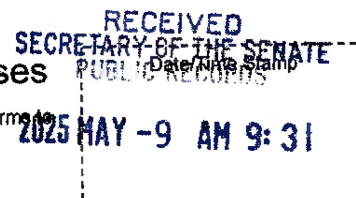


RE-2 Employee Post Travel Disclosure of Travel Expenses

Post Travel Filing Instructions: Complete this form within 30 days of returning from travel. Submit all forms to the Office of Public Records in 144 Hart Building. This form is a public disclosure. The form and all attachments will be made publicly available.



Certification: In compliance with the Regulations Governing Privately Sponsored Travel, Senate Rule 35, and the Honest Leadership and Open Government Act of 2007, I certify that I accepted the following gift of privately sponsored travel:

Private Sponsor(s):

Massachusetts Institute of Technology

Travel Dates:

April 23-25, 2025

Name of accompanying family member (if any):

Relationship to Traveler:

Total Expenses

Transportation Expenses	Lodging Expenses	Meals Expenses	Other Expenses (Amount & Description)
\$456.79	\$582.00	\$173.06	

I also certify that attached to this form are all required documents for post travel disclosure, including:

- The final Employee Pre-Travel Authorization (Form RE-1)
- The final Private Sponsor Travel Certification Form with all attachments
- The final invitation
- The final approved itinerary

Finally, I certify that all trip information reflected in the attachments above accurately reflects the travel that I accepted. If there were any changes to the trip after I received approval from the Committee, the changes are described in ATTACHMENT 1.

5/8/25

Date

Lila Rose Englander

Printed Name of Traveler

Lila Englander

Signature of Traveler

TO BE COMPLETED BY SUPERVISING MEMBER/OFFICER

I have made a determination that the expenses set out above in connections with travel described in the Employee Pre-Travel Authorization form, are necessary transportation, lodging, and related expenses as defined in Rule 35.

5/8/2025

Date

Patty Murray

Signature of Supervising Senator/Officer

Note: Material changes to a trip that occur after the Committee has issued an approval letter may invalidate the Committee's approval. Please contact the Committee with any questions regarding changes to an approved trip.

☒ Yes ☐ No

Were there any changes to the pre-approved itinerary?

☒ Yes ☐ No

Minor changes with one speaker replaced last minute.

Were there any additional changes to the pre-approved trip?

☐ Yes ☒ No

Explanation:

RE-1 Employee Pre-Travel Authorization

Pre-Travel Filing Instructions: Complete and submit this form at least 30 days prior to the travel departure date to the **Select Committee on Ethics in SH-220**. Incomplete and late travel submissions will not be considered or approved.

Date/Time Stamp

Name of Traveler:

Lila Rose Englander

Employing Office/Committee:

Office of Senator Murray

Private Sponsor(s):

Massachusetts Institute of Technology

Destination(s):

Cambridge, MA

Travel Dates:

April 23-25, 2025

NOTE: If you plan to extend the trip for any reason you **must** notify the Committee.

Explain how this trip is specifically connected to the traveler's official or representational duties. This is an educational seminar related to the traveler's official duties as a Legislative Aide for energy and climate policy.

Do you have an accompanying family member or spouse on this trip? Name and Relationship to Traveler:

☐

(signify "yes" by checking box)

I certify that the information contained in this form is true, complete and correct to the best of my knowledge.

3/21/25

Date

Lila Englander

Signature of Employee

TO BE COMPLETED BY SUPERVISING MEMBER/OFFICER

(President of the Senate, Secretary of the Senate, Sergeant at Arms,
Secretary for the Majority, Secretary for the Minority, and Chaplain)

Senator Murray

(Print Senator's/Officer's Name)

hereby authorize

Lila Englander

(Print Traveler's Name)

an employee under my direct supervision, to accept payment or reimbursement for necessary transportation, lodging, and related expenses for travel to the event described above. I have determined that this travel is in connection with his or her duties as a Senate employee or an officeholder, and will not create the appearance that he or she is using public office for private gain.

I have also determined that the attendance of the employee's spouse or child is appropriate to assist in the representation of the Senate.

☐

(signify "yes" by checking box)

3/21/2025

Date

Patty Murray

Signature of Supervising Senator/Officer



Ian A. Waitz
Vice President for Research
Jerome C. Hunsaker Professor of
Aeronautics and Astronautics

Office of the Vice President for Research
77 Massachusetts Avenue
Cambridge, MA 02139-4307
617-253-0218 | iaw@mit.edu

March 19, 2025

Ms. Lila Englander
Legislative Aide
Office of Senator Patty Murray
154 Russell Senate Office Building
Washington, DC 20510

Dear Ms. Englander,

I am writing to invite you to attend an MIT seminar for senior Congressional staff. The seminar, "**Technologies and Strategies for Responding to Energy and Climate Challenges**," will take place on the MIT campus in Cambridge, MA from April 23-25, 2025.

We are able to cover the cost of travel and hotel accommodations and are carefully following House and Senate Ethics Committee requirements. The necessary ethics approval forms will be provided to you should you apply to attend.

As you will see in the agenda below, the seminar will include sessions with MIT faculty on a range of technology matters designed to inform Congressional staff, as well as tours of MIT's Plasma Science & Fusion Center, and of two companies spun out from MIT— Sublime Systems, a company making low-carbon cement, and Form Energy, a maker of iron-air batteries for utility-scale energy storage (Form Energy also has facilities in Maine and West Virginia).

The seminar, which is sponsored by my office, was organized by the MIT Energy Initiative (MITEI), the MIT Washington Office, and the MIT Climate Policy Center. If you would like to attend, please apply no later than close of business on Friday, March 21 by clicking [here](#). This will allow sufficient time for filing the necessary paperwork with your Ethics Committee by Monday, March 24. Spaces are limited, so early application is strongly suggested.

If you have received this invitation in error and the seminar is not relevant to your portfolio, please feel free to forward it to a colleague who focuses on energy and/or climate issues.

Helen Haislmaier in the MIT Washington Office will be happy to answer any questions, and she can be reached at (202) 789-1828 or at helenh@mit.edu.

Sincerely,

A handwritten signature in black ink that reads "Ian A. Waitz".

Ian A. Waitz
Vice President for Research
Jerome C. Hunsaker Professor of Aeronautics and Astronautics

Trip Name: 2025 MIT Energy seminar for Congressional Staff

Organization Information

Organization Name:

Massachusetts Institute of Technology

Is your organization classified as a §501(c)(3)?

☒ Yes ☐ No

If Yes, §501(c)(3) Organization Type:

☐ Private Foundation ☒ Public Charity

Address:

77 Massachusetts Avenue

Phone Number:

617 324 9105

City, State, Zip:

Cambridge, MA 02139

Organization URL:

<https://web.mit.edu/>

History of Congressional Travel

Describe your organization's history of sponsoring congressional travel.

MIT has hosted similar seminars on a wide range of public policy issues related to science & technology for over 20 years. The most recent 'in person' seminar was held on the MIT campus in October 2023.

Educational Activities

Describe the educational activities performed by your organization other than sponsoring congressional travel

MIT is a major non-profit research university with a mission focused on education & research in science, engineering and technology. It offers both undergraduate and graduate level degrees and has multiple departments working on cutting-edge energy & climate technology and related policy.

Lobbyist and Foreign Agent Registration Information

Lobbyist Registration Status (Select one):

- ☐ I certify that the sponsor is not a federally registered lobbyist and does not retain or employ a federally registered lobbyist.
- ☒ I certify that the sponsor is not a federally registered lobbyist but does retain or employ one or more federally registered lobbyists.

Foreign Agent Registration Status (Select one):

- ☒ I certify that the sponsor is not an agent of a foreign principal and does not retain or employ an agent of a foreign principal.
- ☐ I certify that the sponsor is not an agent of a foreign principal but does retain or employ one or more agents of a foreign principal.

Foreign Government Involvement

Foreign Agent Registration Status (Must select all):

- ☒ I certify that the sponsor is not a foreign government
- ☒ I certify that the sponsor is not an entity that is owned or operated by a foreign government
- ☒ I certify that the sponsor does not receive funding from a foreign government.

Purpose and Details

Provide a brief description of the trip.

This is an intensive educational seminar presented by MIT faculty with a dinner talk by an industry expert on geothermal energy. The title of the seminar is 'Technologies and Strategies for Responding to Energy and Climate Challenges' and the majority of the seminar will be held on MIT's campus and utilizes its faculty, classrooms and laboratories. There will be two off-campus visits to MIT spin-off companies working on energy innovations.

Explain how the purpose of the trip relates to your organization's mission.

MIT is a major non-profit research university with a mission focused on education and research in science, engineering and technology. Congressional staff will be exposed to the latest research and thinking about technologies related to energy and climate and associated public policy options. MIT has hosted similar seminars on a wide range of public policy issues related to science and technology for over 20 years.

Is your organization the only sponsor for this trip?

☒ Yes ☐ No

If No, describe your organization's role in planning the trip.

Members of the MIT Washington Office, along with campus faculty who focus on energy and climate issues, were wholly responsible for organizing the agenda and logistics for the seminar. Funding for the seminar is being provided directly from MIT's office of the Vice President for Research.

If there are multiple sponsors, each sponsor must submit Organization Information (Page 1 of the Private Sponsor Travel Certification Form) and a Signature Page Form.

Grantmaking Organizations (Optional)

If you have a Grantmaking Organization, you must attach a Grantmaking Organization Certification Form.

- 1.
- 2.
- 3.

With or Without Regard to Congressional Participation (Select one):

- ☐ The trip is arranged or organized without regard to congressional participation
- ☒ The trip is arranged or organized with regard to congressional participation

Lobbyist/Foreign Agent Involvement in Planning, Organizing, Requesting or Arranging

- ☒ The trip will not in any part be planned, organized, requested, or arranged by a registered lobbyist or agent of a foreign principal, other than de minimis involvement.

