

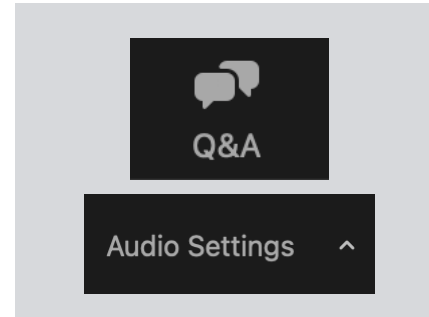


MAKE IT Prize Facilities Track

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Emanuele Pecora (Office of Clean Energy Demonstrations)
Becca Szymkowicz (Office of Technology Transitions)
August 15, 2023

Housekeeping

- This webinar covers the Facilities Track. For more information on the Strategies Track, register for the informational webinar on Aug. 17, 2023, at 12 p.m. MT.
- Attendee microphones and cameras are disabled.
- Webinar is being recorded and will be made available on YouTube and HeroX.
- Submit questions through the "Q&A" box. Answers will be compiled and shared via HeroX in the coming days.
- If you experience issues, please check your audio settings under the "Audio Settings" tab.





Agenda

1. Overview of the American-Made Program
2. Introduction to the MAKE IT Prize
3. Background information
4. Prize eligibility
5. Timeline
6. Submission requirements
7. Assessment
8. How to compete
9. Support and resources



supercharge

A REVOLUTION OF BOLD IDEAS

Fast track your ideas for the clean energy revolution

AMERICAN
MADE
U.S. DEPARTMENT OF ENERGY



\$200M
in cash prizes
and support



55+
prizes



400+
Network
members

Manufacture of

Advanced

Key

Energy

Infrastructure

Technologies



MAKE IT Prize
Facilities Track



MAKE IT Prize
Strategies Track

- MAKE IT aims to **catalyze domestic manufacturing** to enable replication and commercial liftoff of clean energy demonstration projects, moving manufacturing facilities of critical clean energy technology components **from planning to shovel-ready** and enabling communities to prepare strategies for vibrant manufacturing activity.
- Approximately **\$30 million in prizes** across two tracks with different target audiences, timelines, and prize amount structures in each.



What is the MAKE IT Prize Facilities Track?

MAKE IT Prize Facilities Track aims to incentivize the necessary work to **move manufacturing facilities from planning to shovel-ready.**

Teams working to build manufacturing facilities for eligible clean energy components can compete for **up to \$5,000,000 cash prizes.**

Revitalization of **shuttered facilities, brownfield development, and repurposing existing facilities** are of particular interest.

Background





OTT

Office of Technology Transitions

The Department of Energy's (DOE's) Office of Technology Transitions (OTT) works to expand the commercial impact of the Department's research investments and drive private sector uptake of clean energy technologies.



OCED

Office of Clean Energy Demonstrations

DOE's Office of Clean Energy Demonstrations' (OCED's) mission is to deliver clean energy technology demonstration projects at scale in partnership with the private sector to accelerate deployment, market adoption, and the equitable transition to a decarbonized energy system.



Technology Commercialization Fund Overview

- The DOE Technology Commercialization Fund (TCF) was established by Congress through the Energy Policy Act of 2005 and reauthorized by the Energy Act of 2020 to “promote promising energy technologies for commercial purposes.”
- Within DOE, the Office of Technology Transitions (OTT) is charged with leading policy and programs related to technology commercialization.
- The Base Annual Appropriated TCF uses 0.9 percent of the funding for the Department’s applied energy research, development, demonstration (RD&D) and commercial application budget for each fiscal year.
- In November 2021, Congress passed the Infrastructure Investment and Jobs Act (IIJA), more commonly known as the Bipartisan Infrastructure Law (BIL), which provided **\$62 billion** in new funding to support a broad array of clean energy activities and programs.
 - As with the Base Annual Appropriated TCF, 0.9% of the RD&D and commercial application funding provided by BIL is allocated to the TCF.



