Industrial Assessment Centers (IAC) Implementation Grants

Office of Manufacturing and Energy Supply Chains

Undersecretary for Infrastructure, DOE

October 19th, 2023

Welcome!

This webinar is being recorded and will be published online

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Please mute your phones and we'll begin momentarily

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Submit Questions in Slido
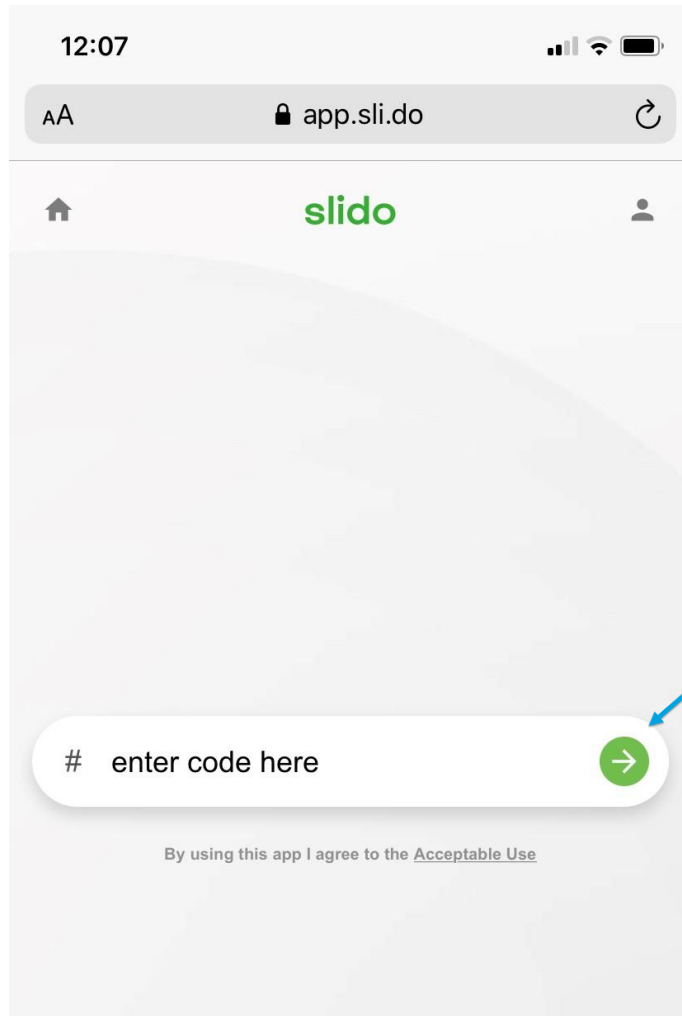
Visit **https://app.sli.do/event/rnQSBSKV5URkEcHP19L9h3** or **scan the QR code below**

OR go to www.slido.com using your mobile device or web browser and **enter event code # Oct19OfficeHours**

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

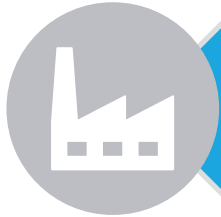Send **technical assistance** questions in Teams Chat to **Host.**

IAC Implementation Grants Open Solicitation

~$80M in funding available

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-sized[1] manufacturing firms & water treatment facilities

To address recommendations by IACs, DOE Combined Heat and Power TA Partnerships, or other assessments deemed equivalent by DOE*

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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