Lobbyist/Foreign Agent Financing (Must select all):

- ☒ The trip will not be financed in any part by a registered lobbyist or agent of a foreign principal.
- ☒ No funds or in-kind contributions were earmarked directly or indirectly for the purpose of financing this specific trip from a registered lobbyist or agent of a foreign principal or from a private entity that retains or employs one or more registered lobbyists or agents of a foreign principal.

Lobbyist/Foreign Agent Accompaniment

Complete if all sponsors are §501(c)(3) organizations (Select one):

- ☒ The trip is limited to three days (for trips inside the continental United States) or seven days (for trips outside the continental United States), and no lobbyist or agents of a foreign principal will accompany the Member, officer, or employee at any point throughout the trip
- ☐ The trip is limited to a one-day event (exclusive of travel time and one overnight stay) and no registered lobbyists or agents of a foreign principal will accompany the Member, officer, or employee on any segment of the trip
- ☐ The trip is limited to a one-day event (exclusive of travel time and two overnight stays) and no registered lobbyists or agents of a foreign principal will accompany the Member, officer, or employee on any segment of the trip

Complete if any of the sponsors is not a §501(c)(3) organization (Select one):

- ☐ No sponsor retains or employs a registered lobbyist or agent of a foreign principal, the trip is limited to three days (for trips inside the continental United States) or seven days (for trips outside the continental United States), and no lobbyist or agents of a foreign principal will accompany the Member, officer, or employee at any point throughout the trip
- ☐ The trip is limited to a one-day event (exclusive of travel time and one overnight stay) and no registered lobbyists or agents of a foreign principal will accompany the Member, officer, or employee on any segment of the trip
- ☐ The trip is limited to a one-day event (exclusive of travel time and two overnight stays) and no registered lobbyists or agents of a foreign principal will accompany the Member, officer, or employee on any segment of the trip

Required if selecting the third option in either column - Please explain why the second overnight stay is practically required and necessary to accomplish the purpose of the trip.

Certification of No Recreational Activity and No Alcohol (Must select all):

- ☒ Travel expenses paid for will not include expenditures for recreational activities.
- ☒ Travel expenses paid for will not include expenditures for alcohol, except as permitted by the Regulations Governing Privately Sponsored Travel

Invitees list

- ☒ A list of all Senate invitees is attached to this form (required).
- ☒ Members and staff from the House of Representatives will also receive invitations

Travel Details (Submit additional pages as needed)

Trip Start Date/Time:
April 23, 2025 8:30am



Trip End Date/Time:
April 25, 2025. 8:00pm

Will the traveler be accompanied by a family member for whom the sponsor will pay travel expenses?

☐ Yes ☒ No

Transportation (Member/Officer/Employee: \$ 488.60 Accompanying Family Member: \$ n/a)

Transportation Type	Class	Amount
Fully refundable JetBlue flights + booking fees	economy	\$396.60
Bus to/from airport & hotel/campus & site visits	Basic/no special seats	\$92.00

Details (optional)

Lodging (Member/Officer/Employee: \$ 582.00 Accompanying Family Member: \$ n/a)

Check-In	Check-Out	Facility	City	State	Country
4/23/25	4/25/25	Marriott Residence Inn	Cambridge	MA	USA
Nights	Cost/Night	Cost Exceed Per Diem (Yes/No)	If Yes, please explain why expenses over the per diem rate are reasonable and necessary.		
2	291.00	NO			
Check-In	Check-Out	Facility	City	State	Country
Nights	Cost/Night	Cost Exceed Per Diem (Yes/No)	If Yes, please explain why expenses over the per diem rate are reasonable and necessary.		
Check-In	Check-Out	Facility	City	State	Country
Nights	Cost/Night	Cost Exceed Per Diem (Yes/No)	If Yes, please explain why expenses over the per diem rate are reasonable and necessary.		

Meals (Member/Officer/Employee: \$ 234.00 Accompanying Family Member: \$ n/a)

Date	Breakfast	Lunch	Dinner	Incidentals	Total	City	State	Country	Cost Exceeds Per Diem (Y/N)
4/23/25	0 - included in hotel room rate	\$33.00	\$42.00	\$13.00	\$88.00	Cambridge	MA	USA	NO
4/24/25	0 - included in hotel room rate	\$24.50	\$73.00	\$12.00	\$109.50	Cambridge	MA	USA	YES
4/25/25	0 - included in hotel room rate	\$24.50	n/a	\$12.00	\$36.50	Cambridge	MA	USA	NO

If costs exceed the federal per diem, please explain why expenses over the per diem rate are reasonable and necessary.

There is a formal working dinner with speaker on 4/23/25 where there is no option to choose a less expensive caterer but we have picked the cheapest meal option available.

Reasonable Miscellaneous Expenses

(Member/Officer/Employee: \$ 80.00 Accompanying Family Member: \$ n/a)

Expense Type	Amount	Notes
Cabs to/from home & Reagan National Airport OR parking at Reagan airport.	\$80.00	MIT will cover UP TO \$80.00 per person

Additional Details (optional)

PRIVATELY SPONSORED TRAVEL

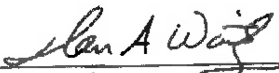
SPONSOR SIGNATURE PAGE

I hereby certify that the information submitted in connection with the trip listed below is true, complete, and correct to the best of my knowledge and belief.

Trip Name: 2025 Energy Seminar for Congressional Staff
Travel Date(s): April 23-25, 2025
Travel Destination(s): Cambridge, MA
Sponsor: Massachusetts Institute of Technology

Ian Waitz
(printed name of sponsor representative)

Vice President for Research
(title)


(signature of sponsor representative)

2/26/25
(date)

First name:	Last name:	Title:	Office:	Email address:
Jonathan	Abdnor	Policy Advisor	Office of Senator John Thune	jon_abdnor@thune.senate.gov
Joey	Abeyta	Legislative Aide	Office of Senator Martin T. Heinrich	joey_abeyta@heinrich.senate.gov
Emily	Acton	Research Assistant	Committee on Energy and Natural Resources	emily_acton@energy.senate.gov
Faisal	Al-Hmoud	Legislative Correspondent	Office of Senator Tom Cotton	faisal_al-hmoud@cotton.senate.gov
Jacey	Albaugh	Legislative Assistant	Committee on Energy and Natural Resources	jacey_albaugh@energy.senate.gov
Hannah	Albert	Legislative Aide	Office of Senator Maria Cantwell	hannah_albert@cantwell.senate.gov
Darryl	Alexander	Policy Advisor	Office of Senator Peter Welch	<u>Darryl_Alexander@welch.senate.gov</u>
Nick	Alexander	Legislative Correspondent	Office of Senator Dan Sullivan	nick_alexander@sullivan.senate.gov
Kara	Allen	Deputy Staff Director	Committee on Environment and Public Works	kara_allen@epw.senate.gov
Asher	Allman	Professional Staff Member	Committee on Veterans' Affairs	asher_allman@vetaff.senate.gov
Doug	Anderson	Aviation Advisor	Committee on Commerce, Science, and Transportati	doug_anderson@commerce.senate.gov
Ron	Anderson	Senior Policy Advisor	Office of Senator Bill Cassidy	ron_anderson@cassidy.senate.gov
Erica	Anhalt	Senior Legislative Assistant	Office of Senator Jeanne Shaheen	erica_anhalt@shaheen.senate.gov
Bailey	Archey	Legislative Assistant	Office of Senator Cindy Hyde-Smith	bailey_archey@hydesmith.senate.gov
Chris	Avila	Legislative Assistant	Office of Senator Chris Coons	chris_avila@coons.senate.gov
Naod	Aynalem	Legislative Assistant	Office of Senator Ron Wyden	naod_aynaalem@wyden.senate.gov
Maggie	Ayrea	Senior Professional Staff Member	Committee on Environment and Public Works	maggie_ayrea@epw.senate.gov
Paul	Babbitt	Senior Legislative Assistant/Counsel	Office of Senator Mark E. Kelly	paul_babbitt@kelly.senate.gov
Wendy	Baig	Staff Director	Committee on Energy and Natural Resources	wendy_baig@energy.senate.gov
Ryan	Bardot	Legislative Aide	Office of Senator Eric Schmitt	ryan_bardot@schmitt.senate.gov
Samantha	Barnett	Legislative Assistant	Office of Senator Pete Ricketts	sam_barnett@ricketts.senate.gov
Murphie	Barrett	Deputy Staff Director	Committee on Environment and Public Works	murphie_barrett@epw.senate.gov
Julia	Barry	Legislative Aide/Projects Manager	Office of Senator John Hickenlooper	julia_barry@hickenlooper.senate.gov
James	Bartholomew	FERC Detailee	Committee on Energy and Natural Resources	james_bartholomew@energy.senate.gov
Kaycee	Beardeaux	Legislative Correspondent	Office of Senator Ed Markey	kaycee_beardeaux@markey.senate.gov
Sydney	Beasley	Senior Policy Advisor	Office of Senator Ron Wyden	sydney_beasley@wyden.senate.gov
Ashlynn	Beninga	Staff Director, Subcommittee on Clea	Committee on Environment and Public Works	ashlynn_beninga@ricketts.senate.gov
Nathaniel	Birnbaum	Legislative Assistant	Office of Senator Ed Markey	nate_birnbaum@markey.senate.gov
Madeline	Blalock	Legislative Assistant	Committee on Environment and Public Works	maddie_blalock@epw.senate.gov
Maggie	Blomgren	Legislative Correspondent	Office of Senator Tina Smith	maggie_blomgren@smith.senate.gov
Sophia	Bock	Legislative Assistant	Office of Senator Ben Ray Lujan	sophia_bock@lujan.senate.gov
Mikayla	Bodey	Senior Professional Staff Member	Committee on Agriculture, Nutrition and Forestry	mikayla_bodey@ag.senate.gov