FY23 Bipartisan Infrastructure Law TCF

Under BIL TCF, OTT pursues activities that broadly support the commercialization of promising energy technologies while simultaneously enhancing and improving American infrastructure, competitiveness, opportunity, and equity and addressing the climate crisis. OTT will achieve this by working collaboratively across relevant DOE programs.

OTT seeks to cultivate a broader innovation network around the BIL provision activities to enable faster replication and scaling of demonstration projects for broader private sector uptake.

Eligible Technology Components



Manufacturing and/or recycling of components for production, processing, delivery, storage, and end-use of **clean hydrogen**



Manufacturing of components related to **electric grid** upgrades and **long-duration energy storage**



Manufacturing of components related to **carbon capture and storage**, including solvent, sorbent, and membrane recovery

Review Appendix B (page 34) of the official rules document for a complete description and definition of each eligible component.

Official Rules Document

Official rules for the MAKE IT Prize Facilities Track are available online: <https://www.herox.com/make-it-facilities/resources>

Summary Timeline Updates Forum Teams Entries **Resources** FAQ

Challenge Resources

[Official Rules](#)

Aug. 8, 2023

[Narrative Template](#)

July 19, 2023

[Permitting Table Template](#)

July 19, 2023

[Cybersecurity Plan](#)

July 19, 2023



Manufacture of Advanced Key
Energy Infrastructure
Technologies Prize (MAKE IT)
Facilities Track



July 2023

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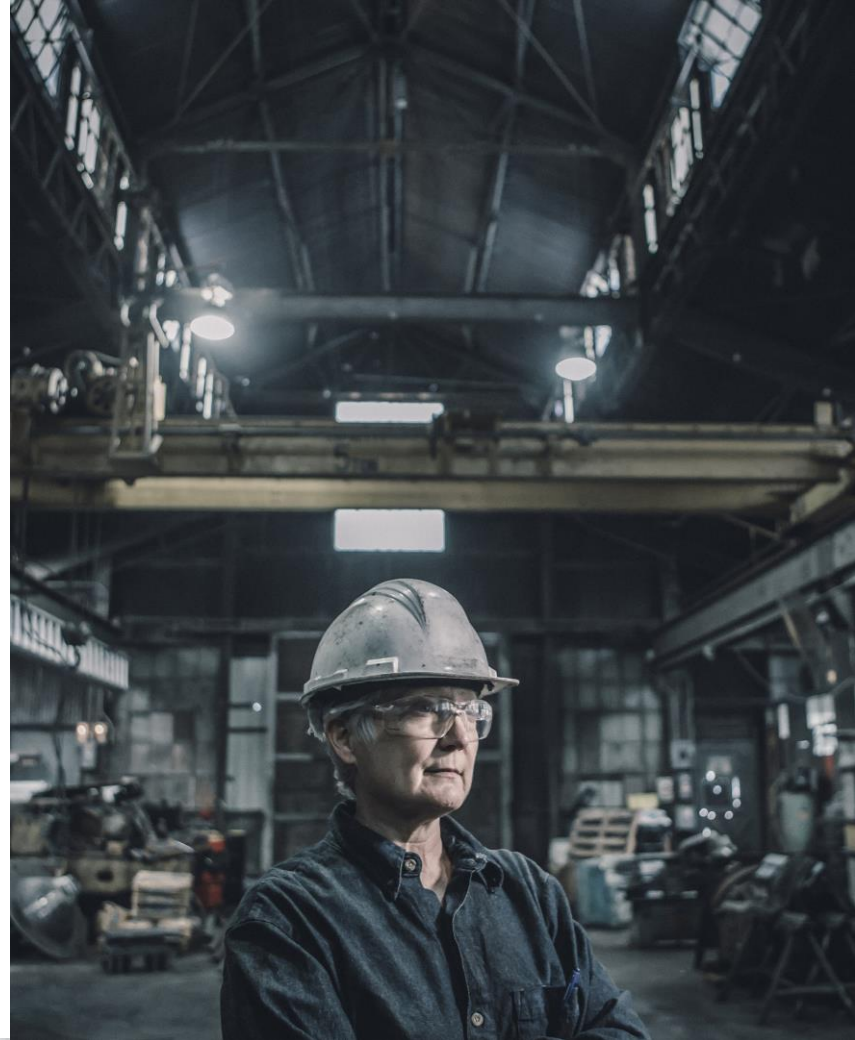
Eligibility

