

Industrial Technology Innovation Advisory Committee Meeting

March 21, 2024 9 am - 5 pm ET

U.S. Department of Energy Washington, D.C.



Meeting Recording Announcement

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Housekeeping Reminders

- General audience does not have the ability to unmute and/or turn on camera during this presentation.
- The chat has been disabled.

Agenda – March 21, 2024

	Introduction	9:00 -	10:00 AM
•	Innovation Pipeline for Industrial Decarbonization	10:00 -	10:35 AM
	DOE Industrial Decarbonization Strategy	10:35 -	11:30 AM
	Break	11:30 -	11:40 AM
	Industrial Efficiency and Decarbonization Office Overview	11:40 -	12:30 PM
•	Lunch	12:30 -	2:00 PM
•	Industrial Efficiency and Decarbonization Office Overview (cont.)	2:00 -	2:30 PM
•	Technologies for Industrial Emissions Reduction Development (TIEReD) Program Lightning Talks	2:30 -	3:45 PM
•	Break	3:45 -	4:00 PM
•	Demonstration & Deployment Lightning Talks	4:00 -	4:40 PM
•	Summary/Additional Q&A	4:40 -	5:00 PM
	Adjourn		5:00 PM

Industrial Technology Innovation Advisory Committee (ITIAC)



Sharon Nolen ITIAC Chair



Cathy Choi



Sue Clark



Subodh Das



Betsy Dutrow



Neal Elliott



Anna Fendley



Comas Haynes



Eric Masanet

Industrial Technology Innovation Advisory Committee (ITIAC)



Abigail Regitsky



Jeff Rissman



Akshay Sahni



Sridhar Seetharaman



Sasha Stashwick



Jolene Sheil



Arun Majumdar



Joe Powell

We are on a break and will return at 10:00 am ET





Industrial Decarbonization Innovation Strategy

Dr. Avi Shultz

Director

Industrial Efficiency and Decarbonization Office



Industrial Decarbonization Commercialization & Deployment Strategy

Arpita Bhattacharyya

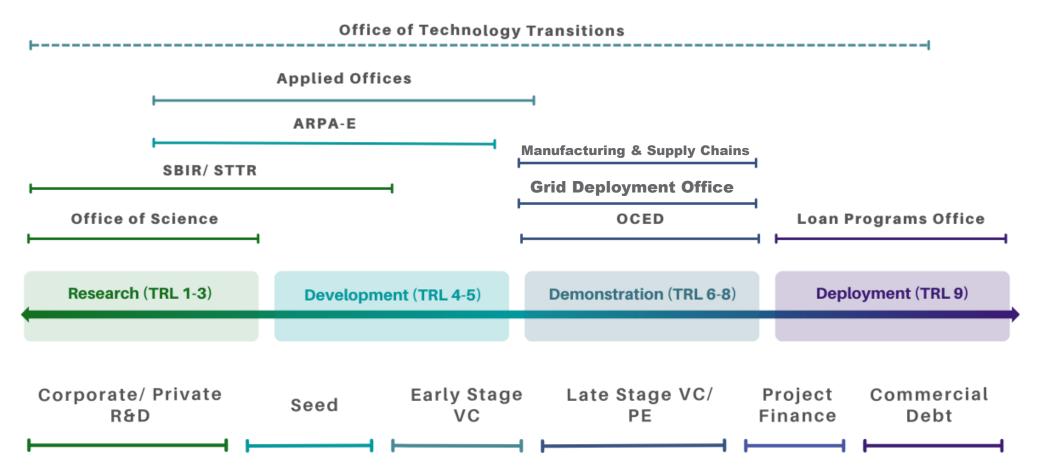
Senior Advisor and Chief Climate Officer

Loan Programs Office

DOE provides support at every stage in the RDD&D process

Public-private partnership across RDD&D









Building a Bridge to Bankability

Deployment Milestones

Demonstrated Innovative Technology

1 First Commercial Deployments

- Pollow-On Commercial Deployments
- Commercial Scale-Up

4 Commercial Debt Market Education

MIIIIIIIII

Full Market Acceptance







Innovation Pipeline for Industrial Decarbonization Q&A



Dr. Avi Shultz

Director

Industrial Efficiency and
Decarbonization Office



Arpita Bhattacharyya
Senior Advisor and Chief Climate Officer
Loan Programs Office



Welcoming Remarks

Christopher Davis

Chief of Staff

Office of the Secretary



DOE Industrial Decarbonization Strategy Moderator

Dr. Zach Pritchard

Technology Manager

ITIAC Designated Federal Officer (pending)

Industrial Efficiency and Decarbonization Office

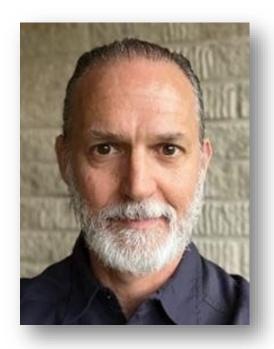
Industrial Decarbonization Roadmap and Context