Kylie Bohman	Legislative Assistant	Office of Senator Josh Hawley	kylie_bohman@hawley.senate.gov
Elizabeth Bond	Research Assistant	Committee on Environment and Public Works	elizabeth_bond@epw.senate.gov
Patrick Bond	Senior Policy Advisor	Office of Senator Angus King	patrick_bond@king.senate.gov
Meredith Booker	Policy Advisor	Office of Senator Jeff Alan Merkley	meredith_booker@merkley.senate.gov
Andrew Braun	Military Legislative Assistant	Office of Senator Mike Rounds	andrew_braun@rounds.senate.gov
Philip Breuder	National Security Counsel	Office of Senator John Cornyn	phil_breuder@cornyn.senate.gov
Owen Brier	Legislative Assistant	Office of Senator Jon Ossoff	owen_brier@ossoff.senate.gov
Susanne Brooks	Senior Policy Advisor	Office of Senator Michael F. Bennet	susanne_brooks@bennet.senate.gov
Joe Brown	Senior Professional Staff Member	Committee on Environment and Public Works	joe_brown@epw.senate.gov
Christopher Brown	Legislative Correspondent	Office of Senator Dan Sullivan	christopher_brown@sullivan.senate.gov
Carlee Brown	Senior Legislative Assistant	Office of Senator John Hickenlooper	carlee_brown@hickenlooper.senate.gov
Marcus Brubaker	Senior Policy Advisor	Office of Senator Cynthia Marie Lummis	marcus_brubaker@lummis.senate.gov
Cassandra Brzezinski	Policy Advisor	Office of Senator Chris Van Hollen	cassandra_brzezinski@vanhollen.senate.gov
Brad Bunning	Chief of Staff	Office of Senator John A. Barrasso	brad_bunning@barrasso.senate.gov
Jennifer Burks	Senior Policy Advisor	Office of Senator Mazie Hirono	jen_burks@hirono.senate.gov
Angela Caalim	Professional Staff Member	Committee on Appropriations	angela_caalim@appro.senate.gov
Elizabeth Callaway	Professional Staff Member	Committee on Environment and Public Works	libby_callaway@epw.senate.gov
Lauren Campbell	Legislative Correspondent	Office of Senator Jack Reed	lauren_campbell@reed.senate.gov
Homer Carlisle	Senior Advisor on Infrastructure, Trade, and Transportation	Committee on Banking, Housing, and Urban Affairs	homer_carlisle@banking.senate.gov
Baxter Carr	Professional Staff Member	Committee on Environment and Public Works	baxter_carr@epw.senate.gov
Callum Case	Legislative Assistant	Office of Senator Rand Paul	callum_case@paul.senate.gov
Merav Ceren	Deputy Policy Director	Committee on Commerce, Science, and Transportation	merav_ceren@commerce.senate.gov
Micah Chambers	Legislative Director	Office of Senator Kevin J. Cramer	micah_chambers@cramer.senate.gov
James Chang	Policy Advisor	Office of Senator Brian Schatz	james_chang@schatz.senate.gov
Kyle Chapman	Senior Policy Advisor	Office of Senator Catherine Cortez Masto	kyle_chapman@cortezmasto.senate.gov
Katie Clements	Legislative Assistant	Office of Senator Patty Murray	katie_clements@murray.senate.gov
Jack Cline	Research Assistant	Committee on Environment and Public Works	jack_cline@epw.senate.gov
Timothy Cole	Research Assistant	Committee on Energy and Natural Resources	timothy_cole@energy.senate.gov
Harrison Costello	Senior Legislative Assistant	Office of Senator John Thune	chance_costello@thune.senate.gov
Samuel Crofts	Policy Director	Committee on Energy and Natural Resources	sam_crofts@energy.senate.gov
Caleb Crosswhite	Chief Counsel	Committee on Agriculture, Nutrition and Forestry	caleb_crosswhite@ag.senate.gov
Jeremy D'Aloisio	Legislative Director	Office of Senator Ed Markey	jeremy_d'aloesio@markey.senate.gov
Beatrix Dalton	Professional Staff Member	Committee on Homeland Security and Governmental Affairs	beatrix_dalton@hsgac.senate.gov

John	DeGaris	Legislative Correspondent	Office of Senator Katie Boyd Britt	john_degaris@britt.senate.gov
Catherine	Deponte	Legislative Correspondent	Office of Senator Peter F. Welch	cate_deponte@welch.senate.gov
Claire	Descamps	Senior Legislative Assistant	Office of Senator Kirsten E. Gillibrand	claire_descamps@gillibrand.senate.gov
Kathleen	Devlin	Policy Advisor	Office of Senator Steve Daines	katie_devlin@daines.senate.gov
Janelle	DiLuccia	Policy Advisor	Office of Senator Jeanne Shaheen	janelle_diluccia@shaheen.senate.gov
William	Dixon	Professional Staff Member	Committee on Environment and Public Works	will_dixon@epw.senate.gov
Leilani	Doktor	Energy and Natural Resources Couns	Office of Senator Brian Schatz	leilani_doktor@schatz.senate.gov
Peter	Dudziak	Legislative Assistant	Office of Senator Eric Schmitt	peter_dudziak@schmitt.senate.gov
Jacob	Dunklin	Legislative Aide	Office of Senator Ted Budd	jacob_dunklin@budd.senate.gov
Jacob	Ecke	Legislative Assistant	Office of Senator Chris Murphy	jacob_ecke@murphy.senate.gov
Jason	Edwards	Legislative Assistant	Office of Senator Patty Murray	jason_edwards@murray.senate.gov
Jacob	Egler	Senior Policy Advisor for Natural Res	Office of Senator Ron Wyden	jacob_egler@wyden.senate.gov
Benjamin	Ellgen	Legislative Aide	Office of Senator Tina Smith	ben_ellgen@smith.senate.gov
Lila	Englander	Legislative Aide	Office of Senator Patty Murray	lila_englander@murray.senate.gov
Tom	Erb	Senior Policy Advisor	Office of Senator John Hickenlooper	tom_erb@hickenlooper.senate.gov
Rachel	Erlebacher	Professional Staff Member	Committee on Appropriations	rachel_erlebacher@appro.senate.gov
Stephen	Eule	Senior Professional Staff Member	Committee on Energy and Natural Resources	steve_eule@energy.senate.gov
Nathan	Favero	Legislative Assistant	Office of Senator Mike Crapo	nate_favero@crapo.senate.gov
Carina	Fish	Legislative Assistant	Office of Senator Ed Markey	carina_fish@markey.senate.gov
Derek	Fisher	Professional Staff Member	Committee on Energy and Natural Resources	derek_fisher@energy.senate.gov
Sophie	Foley	Legislative Assistant	Office of Senator John Cornyn	sophie_foley@comyn.senate.gov
David	Gardner	Professional Staff Member	Committee on Energy and Natural Resources	david_gardner@energy.senate.gov
Coleman	Garrison	Professional Staff	Committee on Agriculture, Nutrition and Forestry	coleman_garrison@ag.senate.gov
Kevin	Gates	Professional Staff Member	Committee on Armed Services	kevin_gates@armed-services.senate.gov
Daniel	Gerig	Legislative Director	Office of Senator Steve Daines	dan_gerig@daines.senate.gov
Eric	Gerken	Coast Guard Fellow	Office of Senator Rick Scott	eric_gerken@rickscott.senate.gov
Herman	Gesser	Chief Counsel and Projects Director	Office of Senator John Neely Kennedy	herman_gesser@kennedy.senate.gov
Spencer	Gilbert	Legislative Correspondent	Office of Senator Mark R. Warner	spencer_gilbert@warner.senate.gov
Andrew	Gleaton	Legislative Assistant	Office of Senator Mike Crapo	andrew_gleaton@crapo.senate.gov
Scott	Graber	Chief Counsel and Deputy Legislative	Office of Senator Lindsey Graham	scott_graber@lgraham.senate.gov
Luke	Graeter	Policy Advisor	Office of Senator Bernie Moreno	luke_graeter@moreno.senate.gov
Christian	Graf	Senior Legislative Assistant	Office of Senator Gary C. Peters	christian_graf@peters.senate.gov
Creighton	Greene	Professional Staff Member	Committee on Armed Services	creighton_greene@armed-services.senate.gov