Industrial Assessment Centers 2022-2026
HTTPS://IAC.UNIVERSITY

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

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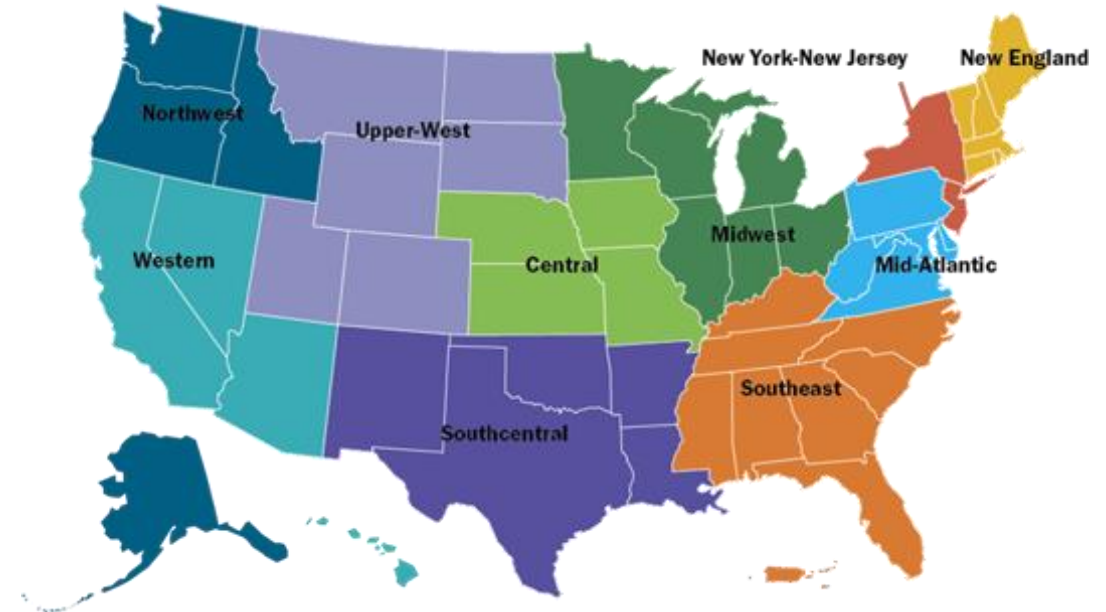
To learn more and apply for a CHP TAP assessment, visit https://betterbuildingssolutioncenter.energy.gov/chp/chp-taps

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What is a covered project under the IAC Implementation Grants Program?

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

IAC Implementation Grants Opportunity: Two parallel workstreams

Workstream 1: Implementation Grants

Provide **federal funding** to eligible SMMs to implement recommendations made **in IAC or CHP TAP assessments** starting in 2018, or **qualified third-party assessments** starting in 2021

Workstream 2: Third-Party Assessor Qualification

Identify entities interested in qualifying as a **"third-party assessor that provides an assessment equivalent"** to an IAC or CHP TAP assessment

Relaunch of the IAC Implementation Grants Program

What's new in the latest relaunch of the IAC Implementation Grants Program?

Adopted a rolling application

Established pre-determined time intervals for application review (e.g., quarterly)

Clarified eligibility criteria

Streamlined landing page & application forms

Hosting monthly office hour sessions

Updated Application Design: Workstream 1

Grant Funding Request

Embedded table & questions to simplify grant funding request

Entity Information

Targeted questions to get further detail on firm and facility operation

Entity Eligibility

Curated questions to help minimize eligibility barriers for grant funding

Project Narrative

Simplified Project Narrative to guide applicants to creating a complete proposal

Updated Application Design: Workstream 2

Assessment Capabilities

On average, roughly how many energy assessments do you conduct per year for small and medium-sized manufacturers? *
- ○ 0-10
- ○ 10-20
- ○ 20-30
- ○ 30 +

Is there a cost to recipients who receive an assessment from you? *
- ○ Yes
- ○ No

Do you support assessment recipients in implementing recommended projects? *
- ○ Yes
- ● No

Does your assessment consider multiple systems, technologies, and solutions? *
- ○ Yes
- ○ No

Directed questions to collect additional information on assessor's assessment scope, protocol, and capabilities

Sample Assessments

Supplementary Documentation

Please share 2-3 samples of assessment reports since January 2021. If applicable, please be sure to include samples of both in-person and virtual types of assessment reports in the submission

Upload Sample 1 *

[Choose File]

Upload a file. No files have been attached yet.
Acceptable file types: .doc, .docx, .pdf

Upload Sample 2 *

[Choose File]

Upload a file. No files have been attached yet.
Acceptable file types: .doc, .docx, .pdf

Upload Sample 3

[Choose File]

Upload a file. No files have been attached yet.
Acceptable file types: .doc, .docx, .pdf

Note: If your entity conducts both virtual and in-person assessments, please be sure to include samples of both type of assessment reports in the submission.

Request for assessment reports including - detail on key activities, proposed recommendations, est. implementation costs & savings

Project Narrative

Project Narrative Questions

Provide an overview of the organization – including type of assessments the applicant conducts, key assessment experience (e.g., number of assessments conducted over the past 5 years, realized savings for clients), and typical assessment clients. Additionally, how the organization may be a good fit as an "IAC-equivalent" assessor. *

Please provide 1-2 paragraphs.

Note: See here for more information on the IAC assessment protocol.