- ✓ Private entities
- ✓ Non-federal government entities
- ✓ Individuals

One submission per technology component

Individuals must designate an entity in Phase 1: Scope

Full eligibility details in the official rules



Facilities Track Structure



Statement of Intent
Determines eligibility to
compete

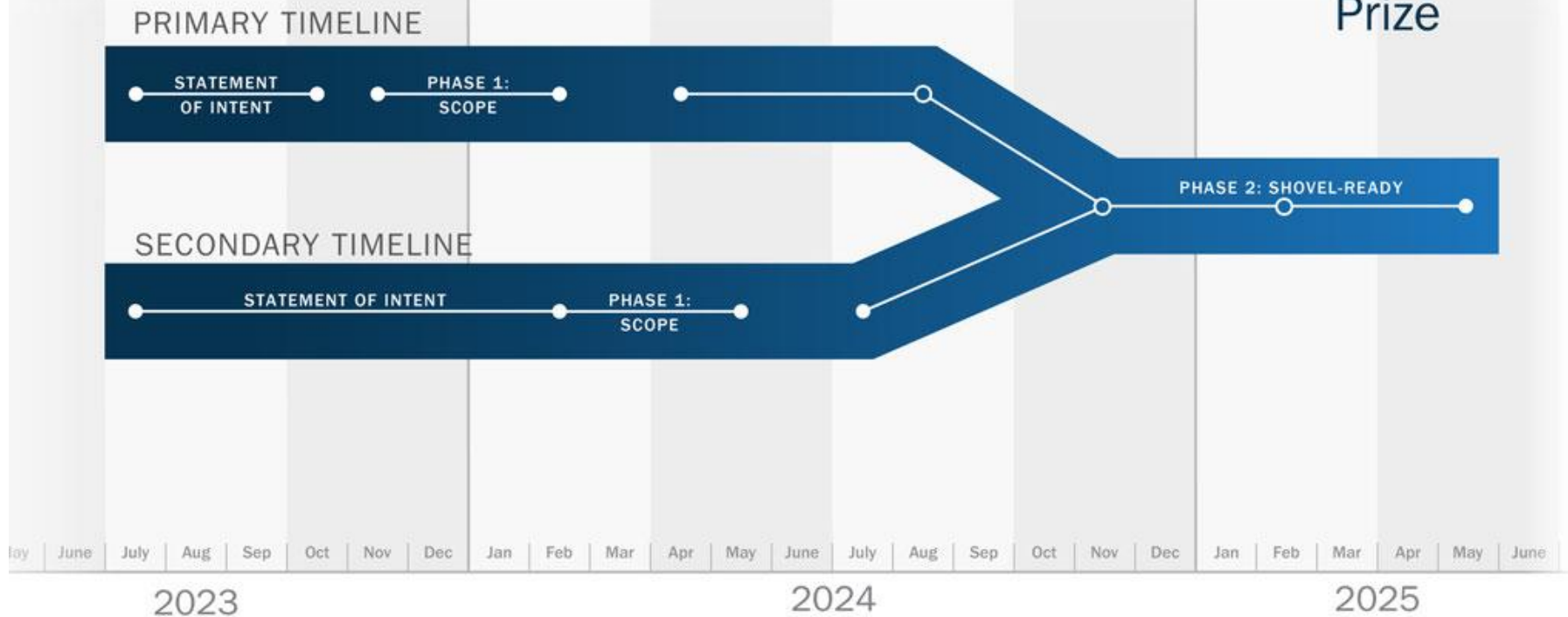


Phase 1: Scope
Approximately 12
winners, \$500,000
each



Phase 2: Shovel-Ready
Up to four winners,
\$4,500,000 each

FACILITIES TRACK



Upcoming Deadlines

1 Primary Timeline

Statement of Intent: Oct. 18, 2023, 5 p.m. ET !!

