

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

Deployment of Deep Decarbonization Technologies

July 22-24, 2019
Lecture Room
National Academy of Sciences Building
2101 Constitution Ave NW
Washington, D.C.

Day 1- July 22

Session 1 – Emissions Reduction Targets and Timing

- 1:00 pm **Welcome and Workshop Objectives**
 Speakers: K. John Holmes, *National Academies Board on Energy & Environmental Systems*
- 1:05 pm **Modeling Results to Meet Climate Goals**
 Moderator: Kelly Sims Gallagher, *Tufts University*
 Speakers: Leon Clarke, *Joint Global Change Research Institute*
 James Williams, *University of San Francisco*
 Varun Rai, *University of Texas*

2:20 pm **Break**

Session 2 - Sector Studies of Deploying Decarbonization Technologies at Scale

- 2:45 pm **Low Carbon Electricity Generation**
 Organizer: Eric Larson, *Princeton University*
 Mark Ahlstrom, *NextEra Energy Resources & NextEra Analytics*
 Abe Silverman, *New Jersey State Board of Public Utilities*
 Adam Goff, *8 Rivers*
- 4:00 pm **Corporate Value Chain**
 Moderator: Sara Law, *CDP North America*
 Speakers: Ashley Allen, *Mars Corporation*
 Christina Owens, *Danone*
 Ashley McKeon, *Cargill*
- 5:15 pm **ADJOURN**
- 5:30 pm **RECEPTION**

Day 2 – July 23

- 8:30 am **Heavy Industry Decarbonization**
 Moderator: José Santiesteban, *ExxonMobil*
 Speakers: Tahmid Mizan, *ExxonMobil*
 Adam Rauwerdink, *Boston Metal*
 Hicks Winters, *LafargeHolcim*
- 9:45 am **Low Carbon Vehicles**
 Moderator: Carla Bailo, *Center for Automotive Research*
 Speakers: Reinhard Fischer, *Volkswagen*
 Denise Gray, *LG Chem*
 Tbd, *Nissan (invited)*

11:00 am **Break**

Session 3 – Imagine a Future

- 11:15 am **The Role of Carbon Dioxide Removal in Deep Decarbonization**
 Moderator: Giana Amador, *Carbon180*
 Speakers: Jennifer Wilcox, *Worcester Polytechnic Institute*
 Steve Hamburg, *Environmental Defense Fund*
- 12:15 pm **Lunch**
- 1:15 pm **Discussion of a CDR future**

Session 4 – Looking Across Sectors at Societal and Policy Issues

- 1:45 pm **Societal Transformation Pathways**
 Organizer: Clark Miller, *Arizona State University*
 Speakers: Nancy Sutley, *LA Department of Water and Power*
 Julia Haggerty, *Montana State University*
 Emily Schapira, *Philadelphia Power Authority*
- 3:00 pm **Break**
- 3:15 pm **Policy Drivers**
 Speakers: Kelly Sims Gallagher, *Tufts University*
 Ryan Costello, *Americans for Carbon Dividends*
 Michael Gerrard, *Columbia University (tentative)*
- 4:30 pm **ADJOURN**

Day 3 – July 24

Close Session – Moving Forward on Deep Decarbonization at NASEM

9:00 am **Closed session** with small group of BEES board members, NASEM staff, interested planning committee members, thought leaders, and potential funders.

11:00 am **ADJOURN**