Provide detail on the key assessment activities and protocols with clients – this may include information on type of personnel conducting assessments, whether assessments are conducted in person or virtually, reporting of assessment results or post assessments. *

Please provide 1-2 paragraphs.

Simplified Project Narrative to minimize burden on applicants while ensuring critical information is collected

Timeline & Key Dates

October 6, 2023: Grant Program Opportunity Open

November 16, 2023: November Office Hour Session

December 31, 2023: Next Application Due Date

Spring 2024: Grant Distribution & Third-party Assessment Qualification

October 19, 2023: October Office Hour Session

Today

December 7, 2023: December Office Hour Session

Early 2024: Next Selections Announced
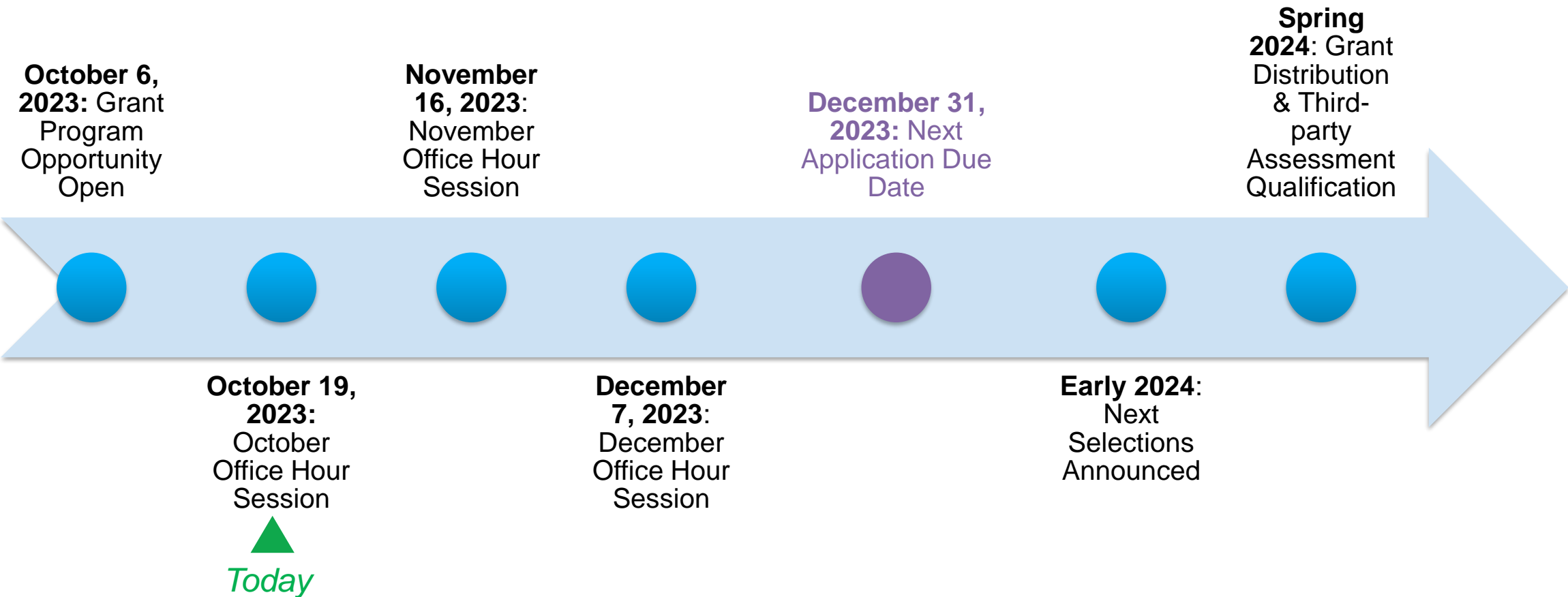
Helpful Links

	Resource	Link
1	IAC Opportunity Announcement (including FAQs)	[IAC Implementation Grants Opportunity](#)
2	Workstream 1 Application	[Workstream 1: IAC Implementation Grants](#)
3	Workstream 2 Application	[Workstream 2: Third-Party Assessor Qualification](#)
4	DOE Press Release	[Biden-Harris Administration Announces $5 Million to Support Cleaner Domestic Manufacturing](#)
5	MESC IAC Implementation Grants	[Industrial Research and Assessment Center Implementation Grants | Department of Energy](#)
6	IAC Program	[Industrial Assessment Centers (IACs) | Department of Energy](#)
7	CHP TAP Program	[CHP Technical Assistance Partnerships (CHP TAPs) | Better Buildings Initiative (energy.gov)](#)
8	Sign up for MESC Alerts for future funding Opportunities	[DOE Office of Manufacturing and Energy Supply Chains (govdelivery.com)](#)

Questions?