Hali	Gruber	Legislative Assistant	Office of Senator Lisa Murkowski	hali_gruber@murkowski.senate.gov
Eric	Gustafson	Energy Policy Advisor/Senior Policy	Office of Senator John Hoeven	eric_gustafson@hoeven.senate.gov
Hannah	Hagen	Professional Staff Member	Committee on Commerce, Science, and Transportati	hannah_hagen@commerce.senate.gov
Daniel	Hale	Policy Advisor	Office of Senator Marsha W. Blackburn	daniel_hale@blackburn.senate.gov
Eli	Harberts	Legislative Assistant	Office of Senator Chuck Grassley	eli_harberts@grassley.senate.gov
Christine	Harbin	Energy Policy Advisor	Office of Senator Bill Cassidy	christine_harbin@cassidy.senate.gov
Luke	Harris	Legislative Aide	Office of Senator Bill Hagerty	luke_harris@hagerty.senate.gov
James	Hart	National Security Advisor	Office of Senator Eric Schmitt	james_hart@schmitt.senate.gov
Olin	Hartkopf	Legislative Assistant	Office of Senator Angus King	olin_hartkopf@king.senate.gov
Mickey	Harvey	Legislative Correspondent	Office of Senator Jeff Alan Merkley	mickey_harvey@merkley.senate.gov
Rebecca	Hattar	Legislative Assistant	Committee on Environment and Public Works	rebecca_hattar@epw.senate.gov
Elena	Haynes	Legislative Assistant	Office of Senator Dick Durbin	elena_haynes@durbin.senate.gov
Deborah	Haynie	Senior Policy Advisor	Office of Senator Chris Van Hollen	deborah_haynie@vanhollen.senate.gov
Lucas	Heitkamp	Legislative Assistant	Office of Senator Mike Rounds	lucas_heitkamp@rounds.senate.gov
Devin	Helfrich	Policy Advisor	Office of Senator Maria Cantwell	devin_helfrich@cantwell.senate.gov
Michael	Helmer	Legislative Assistant	Office of Senator Kevin J. Cramer	michael_helmer@cramer.senate.gov
Jared	Henderson	Senior Agriculture Advisor	Office of Senator Ben Ray Lujan	jared_henderson@lujan.senate.gov
Samantha	Hendricks	Legislative Assistant	Office of Senator James E. Risch	samantha_hendricks@risch.senate.gov
Charlie	Hobbs	Legislative Assistant	Office of Senator Ted Budd	charlie_hobbs@budd.senate.gov
Trenton	Hoekstra	Legislative Assistant	Office of Senator Joni K. Ernst	trenton_hoekstra@ernst.senate.gov
Tyler	Hofmann-Reard	Legislative Assistant	Office of Senator Raphael Warnock	tyler_hofmann-reardon@warnock.senate.gov
Jack	Holt	Junior Counsel	Committee on Energy and Natural Resources	jack_holt@energy.senate.gov
Katherine	Huiskes	Legislative Correspondent	Office of Senator Susan M. Collins	katherine_huiskes@collins.senate.gov
Hans	Hunt	Legislative Assistant	Office of Senator Cynthia Marie Lummis	hans_hunt@lummis.senate.gov
Max	Hurst	Senior Policy Advisor	Office of Senator Amy Klobuchar	max_hurst@klobuchar.senate.gov
William	Irwin	Military Legislative Assistant	Office of Senator Marsha W. Blackburn	william_irwin@blackburn.senate.gov
Isaac	Jalkanen	Deputy General Counsel	Committee on Armed Services	isaac_jalkanen@armed-services.senate.gov
Theresa	Jeffrey	Legislative Assistant	Office of Senator James Lankford	theresa_jeffrey@lankford.senate.gov
Erin	Johnson	Policy Advisor	Office of Senator Dan Sullivan	erin_johnson@sullivan.senate.gov
Emma	Johnston	Legislative Assistant	Office of Senator Tommy Tuberville	emma_johnston@tuberville.senate.gov
Mariel	Jorgensen	Senior Legislative Assistant	Office of Senator Gary C. Peters	mariel_jorgensen@peters.senate.gov
Brett	Jortland	Deputy Chief Counsel	Committee on Environment and Public Works	brett_jortland@epw.senate.gov
Cydney	Karlins	Legislative Assistant	Office of Senator Raphael Warnock	cydney_karlins@warnock.senate.gov

Claire	Kaufman	Legislative Aide	Office of Senator Ed Markey	claire_kaufman@markey.senate.gov
Lukas	Kauth	Legislative Assistant	Office of Senator Peter F. Welch	lukas_kauth@welch.senate.gov
Bridget	Kelleher	Legislative Director	Office of Senator Catherine Cortez Masto	bridget_kelleher@cortezmasto.senate.gov
Andrew	Kelley	Legislative Assistant	Office of Senator John Boozman	andrew_kelley@boozman.senate.gov
Macie	Kelly	Policy Analyst	Committee on Agriculture, Nutrition and Forestry	macie_kelly@ag.senate.gov
Brady	Kenyon	Legislative Assistant	Office of Senator Kevin J. Cramer	brady_kenyon@cramer.senate.gov
Daniel	Ki	Counsel	Office of Senator Elizabeth Warren	daniel_ki@warren.senate.gov
Kelly Ann	Kimball Martir	Legislative Correspondent	Office of Senator John Curtis	kellyann_kimball@curtis.senate.gov
Kenneth	Klukowski	Deputy Chief Counsel	Senate Committee on Energy & Natural Resources	kenneth_klukowski@energy.senate.gov
Timothy	Kocher	Legislative Assistant	Office of Senator Ted Cruz	timothy_kocher@cruz.senate.gov
Grace	Kubitz	Legislative Assistant	Office of Senator Lisa Murkowski	grace_kubitz@murkowski.senate.gov
Sidney	Kucera	Legislative Correspondent	Office of Senator Deb Fischer	sidney_kucera@fischer.senate.gov
Jeanne	Kuehl	Professional Staff Member	Committee on Energy and Natural Resources	jeanne_kuehl@energy.senate.gov
Sherry	Kuntz	Legislative Assistant	Office of Senator Chuck Grassley	sherry_kuntz@grassley.senate.gov
Ashley	Law	Legislative Correspondent	Office of Senator Richard Blumenthal	ashley_law@blumenthal.senate.gov
Isaac	Lawson	Legislative Correspondent	Office of Senator Tim Scott	isaac_lawson@scott.senate.gov
Scott	Leathard	Legislative Counsel/Subcommittee N	Office of Senator Dan Sullivan	scott_leathard@sullivan.senate.gov
Manny	Ledesma	Legislative Correspondent	Office of Senator Mark R. Warner	manny_ledesma@warner.senate.gov
Mitchell	Lee	Legislative Aide	Office of Senator Kirsten E. Gillibrand	mittchell_lee@gillibrand.senate.gov
Kate	Leonard	Legislative Correspondent	Office of Senator Gary C. Peters	kate_leonard@peters.senate.gov
Christy	Lewis	Counsel	Committee on Commerce, Science, and Transportati	christy_lewis@commerce.senate.gov
Thomas	Liepold	Legislative Assistant	Office of Senator Amy Klobuchar	thomas_liepold@klobuchar.senate.gov
Jakob	Lindaas	Legislative Assistant	Office of Senator Martin T. Heinrich	jakob_lindaas@heinrich.senate.gov
Rachel	Littleton	Professional Staff Member	Committee on Appropriations	rachel_littleton@appro.senate.gov
Eric	Lofgren	Professional Staff Member	Committee on Armed Services	eric_lofgren@armed-services.senate.gov
JD	Logan	Legislative Assistant	Office of Senator Mike Lee	jd_logan@lee.senate.gov
Sean	Lokken	Policy Advisor	Office of Senator Catherine Cortez Masto	sean_lokken@cortezmasto.senate.gov
Mikhail	Love	Legislative Assistant	Office of Senator Roger F. Wicker	mikhail_love@wicker.senate.gov
Caryn	Lund	Senior Professional Staff Member	Committee on Environment and Public Works	caryn_moore@epw.senate.gov
Kate	Lundberg	Legislative Correspondent	Office of Senator John Thune	kate_lundberg@thune.senate.gov
Eliza	Lundy	Military Legislative Assistant	Office of Senator Cindy Hyde-Smith	eliza_lundy@hydesmith.senate.gov
Bennett	Lyday	Legislative Correspondent	Office of Senator Eric Schmitt	bennett_lyday@schmitt.senate.gov
Jake	Lynch	Professional Staff Member	Committee on Appropriations	jake_lynch@appro.senate.gov

Mary-Eileen Manning	Projects Advisor	Office of Senator Dan Sullivan	mary-eileen_manning@sullivan.senate.gov
Madeleine Marr	Legislative Assistant	Office of Senator John K. Fetterman	madeleine_marr@fetterman.senate.gov
Rajat Mathur	Professional Staff Member	Committee on Appropriations	rajat_mathur@appro.senate.gov
Jenna Mayhew	Legislative Aide	Office of Senator Chris Coons	jenna_mayhew@coons.senate.gov
Emily McBride	Senior Policy Advisor	Office of Senator Tommy Tuberville	emily_mcbride@tuberville.senate.gov
Karen McCarthy	Senior Legislative Assistant	Office of Senator Lisa Murkowski	karen_mccarthy@murkowski.senate.gov
Anna McCloskey	Senior Policy Advisor	Office of Senator Tina Smith	anna_mccloskey@smith.senate.gov
Keely McConville	Legislative Correspondent	Office of Senator Susan M. Collins	keely_mcconville@collins.senate.gov
Patrick McCormick	Chief Counsel	Committee on Energy and Natural Resources	patrick_mccormick@energy.senate.gov
Meghan McCully	Legislative Assistant	Office of Senator Tim Scott	meghan_mccully@scott.senate.gov
Jacob McCurdy	Policy Director	Committee on Energy and Natural Resources	jake_mccurdy@energy.senate.gov
Liam McEnroe	Legislative Assistant	Office of Senator Chris Murphy	liam_mcenroe@murphy.senate.gov
Joseph McGarvey	Senior Policy Advisor	Office of Senator Mazie Hirono	joe_mcgarvey@hirono.senate.gov
Evan McWalters	Legislative Assistant	Office of Senator Tim Kaine	evan_mcwalters@kaine.senate.gov
Lauren Medlin	Legislative Correspondent	Office of Senator Thom Tillis	lauren_medlin@tillis.senate.gov
Naseem Mehryar	Legislative Assistant	Office of Senator Maria Cantwell	naseem_mehryar@cantwell.senate.gov
Jacqueline Miech	Legislative Assistant	Office of Senator Jack Reed	jackie_miech@reed.senate.gov
Kurtis Miller	Legislative Assistant	Office of Senator John K. Fetterman	kurtis_miller@fetterman.senate.gov
Burke Miller	Legislative Assistant	Office of Senator Todd Young	burke_miller@young.senate.gov
Peter Mills	Legislative Assistant	Office of Senator Chris Murphy	peter_mills@murphy.senate.gov
Rachel Mitnick	Legislative Assistant	Office of Senator Jack Reed	rachel_mitnick@reed.senate.gov
Aves Mocek	Legislative Aide	Office of Senator Jim Justice	aves_mocek@justice.senate.gov
Caroline Moore	Legislative Assistant	Office of Senator Katie Boyd Britt	caroline_moore@britt.senate.gov
Ryan Murn	Research Assistant	Committee on Energy and Natural Resources	ryan_murn@energy.senate.gov
Benjamin Murray	Legislative Correspondent	Office of Senator Dan Sullivan	ben_murray@sullivan.senate.gov
Sade Nabahe	Legislative Assistant	Office of Senator Ed Markey	sade_nabahe@markey.senate.gov
Andrew Nam	Legislative Assistant	Office of Senator Pete Ricketts	andrew_nam@ricketts.senate.gov
Sindhu Nathan	Legislative Assistant	Office of Senator Tina Smith	sindhu_nathan@smith.senate.gov
Christopher Neubert	Professional Staff Member and Budget	Committee on Agriculture, Nutrition and Forestry	chris_neubert@ag.senate.gov
Ayla Neumeyer	Deputy Legislative Director/Appropriations	Office of Senator James E. Risch	ayla_neumeyer@risch.senate.gov
Jennifer Newman	Senior Economic Adviser	Office of Senator John Neely Kennedy	jennifer_newman@kennedy.senate.gov
Anna Newton	Professional Staff Member	Committee on Appropriations	anna_newton@appro.senate.gov
Carina Nichols	Policy Advisor	Office of Senator Dan Sullivan	carina_nichols@sullivan.senate.gov