Phase 1: Scope: Feb. 1, 2024

2 Secondary Timeline

Statement of Intent: Feb. 1, 2024

Phase 1: Scope: May 2, 2024

Statement of Intent



Statement of Intent Submission

Narrative (no more than **two** pages)

- Project title
- Submitter information and contact information
- Technology component to be manufactured
- Description of the facility/project/team's current status
- Key project members
- City, state, and nine-digit zip code

Summary Slide

***Primary Deadline:
Oct. 18, 2023, 5 p.m. ET***



Goal: Demonstrate you are interested in developing a domestic manufacturing facility for an eligible technology component.



Assessment

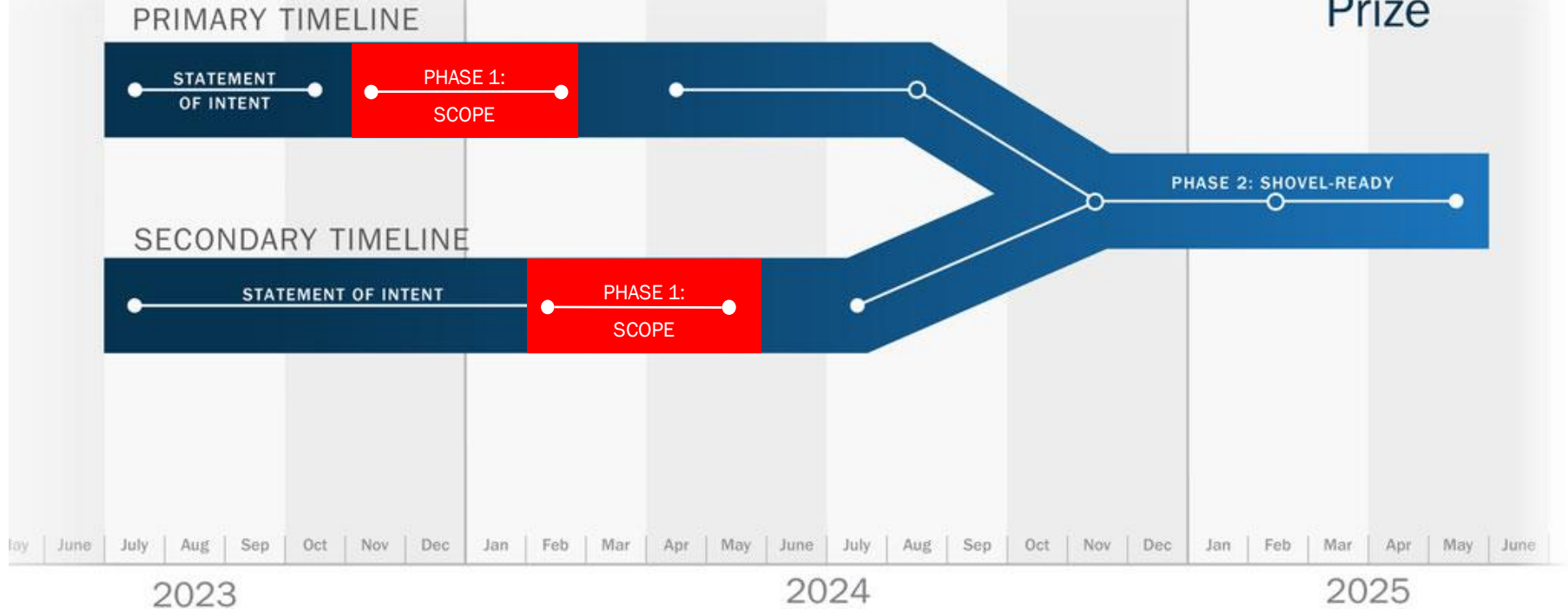
- Submissions will be screened for completion and assessed for eligibility.
- Any submission for a technology component not included on the list of components in Appendix B (page 34) of the prize rules will be deemed not eligible to compete.