Email: info@energywerx.org

Thank you!

Appendix

Workstream 1: Grants to implement recommendations made in IAC, CHP TAP, and qualified third-party assessments

Grant funding available: ~$75 million

Applications will be screened for initial eligibility …

- Applicant has a gross annual sales <$100M[1]

- <500 employees at site of interest

- Site annual energy bills between $100,000 - $3,500,000

- Manufacturer is a domestic entity & received an IAC or CHP TAP assessment since 2018

- Manufacturer is a domestic entity & received a qualified third-party assessment since 2021

- Proposed project address energy management, waste reduction, or productivity improvement recommendations

- At least one project that aligns with the goal of achieving a net-zero GHG emissions economy

…and further evaluated against the following criteria

- **Impact & Feasibility (50%)**
  - The degree to which proposed projects has on the site's productivity, economics, energy and emissions performance

- **Financial Assistance Need & Cost Share (25%)**
  - The degree to which to which the applicant demonstrates financial need of grant funding to execute proposed projects

- **Community Benefits (25%)**
  - The degree to which the proposed project will provide a positive environmental and economical benefit to the surrounding community

Learn more and apply by December 31st, 2023 here

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1. If the manufacturer/facility is an individual LLC that pays separate taxes from the parent company, then the eligibility is based on the LLC and not the parent company

Workstream 2: IAC Implementation Grants focusing on qualifying third-party assessors for future rounds

Qualify entities/organizations that execute energy assessments for manufacturers…

1 Manufacturing Extension Partnerships (MEPs)

2 Better Plants In-Plant Trainings

3 Utility Companies

4 Engineering Consulting Firms

5 Other Private Sectors

… and meet the following eligibility criteria to ensure equivalency of DOE assessments

Initial Eligibility Criteria

1 Assessment protocol & implementation recommendations are vendor agnostic and not limited to on set of technology areas

2 Generates final reporting that captures information on implementation costs, benefits, plant process, etc.

3 Assessment leverages key plant personnel: Plant Manager, Energy Manager, Engineering Personnel

4 Assessor conducts yearly follow up to track implementation status of projects

5 Assessor is willing to share assessment protocol and interact with DOE and regional IACs

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Cost Share Requirements: 50% cost share required for applicants

This non-federal share is **calculated as a percentage of the Total Project Cost**

For example: Project(s) with Total Project Costs of $200,000 would require a $100,000 non-federal share of costs in order to have a 50% cost share.

Allowable Types of Cost Share

✅ Cash Contributions

✅ In-Kind Contributions

✅ Unrecovered Indirect Costs (with prior approval)

Generally Prohibited Costs

❌ Costs paid by federal government under another award

❌ Costs prior to the signing of the Selection Statement

❌ Fee or profit, including foregone fee or profits

Financing options[1]	Description
State and Local Public Programs[2]	• Loans and/or grants from local/state government entities
Private Loans (Incl. SBA-Guaranteed)	• Borrow money directly from banks or other private lenders
Utility Programs	• **On-bill financing:** Capital provided for project repaid via existing utility bill • **Rebate Programs**: Credit for installing energy efficient equipment
Leases	• Lease necessary equipment without purchasing outright
Energy Savings Performance Contracts (ESPC)	• Energy service company (ESCO) installs & maintains project equipment at facility, and is paid through realized savings

1. Not exhaustive of all financing options
2. Ensuing that funding does not originate from federal funding

Community Benefits: Priorities to build a clean & equitable energy economy

Justice40

Meet or exceed the objectives of the Justice40 initiative that **40% of benefits accrue to disadvantaged communities** across the country

Diversity, Equity, Inclusion, and Accessibility

Equitable **access to wealth building opportunities (teaming, access to good jobs**, business and contracting opportunities, etc.)

Good Jobs

Create **good-paying jobs to attract and retain skilled workers** and ensure workers have a **voice on the job over decisions that affect them**

Workforce and Community Agreements

Meaningful **engagement with community and labor partners** leading to formal agreements

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