Katherine Nikas	Chief Counsel	Office of Senator Lindsey Graham	kat_nikas@lgraham.senate.gov
Cameron O'Brien	Professional Staff Member	Committee on Appropriations	cameron_o'brien@appro.senate.gov
Montgomery Odle	Legislative Correspondent	Office of Senator Lisa Blunt Rochester	montgomery_odle@bluntrochester.senate.gov
Elodie Offord	Legislative and Policy Analyst	Committee on Foreign Relations	elodie_offord@foreign.senate.gov
Elizabeth Olsen	Counsel	Office of Senator Tammy Duckworth	lizzy_olsen@duckworth.senate.gov
Erika Ose	Legislative Assistant	Office of Senator Mike Crapo	erika_ose@crapo.senate.gov
Heather Pacheco	Legislative Aide	Office of Senator Martin T. Heinrich	heather_pacheco@heinrich.senate.gov
Jordan Pakula	Professional Staff Member	Committee on the Budget	jordan_pakula@budget.senate.gov
Jahnavi Patel	Legislative Correspondent	Office of Senator Tim Kaine	jahnavi_patel@kaine.senate.gov
Brad Patout	Professional Staff Member	Committee on Armed Services	brad_patout@armed-services.senate.gov
Simone Perez	Policy Director	Committee on Commerce, Science, and Transportati	simone_perez@commerce.senate.gov
Andrew Perlstein	Senior Policy Advisor for Transportat	Committee on Environment and Public Works	andrew_perlstein@epw.senate.gov
Mariah Pfleger	Senior Policy Advisor	Office of Senator Sheldon Whitehouse	mariah_pfleger@whitehouse.senate.gov
Cassi Phillips	Legislative Correspondent	Office of Senator Ted Budd	cassi_phillips@budd.senate.gov
Lacy Pitts	Legislative Assistant	Office of Senator Roger Wayne Marshall	lacy_pitts@marshall.senate.gov
Drew Platt	Professional Staff Member	Committee on Appropriations	andrew_platt@appro.senate.gov
Christopher Prandoni	Deputy Staff Director	Committee on Energy and Natural Resources	chris_prandoni@energy.senate.gov
James Priest	Counsel	Committee on Energy and Natural Resources	james_priest@energy.senate.gov
John Quirk	Professional Staff Member	Committee on Armed Services	john_quirk@armed-services.senate.gov
Angela Ramponi	Legislative Director	Office of Senator Lisa Murkowski	angela_ramponi@murkowski.senate.gov
Duncan Rankin	Senior Policy Advisor	Committee on Commerce, Science, and Transportati	duncan_rankin@commerce.senate.gov
Ramya Ravi	Legislative Aide	Office of Senator Alex Padilla	ramya_ravi@padilla.senate.gov
Edgar Rivas	Senior Policy Advisor	Office of Senator John Hickenlooper	edgar_rivas@hickenlooper.senate.gov
Wade Roberts	Legislative Correspondent	Office of Senator Roger F. Wicker	wade_roberts@wicker.senate.gov
Jackson Roberts	Legislative Correspondent	Office of Senator Tommy Tuberville	jack_roberts@tuberville.senate.gov
Matthew Robinson	Legislative Assistant	Office of Senator Lisa Murkowski	matthew_robinson@murkowski.senate.gov
Arielle Roth	Policy Director	Committee on Commerce, Science, and Transportati	arielle_roth@commerce.senate.gov
Dreyton Rud	Legislative Aide	Office of Senator Kevin J. Cramer	dreyton_rud@cramer.senate.gov
Alexis Rudd	Professional Staff Member	Committee on Commerce, Science, and Transportati	alexis_rudd@commerce.senate.gov
Alyssa Rudelis	Energy/Environment Fellow	Office of Senator Tina Smith	alyssa_rudelis@smith.senate.gov
Dominique Rupp	Legislative Assistant	Committee on Environment and Public Works	dominique_rupp@epw.senate.gov
Joe Russell	Legislative Assistant	Office of Senator Mark E. Kelly	joe_russell@kelly.senate.gov
Timothy Ryder	Legislative Assistant	Office of Senator Charles E. Schumer	tim_ryder@schumer.senate.gov

Rishi	Sahgal	Professional Staff Member	Committee on Appropriations	rishi_sahgal@appro.senate.gov
Samantha	Salonen	Research Assistant	Committee on Commerce, Science, and Transportati	samantha_salonen@commerce.senate.gov
Christina	Sandstedt	Coast Guard Fellow	Office of Senator Roger F. Wicker	christina_sandstedt@wicker.senate.gov
Grace	Saunders	Legislative Assistant	Committee on Energy and Natural Resources	grace_saunders@energy.senate.gov
Leah	Schaefer	Policy Advisor	Office of Senator John Curtis	leah_schaefer@curtis.senate.gov
Adam	Schiff	Agriculture Policy Advisor	Office of Senator Tina Smith	adam_schiff@smith.senate.gov
Sarah	Schmidt	Legislative Assistant/Health Policy D	Office of Senator John Thune	sarah_schmidt@thune.senate.gov
Benjamin	Schreiber	Director of Energy and Climate	Office of Senator Jeff Alan Merkley	ben_schreiber@merkley.senate.gov
Navva	Sedigh	Transportation Policy Advisor	Committee on Environment and Public Works	navva_sedigh@epw.senate.gov
Anthony	Sedillo	Professional Staff Member	Committee on Appropriations	anthony_sedillo@appro.senate.gov
Corey	Sellers	Banking Policy Advisor	Office of Senator Steve Daines	corey_sellers@daines.senate.gov
Anthony	Sidharta	Legislative Aide	Office of Senator Kirsten E. Gillibrand	anthony_sidharta@gillibrand.senate.gov
Eric	Slee	Senior Professional Staff	Committee on Agriculture, Nutrition and Forestry	eric_slee@ag.senate.gov
Alexandra	Slocum	Staff Director, Subcommittee on Che	Committee on Environment and Public Works	alexandra_slocum@mullin.senate.gov
LaShawnda	Smith	Executive Assistant	Committee on Appropriations	lashawnda_smith@appro.senate.gov
Warner	Speed	Legislative Assistant	Office of Senator Roger F. Wicker	warner_speed@wicker.senate.gov
Clayton	Stein	Legislative Assistant	Office of Senator Rick Scott	clayton_stein@rickscott.senate.gov
Adam	Stewart	Legislative Director	Office of Senator Cynthia Marie Lummis	adam_stewart@lummis.senate.gov
Laakea	Stone	Legislative Aide	Office of Senator Mazie K. Hirono	laakea_stone@hirono.senate.gov
Jessica	Sun	Professional Staff Member	Committee on Appropriations	jessica_sun@appro.senate.gov
Alexandra	Swanson	Legislative Assistant	Office of Senator Chris Van Hollen	alex_swanson@vanhollen.senate.gov
Hanna	Sweet	Policy Advisor	Office of Senator Jeff Alan Merkley	hanna_sweet@merkley.senate.gov
Sarah	Swig	Policy Advisor	Office of Senator Alex Padilla	sarah_swig@padilla.senate.gov
Tori	Teegarden	Legislative Assistant	Office of Senator John A. Barrasso	tori_teegarden@barrasso.senate.gov
Megan	Thompson	Chief Domestic Policy Advisor	Office of Senator Jacky Rosen	megan_thompson@rosen.senate.gov
Matthew	Thomson	Legislative Assistant	Office of Senator Cory Booker	matt_thomson@booker.senate.gov
Adam	Tomlinson	Staff Director	Committee on Environment and Public Works	adam_tomlinson@epw.senate.gov
Adam	Trull	Professional Staff Member	Committee on Armed Services	adam_trull@armed-services.senate.gov
Audrey	Trussell	Legislative Correspondent	Office of Senator Markwayne Mullin	audrey_trussell@mullin.senate.gov
Daniel	Ulmer	Deputy Chief of Staff	Office of Senator Cindy Hyde-Smith	daniel_ulmer@hydesmith.senate.gov
Dominic	Valentine	Legislative Correspondent	Office of Senator Mike Lee	dominic_valentine@lee.senate.gov
Jeff	Van Oot	Policy Advisor	Office of Senator Peter F. Welch	jeff_vanoot@welch.senate.gov
Leticia	Vega	NASA Detailee	Committee on Commerce, Science, and Transportati	leticia_vega@commerce.senate.gov