Primary Deadline: Oct. 18, 2023, 5 p.m. ET

Phase 1: Scope



FACILITIES TRACK



Phase 1: Scope Submission

Submission Package

- Cover page
- Summary slide (made public)
- Narrative document
- Permitting and environmental plan
- Working financial model and identification of resources
- Community benefits plan
- Supporting documentation



Goal: Demonstrate you have a credible plan to establish a manufacturing facility.

Phase 1: Scope Templates

Narrative



Permitting Table



Phase 2: Shovel-Ready

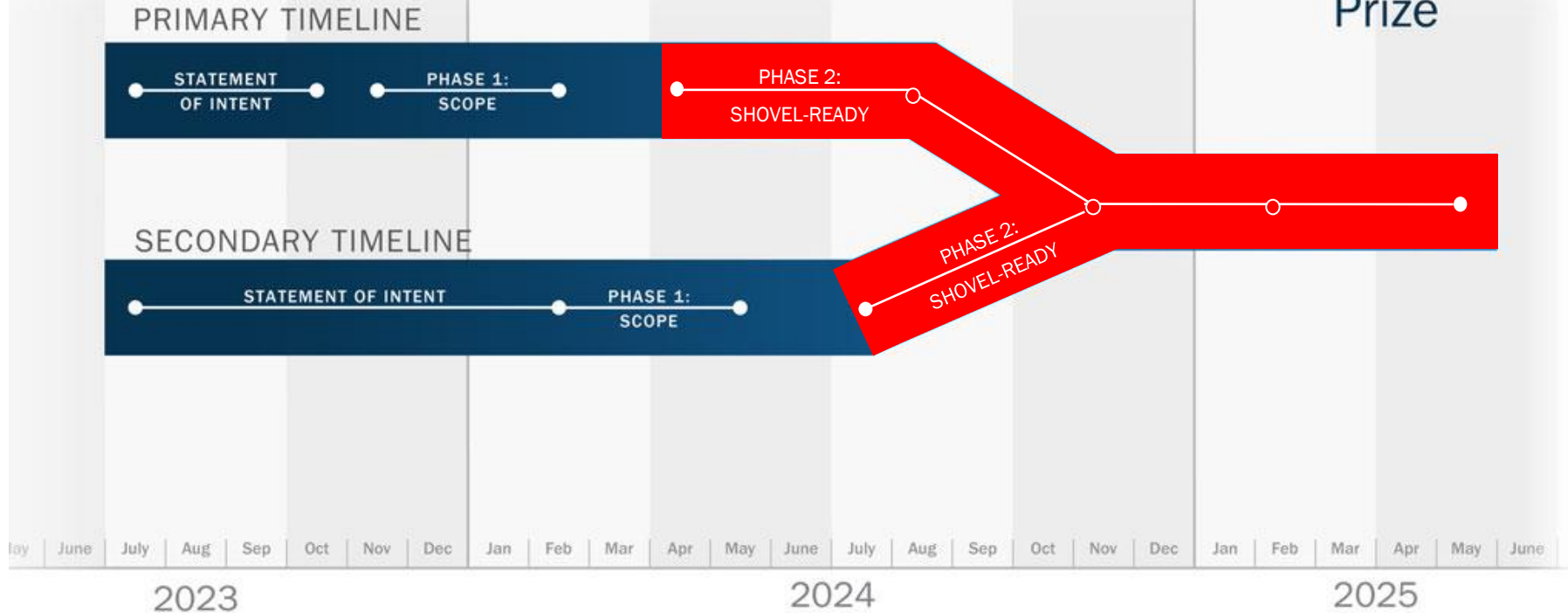
Statement of Intent

Phase 1: Scope

Phase 2: Shovel-Ready

Demonstrate you are “shovel-ready” for the construction or repurposing of a manufacturing facility, including control of a site, permits obtained, financing secured, and proof of meaningful local community engagement.

FACILITIES TRACK



Phase 2: Shovel-Ready Submission

- Cover page
- Summary slide (made public)
- Narrative document
- Proof of secured site
- Proof of permits and environmental reviews
- Proof of financing
- Working financial model and identification of resources
- Engineering, procurement, and construction contracts and integrated project schedule
- Community benefits plan
- Cybersecurity plan
- Supporting documentation



Goal: Demonstrate you are "shovel-ready" for constructing or repurposing a manufacturing facility.