Dr. Avi Shultz

Director

Industrial Efficiency and Decarbonization Office



Joe Cresko

Chief Engineer

Industrial Efficiency and
Decarbonization Office

Liftoff Reports

Sam Goldman

Policy Advisor

Loan Programs Office

Energy EarthshotsTM



Joe Cresko

Chief Engineer

Industrial Efficiency and
Decarbonization Office



Dr. Lisa GuayAAAS Fellow

Bioenergy Technologies

Office

Cross-DOE Collaboration

Joint Strategy Team (JST) and Technologies for Industrial Emissions Reduction Development (TIEReD) Program



Kelly Visconti

Acting Deputy Director

Office of Manufacturing
and Energy Supply Chains



Dr. Avi Shultz

Director

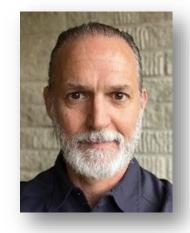
Industrial Efficiency and Decarbonization Office

DOE Industrial Decarbonization Strategy Q&A

Moderator



Dr. Zach PritchardIndustrial Efficiency
and Decarbonization
Office



Joe Cresko

Chief Engineer

Industrial Efficiency
and Decarbonization

Office



Dr. Avi Shultz

Director

Industrial Efficiency
and Decarbonization

Office



Dr. Lisa Guay

AAAS Fellow

Bioenergy
Technologies Office





Kelly Visconti

Acting Deputy

Director

Office of

Manufacturing

and Energy Supply

Chains

We are on a break and will return at 11:40 am ET

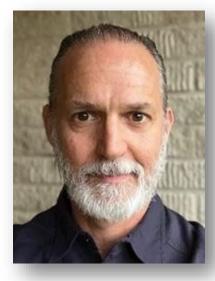


We are on a break for lunch and will return at 1:00 pm EDT



Industrial Efficiency and Decarbonization Office Overview

Moderator



Joe Cresko
Chief Engineer



Dr. Avi Shultz

Director



Dr. Paul Majsztrik

Program Manager,

Energy- and EmissionsIntensive Industries



Dr. Zach Pritchard
Technology Manager,
Cross-Sector
Technologies



Meegan Kelly
Technology Manager,
Tech Assistance and
Workforce Development

Technologies for Industrial Emissions Reduction Development (TIEReD) Program – EERE Offices Lightning Talks



Dr. Diana Bauer
Deputy Director
Advanced Materials
and Manufacturing
Technologies Office



Dr. Kamala Raghavan
Technology Manager,
Concentrating SolarThermal Power
Solar Energy
Technologies Office



Tomas Green
Technology Manager
Hydrogen and Fuel Cells
Technologies Office



Dr. Gayle Bentley
Technology Manager,
Conversion Technologies
Bioenergy Technologies
Office

Technologies for Industrial Emissions Reduction Development (TIEReD) Program – Other Offices Lightning Talks



Sarah Forbes
Acting Director, Office of
Carbon Management
Technologies
Office of Fossil Energy and
Carbon Management



Dr. Gail McLean
Chemical Sciences,
Geosciences, and
Biosciences Division
Director
Office of Science

Jason Marcinkoski
Program Manager
Office of Nuclear Energy



Dr. Chris Vandervort
Technology-to-Market
Advisor
Advanced Research
Projects Agency-Energy

We are on a break and will return at 4:30 pm ET



Demonstration and Deployment Lightning Talks



Andrew Dawson
Strategy and Program
Development Director
Office of Clean Energy
Demonstrations



Kelly Visconti

Acting Deputy Director

Office of Manufacturing
and Energy Supply

Chains

Summary & Recap of the Day



Sharon Nolen

ITIAC Chair

Eastman Chemical



Dr. Zach Pritchard

Technology Manager

ITIAC Designated Federal Officer (pending)

Industrial Efficiency and

Decarbonization Office

Adjourn

We will begin tomorrow at 9 am ET

Thank you!



Industrial Technology Innovation Advisory Committee Meeting

March 22, 2024 9 am - 1 pm ET

U.S. Department of Energy Washington, D.C.



Meeting Recording Announcement

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- The chat has been disabled.
- Public Comments:
 - The deadline for registering to offer public comments during this meeting was 5:00pm EDT on March 20.
 - You may send a written statement to ITIAC@ee.doe.gov.

Agenda – March 21, 2024

	Welcome & Opening Remarks	9:00 - 9:15 AM
	Committee Discussion on Statute, Charter, and Report	9:15 - 11:00 AM
	Break & Group Photo	11:00 - 11:15 AM
•	Committee Discussion on Statute, Charter, and Report (continued)	11:15 - 12:00 PM
•	Next Steps	12:00 - 1:00 PM
	Adjourn	1:00 PM

Adjourn

Thank you!