Evelyn	Vivar	Legislative Assistant	Office of Senator Peter F. Welch	evelyn_vivar@welch.senate.gov
Hanganh	Vo	Legislative Correspondent	Office of Senator Elizabeth Warren	hanganh_vo@warren.senate.gov
Hannah	Vogel	Policy Advisor	Office of Senator Ed Markey	hannah_vogel@markey.senate.gov
Harrison	Walker	Legislative Assistant	Office of Senator Thom Tillis	harrison_walker@tillis.senate.gov
Paul	Wasik	Deputy Director of Transportation Policy	Committee on Commerce, Science, and Transportation	paul_wasik@commerce.senate.gov
Henson	Webre	Senior Legislative Assistant	Office of Senator John Neely Kennedy	henson_webre@kennedy.senate.gov
Joel	Wellum	Counsel	Committee on Commerce, Science, and Transportation	joel_wellum@commerce.senate.gov
Claire	Wengrod	Professional Staff Member	Committee on Appropriations	claire_wengrod@appro.senate.gov
Bella	Weston	Legislative Correspondent	Office of Senator Peter F. Welch	bella_weston@welch.senate.gov
James	Whaley	Legislative Assistant	Office of Senator Michael F. Bennet	james_whaley@bennet.senate.gov
Claudia	White	Legislative Correspondent	Office of Senator Raphael Warnock	claudia_white@warnock.senate.gov
Sarah	Whiteley	Research Assistant	Committee on Commerce, Science, and Transportation	sarah_whiteley@commerce.senate.gov
Av	Whitney	Legislative Aide	Office of Senator Cory Booker	av_whitney@booker.senate.gov
Calla	Wickenhauser	Legislative Assistant	Office of Senator John Hoeven	calla_wickenhauser@hoeven.senate.gov
Pierce	Wiegard	Chief Counsel	Committee on Environment and Public Works	pierce_wiegard@epw.senate.gov
Kathleen	Williams	Professional Staff Member	Committee on Appropriations	kathleen_williams@appro.senate.gov
Hannah	Willis	Legislative Aide	Office of Senator Cindy Hyde-Smith	hannah_willis@hydesmith.senate.gov
Jade	Winfree	Federal Policy Advisor	Committee on Commerce, Science, and Transportation	jade_winfree@commerce.senate.gov
Veronica	Winham	Legislative Correspondent	Office of Senator Brian Schatz	veronica_winham@schatz.senate.gov
Matthew	Wininger	Legislative Correspondent	Office of Senator Joni K. Ernst	matthew_wininger@ernst.senate.gov
Jeremy	Witte	Professional Staff	Committee on Agriculture, Nutrition and Forestry	jeremy_witte@ag.senate.gov
Julia	Wood	Legislative Correspondent	Office of Senator Roger F. Wicker	julia_wood@wicker.senate.gov
John Henry	Woods	Legislative Correspondent	Office of Senator Katie Boyd Britt	johnhenry_woods@britt.senate.gov
Jason	Woolwine	Professional Staff Member	Committee on Appropriations	jason_woolwine@appro.senate.gov
Michael	Woosley	Legislative Fellow	Office of Senator Chris Coons	michael_woosley@coons.senate.gov
Nicholas	Wyatt	Professional Staff Member	Committee on the Budget	nick_wyatt@budget.senate.gov
Andrew	Zach	Senior Policy Advisor	Committee on Environment and Public Works	andrew_zach@epw.senate.gov
Charles	Ziegler	Legislative Assistant	Office of Senator John A. Barrasso	charles_ziegler@barrasso.senate.gov
Olga	Zoraqi	Senior Advisor	Office of Senator Jacky Rosen	olga_zoraqi@rosen.senate.gov



Massachusetts Institute of Technology
Senior Congressional Staff Seminar
“Technologies and Strategies for Responding to Energy and Climate Challenges”
 April 23-25, 2025

AGENDA

Wednesday, April 23: Day 1

Seminar location: Samberg Conference Center, 6th floor, Dining Rooms 5 and 6

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|--------------------------|---|
| 9:00 am | JetBlue Flight 1154 from Washington, D.C. to Boston |
| 10:30 am | Land in Boston, MA Logan airport |
| 10:30-11:00 am | Ground transportation from Boston Logan Airport to Residence Inn by Marriott Boston Cambridge (MIT buses) |
| 11:00-11:35 am | Check into Residence Inn by Marriott Boston Cambridge
120 Broadway, Cambridge, MA 02142 |
| 11:35 am | Bus from Residence Inn by Marriott Boston Cambridge to Samberg Conference Center for registration
Samberg Conference Center, 6 th floor, Dining Rooms 5 and 6
50 Memorial Drive, Cambridge, MA 02142 |
| 11:45 am-12:00 pm | Registration for participants |
| 12:00-1:30 pm | Welcome and luncheon
Samberg Conference Center, 6 th floor, Dining Rooms 5 and 6 |
| 12:15-1:00 pm | Participants introduce themselves |
| 1:00-1:05 pm | Ian A. Waitz , MIT Vice President for Research; Jerome C. Hunsaker Professor of Aeronautics and Astronautics
<i>Dr. Waitz welcomes participants on behalf of MIT's central administration.</i> |
| 1:05-1:20 pm | Evelyn N. Wang , MIT Vice President for Energy and Climate, Ford Professor of Engineering
<i>Dr. Wang will speak about MIT Climate Project and MIT's approach to climate. She will provide an overview of energy and climate research at MIT.</i> |
| 1:20-1:30 pm | William H. Green , Director, MIT Energy Initiative; Hoyt C. Hottel Professor, MIT Department of Chemical Engineering
Christopher Knittel , Associate Dean for Climate and Sustainability, George P. Shultz Professor and Professor of Applied Economics, MIT Sloan School of |



Management; Director, MIT Climate Project on Inventing New Policy Approaches

Professor Green will provide a brief background on MITEI, MIT's energy hub, focused on developing low- and no-carbon solutions to meet global energy needs. Professor Knittel will provide a brief background on MIT's Climate Policy Center, which serves as MIT's "front door" for local, state, federal, and international climate policymakers. In addition, both will give an overview of the seminar's program.

1:30-1:45 pm

Attendees transition from lunch space to main seminar space

1:45-3:00 pm

Climate & AI Session

AI tools offer opportunities for better climate mitigation but pose significant energy demand challenges. It will discuss: 1) the energy use of AI—how it might be reduced, and how to meet it; 2) the way AI can help with management of the electric grid, which can make it easier to use renewables; 3) the use of AI to study climate.

Moderator: **Bethany Patten**, Executive Director, MIT Climate Policy Center; Staff Director, MIT Climate Project Policy Mission; Senior Lecturer, MIT Sloan School of Management

Saurabh Amin, Edmund K. Turner Professor in Civil Engineering, MIT Laboratory for Information and Decision Systems and MIT Department of Civil and Environmental Engineering

Priya Danti, Silverman (1968) Family Career Development Professor and Assistant Professor, MIT Department of Electrical Engineering and Computer Science and MIT Laboratory for Information and Decision Systems

3:00-4:15 pm

The Role of Nuclear Energy in U.S. Power Generation

The panelists will explore the technological, economic, and other factors that could affect prospects for the expanded use of nuclear energy in the United States, including the development of small modular reactors and other newer nuclear technologies.

Moderator: **John Parsons**, Deputy Director for Research, MIT Center for Energy and Environmental Policy Research

Jacopo Buongiorno, Battelle Energy Alliance Professor of Nuclear Engineering; Director of Science and Technology, MIT Nuclear Reactor Laboratory; Director, MIT Center for Advanced Nuclear Energy Systems

Korosh Shirvan, Atlantic Richfield Career Development Professor in Energy Studies, MIT Department of Nuclear Science and Engineering

4:15-4:30 pm

Bus to MIT Plasma Science and Fusion Center
190 Albany St, Cambridge, MA 02139

4:30-6:15 pm

Tour of the MIT Plasma Science and Fusion Center
with a presentation by Commonwealth Fusion Systems



The MIT Plasma Science and Fusion Center is an international leader in the development of fusion energy. Scientists and engineers from the PSFC and MIT spinout Commonwealth Fusion Systems will present on recent advances in fusion science and technology and give an update on progress towards a commercial fusion power plant.

Jennifer Ganten, Chief Global Affairs Officer, Commonwealth Fusion Systems
Nuno F. Loureiro, Director, MIT Plasma Science and Fusion Center; Professor of Nuclear Science and Engineering and Herman Feshbach (1942) Professor of Physics, MIT

MIT Plasma Science and Fusion Center Lab tour instructions

- Closed-toe shoes should be worn on the lab tour.
- During the tour, information on the hallway walls may be photographed.
- In the lab, there are a few areas that cannot be photographed. Tour location staff will confirm these locations upon arrival.

6:15 pm

Bus to Residence Inn by Marriott Boston Cambridge
Residence Inn by Marriott Boston Cambridge
120 Broadway, Cambridge, MA 02142

6:30-8:30 pm

Dinner with Panel of MIT Graduate Students talking about the Future of Climate & Energy Research

Doc Edgerton Room, Residence Inn by Marriott Boston Cambridge,
120 Broadway, Cambridge, MA 02142

Working event for seminar participants to engage with MIT graduate students working on energy research to further discuss the topics explored during the afternoon sessions and those in upcoming sessions.

Moderator: **Bethany Patten**, Executive Director, MIT Climate Policy Center;
Staff Director, MIT Climate Project Policy Mission; Senior Lecturer, MIT Sloan School of Management



Thursday, April 24: Day 2

Seminar location: MIT Bush Room (10-105)

7:30-8:30 am **Breakfast at Residence Inn by Marriott Boston Cambridge**
Residence Inn by Marriott Boston Cambridge
120 Broadway, Cambridge, MA 02142

8:30-8:45 am **Walk to MIT Bush Room (10-105)**

8:45-10:15 am **Agriculture: Climate Adaptation and Emissions Abatement Tools**
The panelists will explore possible technological approaches to help feed the world as the climate changes and while reducing the climate impacts of agriculture. Specific topics will include capturing methane, strengthening crop resiliency, and developing low-carbon methods for crop fertilization.