Assessment

1. Manufacturing readiness, market viability, and project plan
2. Impact
3. Team capabilities and experience
4. Community benefits plan

Where to Apply - HeroX



How to Register and Compete

MAKE IT Prize Facilities Track

Catalyzing domestic manufacturing of critical clean energy technology components.

Energy, Environment & Resources

Government

Technology

Stage:
Enter

Prize:
\$24,000,000

SOLVE THIS CHALLENGE

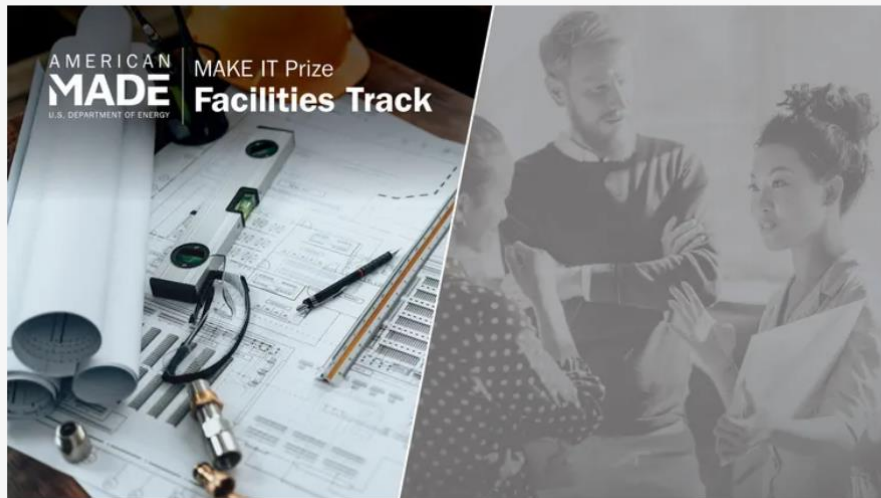


HeroX Prize Page:

<https://www.herox.com/make-it-facilities>

- Select “Solve this Challenge” or “Begin Entry”
- Sign in or create a HeroX account
- Agree to Terms of Use
- Conform your email address
- Accept the Challenge-Specific Agreement

