

Introduction to ITIAC

Zach Pritchard, Incoming Designated Federal Officer
Industrial Technology Innovation Advisory Committee

March 21, 2024



Congress Directed DOE to Establish ITIAC and Defined Your Duties



Deadline.
Consultation.

Committee Charge

Summarized from 42 U.S. Code § 17113-17114

The **Industrial Technology Innovation Advisory Committee** was created to **advise** the Department of Energy on **research, development, demonstration, and commercial application** activities related to **industrial emissions reduction technologies**.

The Committee is directed to:

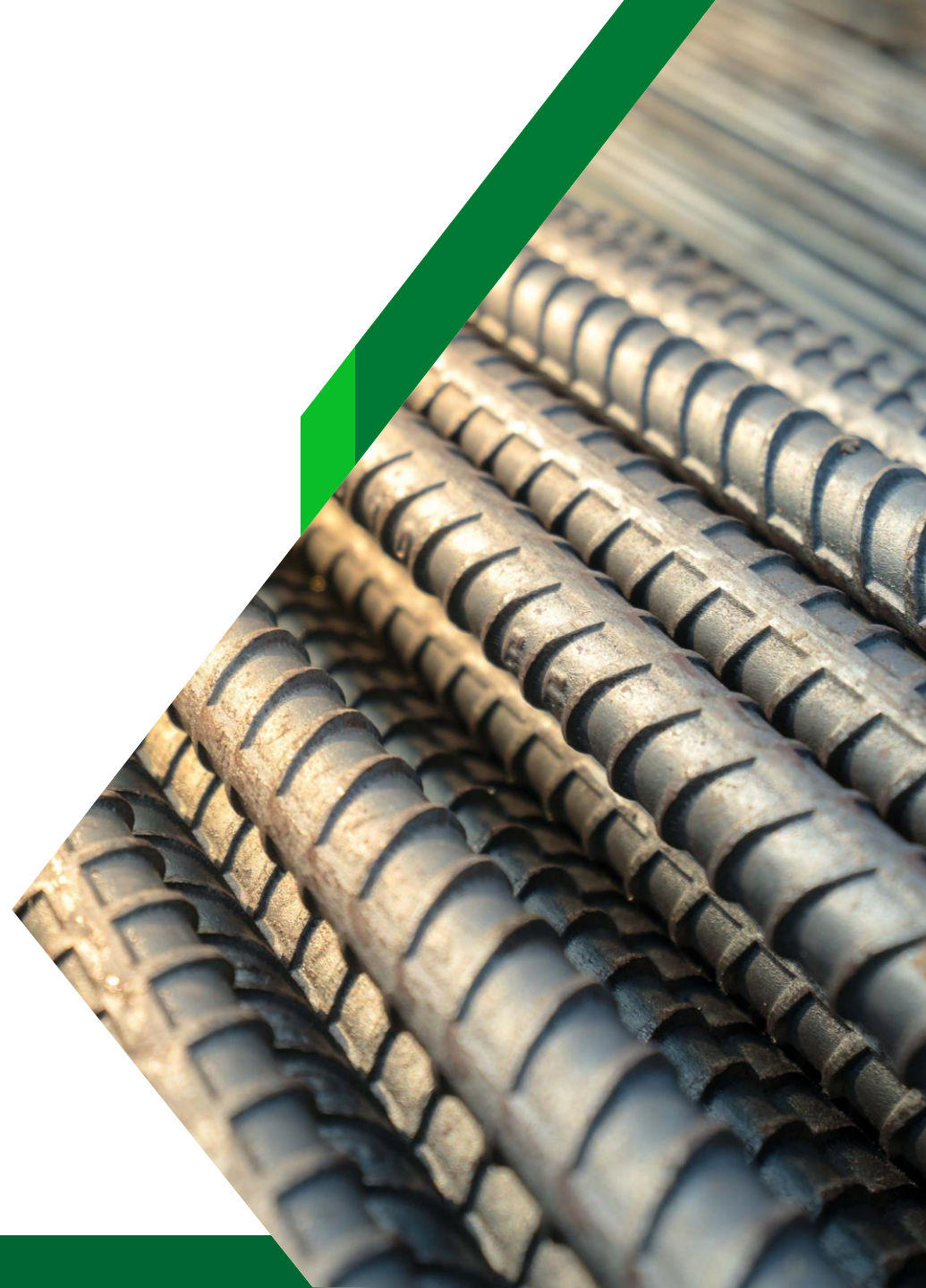
- Propose goals and objectives
- Evaluate technologies within defined focus areas
- Develop a strategic plan
- Evaluate DOE's activities
- Produce reports on findings



Technology Focus Areas

Summary of Areas in 42 U.S. Code § 17113(c)

- Industrial Materials Production Processes (iron, steel, steel mill products, aluminum, cement, glass, pulp, paper, and industrial ceramics)
- Medium and High-Temperature Heat (electrification, renewable heat, CHP, alternative fuels)
- Sustainable Chemistry
- Smart/Digital Manufacturing, Advanced Data Analytics
- Sustainability & Material Efficiency
- Energy Efficiency
- Alternative Materials with Fewer Lifecycle Emissions
- Development of Net-Zero Emissions Liquid and Gaseous Fuels
- Emissions Reductions in Shipping, Aviation, and Long-distance Transportation
- Carbon Capture Technologies for Industrial Processes
- High-Performance Computing to Develop Advanced Materials and Processes



Today, DOE will provide an overview of activities related to industrial emissions reduction.

Tomorrow, we'll discuss the committee's duties in greater depth and work towards an execution plan.

We'll use the Mural platform to help keep track of Members' input. Please join using the QR code or link emailed to you.