Moderator: **Desirée Plata**, Professor, MIT Department of Civil and Environmental Engineering; Director, MIT Climate and Sustainability Consortium; Director, MIT Methane Network; Co-Director, MIT Superfund Research Program

David L. Des Marais, Cecil and Ida Green Career Development Professor and Associate Professor, MIT Department of Civil and Environmental Engineering

Ariel L. Furst, Paul M. Cook Career Development Professor of Chemical Engineering, MIT Department of Chemical Engineering

Bradley D. Olsen, Alexander and I. Michael Kasser (1960) Professor and Executive Officer, MIT Department of Chemical Engineering; Faculty Director, MISTI-Brazil and MISTI-Amazonia Programs

10:15-10:30 am **Break**

10:30 am-12:00 pm **Advancing Industry & Commercial Transportation**
The panelists will explore possible ways to reduce environmental impacts of industrial production, aviation, and trucking – sectors that contribute significantly to greenhouse gas emissions but which cannot be easily electrified. They will discuss their work to develop affordable low-emissions solutions for these sectors.

Moderator: **William H. Green**, Director, MIT Energy Initiative; Hoyt C. Hottel Professor, MIT Department of Chemical Engineering

Florian Allroggen, Principal Research Scientist, MIT Department of Aeronautics & Astronautics; Executive Director, MIT Laboratory for Aviation and the Environment

Yet-Ming Chiang, Kyocera Professor, MIT Department of Materials Science and Engineering

Bilge Yildiz, Breene M. Kerr (1951) Professor, MIT Departments of Nuclear Science and Engineering and Materials Science and Engineering

**12:00-1:30 pm****Lunch with MIT Climate Project Mission Directors**

In 2024, MIT launched a whole-of-MIT initiative to respond to the multiple challenges of global climate change. As part of that project, six areas of focus or "missions" emerged. Each mission addresses a broad domain where solutions are required for effective climate response and where a critical mass of excellent research capabilities exists at MIT. The panelists will cover their roles in the Climate Project, and will encourage an open dialogue with participants to identify areas at the intersection of the mission objectives and policy community needs.

Andrew R. Babbin, Associate Professor, MIT Department of Earth, Atmospheric & Planetary Sciences; Co-Director, MIT Climate Project Mission on Restoring the Atmosphere, Protecting the Land and Oceans

Christopher Knittel, Associate Dean for Climate and Sustainability, George P. Shultz Professor and Professor of Applied Economics, MIT Sloan School of Management; Director, MIT Climate Project on Inventing New Policy Approaches

Christoph Reinhart, Alan and Terri Spoon Professor of Architecture and Climate, MIT Department of Architecture; Director, MIT Climate Project Mission on Resilient and Prosperous Cities

1:30-2:45 pm**Resilient and Energy Efficient Housing for the Future**

The panelists will explore approaches to making housing more energy efficient and resilient to climate change in affordable ways. They will discuss examples of how technologists, architects, planners, and others involved in housing are working on these issues.

Moderator: **Drew Story**, Policy Director, MIT Climate Policy Center
Mariana Arcaya, Germeshausen Professor of Urban Planning and Public Health, MIT Department of Urban Studies and Planning

Christoph Reinhart, Alan and Terri Spoon Professor of Architecture and Climate, MIT Department of Architecture; Director, MIT Climate Project Mission on Resilient and Prosperous Cities

Justin Steil, Associate Professor of Law and Urban Planning, MIT Department of Urban Studies and Planning

2:45-3:15 pm**Travel time to Lab Tours****3:15-5:45 pm****Tours****Sublime Systems**

28 Park Street, Somerville, MA

Sublime Systems is an MIT spinout that makes low-carbon cement, using electrochemistry instead of heat and combustion to transform minerals into the building material. The visit will be to the headquarters of Sublime Systems, located in Somerville, MA. The headquarters houses Sublime's 5,000 square foot laboratory for R&D as well as Sublime's pilot plant, with a nameplate production



capacity of 250 tons per year. The tour will describe the core Sublime technology and showcase Sublime's world class cement testing laboratory.

Glen Junor, Program Manager, Public Sector, Sublime Systems

Sublime Systems tour instructions

- Sublime's office space includes a research lab and pilot cement-production plant.
- Photography is not allowed.
- Tour of Sublime's pilot cement-production plant requires a signed NDA.
- Closed-toe shoes and pants are required for entry.
- Protective eyewear will be provided for the tour.
- No food or drink is allowed.

Form Energy

30 Dane St, Somerville, MA 02143

Form Energy is an MIT spinout making iron-air batteries that store electricity for multiple days. We will tour the company's R&D and subscale testing facility and hear about the full-scale development and manufacturing of this American-made multi-day energy storage system. The batteries use common materials and can help utilities meet power demand and ensure a clean, secure, and reliable electric grid.

Ted Wiley, Co-founder and Chief Operating Officer, Form Energy

Form Energy tour instructions

- Tour of Form Energy requires a signed NDA.
- Footwear/Clothing: Please wear closed-toed shoes and long pants, as well as socks that leave no skin exposed on your ankles for your safety.
- Safety Glasses: If you take a tour of our lab spaces, you will be provided with regular, non-prescription safety glasses. We have both regular safety glasses and ones that fit over existing prescription glasses.
- Please do not take photos in lab spaces or technology. Form Energy team members on the tour will find time for some photos at the beginning and/or end of the tour for photos.

5:45-6:20 pm

Travel time back to campus/hotel

6:30 pm

Walk to Samberg Center

6:45-8:45 pm

Dinner with speaker: Terawatt Scale Geothermal

Samberg Conference Center, 7th floor, Salons T and West,
50 Memorial Drive, Cambridge, MA 02142

Carlos Araque, CEO of Quaise Energy, a U.S.-based geothermal energy MIT spin-out that is commercializing a drilling technology to unlock geothermal



energy at scale, will discuss this emerging technology — using gyrotrons to unlock superhot geothermal energy. It is one of the only solutions that can reach economic and power parity with fossil fuels. He will share perspectives on how the sector can contribute to decarbonizing primary energy and make the future of energy secure and affordable for everyone by drilling hotter and deeper than ever before.

Carlos Araque, Founder and CEO, Quaise Energy



Friday, April 25: Day 3

Seminar location: Doc Edgerton Room, Residence Inn by Marriott Boston Cambridge,
120 Broadway, Cambridge, MA 02142

7:30-8:45 am **Continental breakfast at hotel/check out**
(Bags can be left at the hotel front desk)

8:45-10:15 am **Electricity Transmission: Ensuring a Smart, Affordable, and Resilient Grid**
The panelists will explore possible approaches to enabling the U.S. electric power system to meet projected demand growth and spur economic development, to lower household energy costs, to bolster the system's resilience to natural or deliberate disruptions, and to achieve environmental outcomes. The discussion will include MIT research on smart grids and on modeling the impacts of various policy approaches.

Moderator: **Drew Story**, Policy Director, MIT Climate Policy Center
Anuradha Annaswamy, Senior Research Scientist, MIT Department of Mechanical Engineering; Founder and Director, Active-Adaptive Control Laboratory
Christopher Knittel, Associate Dean for Climate and Sustainability, George P. Shultz Professor and Professor of Applied Economics, MIT Sloan School of Management; Director, MIT Climate Project on Inventing New Policy Approaches
Juan Senga, Postdoctoral Associate, MIT Center for Energy and Environmental Policy Research and MIT Climate Policy Center

Introductions for the following individual presenters will be provided by:

Bethany Patten, Executive Director, MIT Climate Policy Center; Staff Director, MIT Climate Project Policy Mission; Senior Lecturer, MIT Sloan School of Management

10:15-11:00 am **The Effects of Climate Change on Home Insurance**
The speaker will discuss how climate risk is disrupting insurance markets, and will analyze policy responses being tried around the world and in the U.S.

Adam Solomon, PhD Candidate, MIT Department of Economics

11:00-11:20 am **Break**

11:20 am-12:45 pm **En-ROADS**
The En-ROADS Climate Workshop uses the En-ROADS climate solutions simulator, which gives users the opportunity to test out different policy approaches for climate change, and to assess their possible impacts. This will be an interactive, group exercise.

Andrew Jones, Executive Director, Climate Interactive; Research Affiliate, MIT Sloan School of Management



12:45-2:30 pm

Lunch with discussion

The Costs and Benefits of Environmental Policies

This session will present recent research that evaluated 96 U.S. environmental policies from the last 25 years to quantify their effects on Americans and their cost to taxpayers. This approach to policy analysis facilitates policy comparisons across policy categories, such as comparing environmental policies to public investments in education or healthcare.

Nathaniel Hendren, Professor, MIT Department of Economics; Co-Founder, Policy Impacts

2:30-3:30 pm

Fitting It All Together: Discussion & Seminar Evaluation

This session will review the entire seminar program, including sessions on climate and AI, nuclear energy, agriculture, industry and commercial transportation, MIT's Climate Project, housing, electricity transmission, carbon border adjustments, home insurance, and En-ROADS. We will answer additional questions from participants about the material throughout the seminar program and the full picture that has emerged. We will also ask for feedback on the seminar structure and additional areas of interest.

Moderator: **David Goldston**, Director, MIT Washington Office

William H. Green, Director, MIT Energy Initiative; Hoyt C. Hottel Professor, MIT Department of Chemical Engineering

Christopher Knittel, Associate Dean for Climate and Sustainability, George P. Shultz Professor and Professor of Applied Economics, MIT Sloan School of Management; Director, MIT Climate Project on Inventing New Policy Approaches

3:30-4:00 pm

Retrieve luggage and board bus

4:00-4:45 pm

Travel by bus to Boston Logan Airport

6:11-7:59 pm

JetBlue Flight 2255 from Boston to Washington, D.C.