Submit your Statement of Intent before deadline



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SOLVE THIS CHALLENGE

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Timeline

Updates ²

Forum ²

Teams ¹⁶⁸

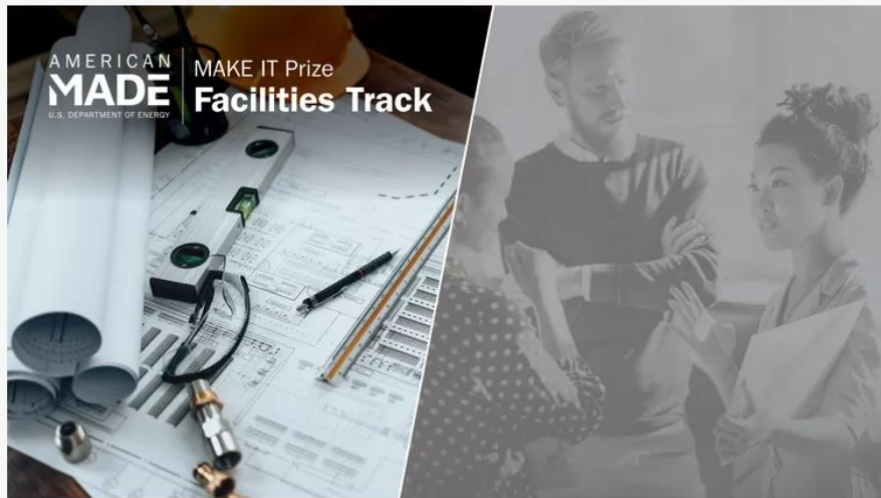
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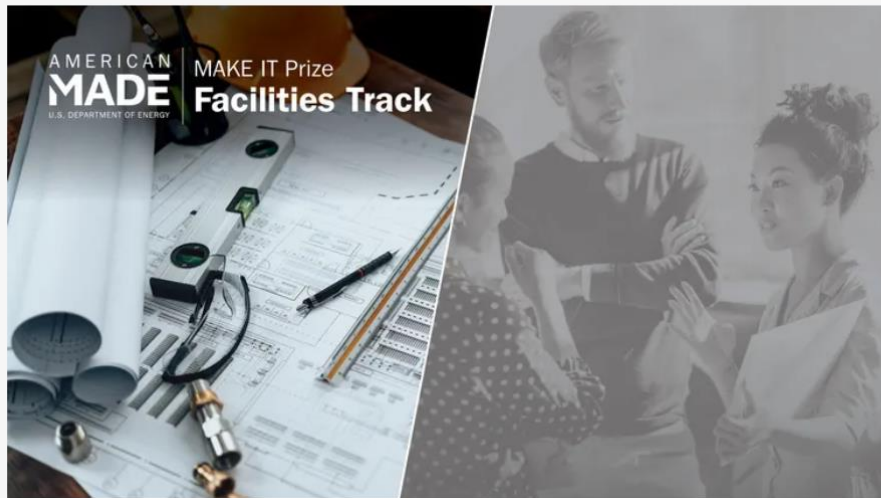
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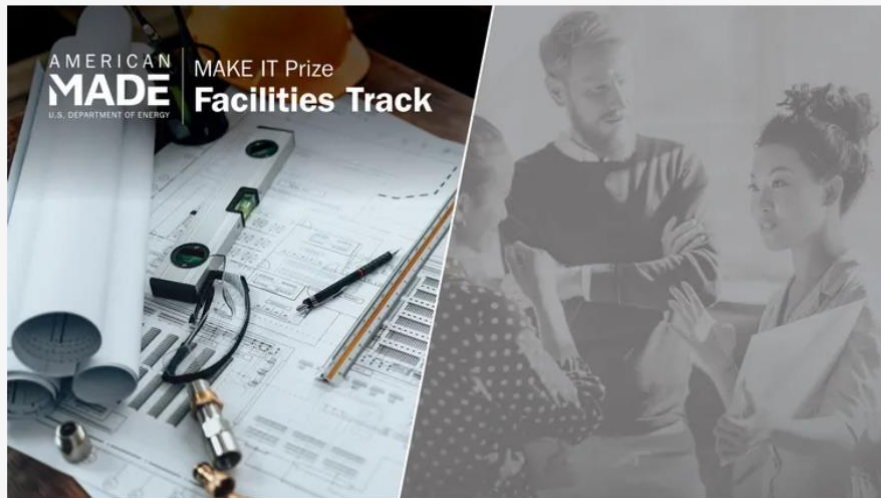
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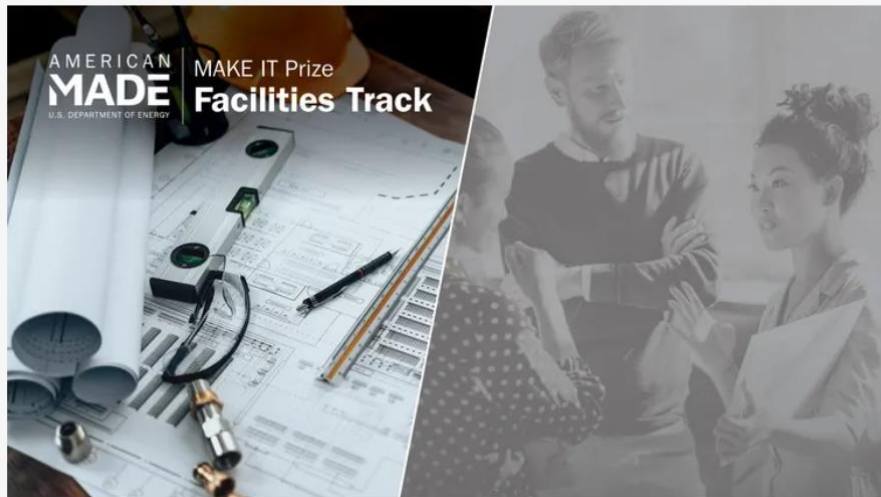
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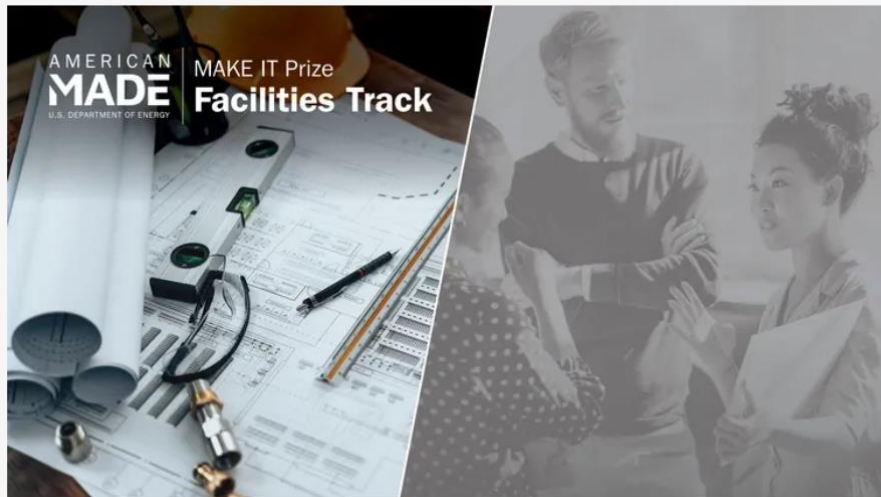
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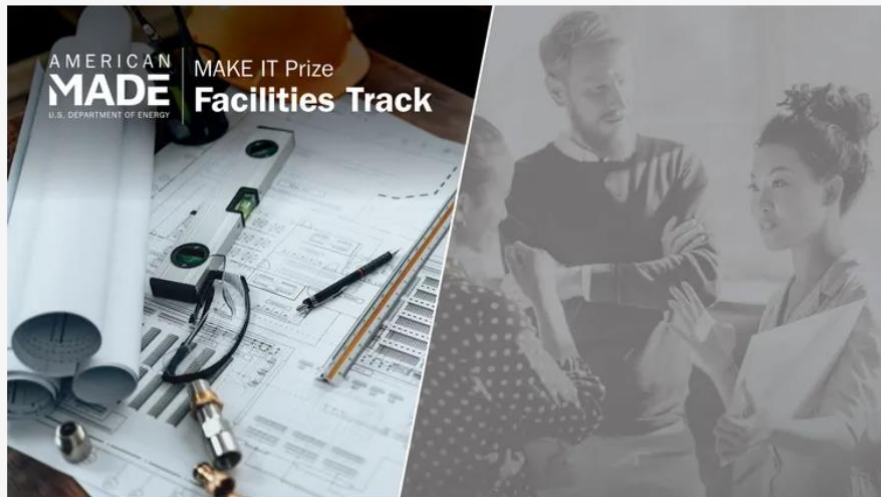
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Get Connected





Power Connectors



[Office Hours](#)



[Office Hours](#)



MAKE IT Prize
Facilities Track



MAKE IT Prize
Strategies Track

Next Steps

Recruit

Team members,
community partners,
local organizations

Register

Your team on HeroX

Read

The rules, plan your
participation, leverage
support resources

Compete

Submit Statement of Intent
by October 18th for your
best chance



Q&A

Submit questions to the Q&A box.

Submit questions after the webinar to MAKEITprize@nrel.gov.





OTT Office of
Technology
Transitions



OCED
Office of Clean Energy Demonstrations

U.S. DEPARTMENT OF
ENERGY

Office of ENERGY EFFICIENCY
& RENEWABLE ENERGY

AMERICAN
MADE
U.S. DEPARTMENT OF ENERGY

Thank you!

Strategies Track Webinar
Thursday, August 17 2pm ET

