learn more and apply for a CHP TAP assessment, visit
<https://betterbuildingssolutioncenter.energy.gov/chp/chp-taps>



IAC Implementation Grants Program Process



To learn more about the grants program, including FAQs and how to apply, visit
<https://www.energywerx.org/opportunities/iac-round-2>

*DOE cannot guarantee that third-party assessments will be free



The Application Process

When to Apply?

The IAC grants program **operates on a rolling basis** and applications may be submitted at any time through the year, with reviews after the following deadlines:

- December 31, 2023
- March 31, 2024
- June 30, 2024
- September 30, 2024

How to Apply?

In contrast to traditional DOE funding opportunities, the IAC grants program has a **very simple and straightforward application form and process** via Submittable

- [Workstream 1 \(Implementation Grants Funding\) Application](#)
- [Workstream 2 \(Third-Party Assessor Qualification\) Application](#)

Other Questions?

The IAC grant program team will be hosting informational monthly office hours:

- Nov. 16, 2023, from 1:00-2:00 PM ET: Click [here](#) to RSVP
- Dec. 7, 2023, from 1:00-2:00 PM ET: Click [here](#) to RSVP

Click [here](#) to review **frequently asked questions (FAQs)**. If you have additional questions, please contact ENERGYWERX: info@energywerx.org