**Massachusetts Institute of Technology
Senior Congressional Staff Seminar
Technologies and Strategies for Responding to
Energy and Climate Challenges
April 23-25, 2025**

AGENDA

Wednesday, April 23: Day 1

- **9:00-10:45 am** Flight from Washington D.C. to Boston, MA
- **10:45-11:15 am** Ground transportation from Logan Airport to Residence Inn by Marriott Boston Cambridge
- **11:15-11:40 am** Check into Residence Inn by Marriott Boston Cambridge
- **11:40 am** Bus from Residence Inn by Marriott Boston Cambridge to Samberg Conference Center for registration
- **11:50 am-12:00 pm** Registration for participants
- **12:00-1:30 pm** Welcome and luncheon
 - Participants introduce themselves
 - **Ian A. Waitz**, Jerome C. Hunsaker Professor of Aeronautics and Astronautics; MIT Vice President for Research
Dr. Waitz will welcome participants on behalf of MIT's central administration.
 - **William H. Green**, Director, MIT Energy Initiative; Hoyt C. Hottel Professor, MIT Department of Chemical Engineering
Professor Green will provide a brief background on MITEI, MIT's energy hub, focused on developing low- and no-carbon solutions to meet global energy needs. In addition, he will give an overview of the seminar's program.
- **1:30-2:45 pm** Climate and AI
AI tools offer opportunities for better climate mitigation but pose significant energy demand challenges.
 - Moderator: **David Goldston**, Director, MIT Washington Office
 - **Saurabh Amin**, Professor, MIT Department of Civil and Environmental Engineering
 - **Priya Donti**, Silverman (1968) Family Career Development Professor; Assistant Professor, MIT Department Electrical Engineering and Computer Science
- **2:45-3:00 pm** Break
- **3:00-4:15 pm** The Role of Nuclear Energy in U.S. Power Generation
The panelists will explore the technological, economic, and other factors that could affect prospects for the expanded use of nuclear energy in the United

States, including the development of small modular reactors and other newer nuclear technologies.

- Moderator: **John Parsons**, Deputy Director for Research, MIT Center for Energy and Environmental Policy Research
- **Jacopo Buongiorno**, Battelle Energy Alliance Professor of Nuclear Engineering; Director of Science and Technology, MIT Nuclear Reactor Laboratory; Director, MIT Center for Advanced Nuclear Energy Systems (CANES)
- **Koroush Shirvan**, Atlantic Richfield Career Development Professor in Energy Studies, MIT Department of Nuclear Science and Engineering
- **4:15-4:30 pm** Bus to MIT Plasma Science and Fusion Center
- **4:30-6:00 pm** Tour of MIT Plasma Science and Fusion Center
The MIT Plasma Science and Fusion Center is an international leader in the development of fusion energy. Scientists and engineers from the PSFC and MIT spinout Commonwealth Fusion Systems will present on recent advances in fusion science and technology and give an update on progress towards a commercial fusion power plant.
 - **Jennifer Ganten**, Chief Global Affairs Officer, Commonwealth Fusion Systems
 - **Nuno F. Loureiro**, Director, MIT Plasma Science and Fusion Center; Professor of Nuclear Science and Engineering and Herman Feshbach (1942) Professor of Physics, MIT
- **6:00 pm** Bus to Residence Inn by Marriott Boston Cambridge
- **6:30-8:15 pm** Dinner with Panel of MIT Graduate Students talking about the Future of Climate & Energy Research
Working event for seminar participants to engage with MIT graduate students working on energy research to further discuss the topics explored during the afternoon sessions and those in upcoming sessions.
 - Moderator: **Bethany Patten**, Executive Director, MIT Climate Policy Center; Staff Director, MIT Climate Project Policy Mission; Senior Lecturer, MIT Sloan School of Management

Thursday, April 24: Day 2

- **7:30-8:30 am** Breakfast at Residence Inn by Marriott Boston Cambridge
- **8:30-8:45 am** Walk to MIT Bush Room
- **8:45-10:15 am** Agriculture: Climate Adaptation and Emissions Abatement Tools
The panelists will explore possible technological approaches to help feed the world as the climate changes and while reducing the climate impacts of agriculture. Specific topics will include capturing methane, strengthening crop resiliency, and developing low-carbon methods for crop fertilization.

- Moderator: **Desirée Plata**, Professor, MIT Department of Civil and Environmental Engineering; Director, MIT Climate and Sustainability Consortium; Director, MIT Methane Network; Co-Director, MIT Superfund Research Program
 - **Ariel L. Furst**, Paul M. Cook Career Development Professor, MIT Department of Chemical Engineering
 - **Benedetto Marelli**, Associate Professor, MIT Department of Civil and Environmental Engineering; Wild Cards Mission Director, MIT Climate Project
 - **Bradley D. Olsen**, Alexander and I. Michael Kasser (1960) Professor, MIT Department of Chemical Engineering
- **10:15-10:30 am** Break
- **10:30 am-12:30 pm** Advancing Industry & Commercial Transportation
The panelists will explore possible ways to reduce the climate impacts of industrial production, aviation, and trucking—all sectors that contribute significantly to U.S. CO2 emissions but cannot be easily electrified. Specifically, the panelists will discuss their work to develop affordable, low-emissions solutions for these sectors.
 - Moderator: **William H. Green**, Director, MIT Energy Initiative; Hoyt C. Hottel Professor, MIT Department of Chemical Engineering
 - **Florian Allroggen**, Principal Research Scientist, MIT Department of Aeronautics and Astronautics
 - **Yet-Ming Chiang**, Kyocera Professor, MIT Department of Materials Science and Engineering
 - **Bilge Yildiz**, Breene M. Kerr (1951) Professor, MIT Departments of Nuclear Science and Engineering and Materials Science and Engineering
- **12:00-1:30 pm** Lunch with MIT Climate Project Mission Directors
In 2024, MIT launched whole-of-MIT initiative to respond to the multiple challenges of global climate change. As part of that project, six areas of focus or “missions” emerged. Each mission addresses a broad domain where solutions are required for effective climate response and where a critical mass of excellent research capabilities exists at MIT. The panelists will cover their roles in the Climate Project, and will encourage an open dialogue with participants to identify areas at the intersection of the mission objectives and policy community needs.
 - **Andrew R. Babb**, Associate Professor, MIT Earth, Atmospheric & Planetary Sciences; Director, MIT Climate Project Mission on Restoring the Atmosphere, Protecting the Land and Oceans
 - **Christopher Knittel**, Associate Dean for Climate and Sustainability, George P. Shultz Professor and Professor of Applied Economics; MIT Sloan School of Management; Director, MIT Climate Project on Inventing New Policy Approaches
 - **Benedetto Marelli**, Associate Professor, MIT Department of Civil and Environmental Engineering; Director, MIT Climate Project Mission on Wild Cards

- **Elsa Olivetti**, Associate Dean of Engineering, Jerry McAfee Professor in Engineering, MIT Department of Materials Science and Engineering; Director, MIT Climate Project Mission on Decarbonizing Energy and Industry
 - **Christoph Reinhart**, Alan and Terri Spoon Professor of Architecture, MIT Department of Architecture; Climate Director, MIT Climate Project Mission on Resilient and Prosperous Cities
 - **Evelyn Wang**, MIT Vice President for Climate; Ford Professor of Engineering, MIT Department of Mechanical Engineering
- **1:30-2:45 pm** Resilient and Energy Efficient Housing for the Future
The panelists will explore approaches to making housing more energy efficient and resilient to climate change in affordable ways. They will discuss examples of how technologists, architects, planners, and others involved in housing are working on these issues.
 - **Mariana Arcaya**, Professor of Urban Planning and Public Health, MIT Department of Urban Studies and Planning
 - **Christoph Reinhart**, Alan and Terri Spoon Professor of Architecture, MIT Department of Architecture; Climate Director, MIT Climate Project Mission on Resilient and Prosperous Cities
 - **Justin Steil**, Associate Professor of Law and Urban Planning, MIT Department of Urban Studies and Planning
- **2:45-3:15 pm** Tour travel time
- **3:15-5:30 pm** Tours
 - **Sublime Systems**
Sublime Systems is an MIT spinout that makes low-carbon cement, using electrochemistry instead of heat and combustion to transform minerals into the building material.
Glen Junor, Program Manager, Public Sector, Sublime Systems
 - **Form Energy**
Form Energy is an MIT spinout that makes iron-air batteries that store electricity for multiple days. The batteries use common materials and can help utilities meet power demand and ensure a clean, secure, and reliable electric grid.
Ted Wiley, President and Chief Operating Officer, Form Energy
- **5:30-6:00 pm** Travel back to campus/hotel
- **6:30 pm** Walk/bus to Samberg Conference Center
- **6:45- 8:45 pm** Dinner with speaker
 Terawatt Scale Geothermal
Carlos Araque, CEO of Quaise Energy, a U.S.-based geothermal energy MIT spin-out that is commercializing a drilling technology to unlock geothermal energy at scale, will discuss this emerging technology and share perspectives on how the sector can contribute to decarbonizing primary energy.
 - **Carlos Araque**, Founder and CEO, Quaise Energy

Friday, April 25: Day 3

- **7:30-8:45 am** Continental breakfast at hotel/check out
- **8:45-10:15 am** Electricity Transmission: Ensuring a Smart, Affordable and Resilient Grid
The panelists will explore possible approaches to enabling the U.S. electric power system to meet projected demand growth and spur economic development, to lower household energy costs, to bolster the system's resilience to natural or deliberate disruptions, and to achieve environmental outcomes. The discussion will include MIT research on smart grids and on modeling the impacts of various policy approaches.
 - Moderator: **Drew Story**, Policy Director, MIT Climate Policy Center
 - **Anuradha Annaswamy**, Senior Research Scientist, MIT Department of Mechanical Engineering; Founder and Director, Active-Adaptive Control Laboratory
 - **Christopher Knittel**, Associate Dean for Climate and Sustainability, George P. Shultz Professor and Professor of Applied Economics; MIT Sloan School of Management; Director, MIT Climate Project on Inventing New Policy Approaches
 - **Juan Senga**, Postdoctoral Associate, MIT Center for Energy and Environmental Policy Research and MIT Climate Policy Center
- **10:15-10:45 am** Carbon Border Adjustments
This session will describe recent research on policy options for a carbon border adjustment policy and their potential impacts on trade flows, revenues, consumer prices, and environmental outcomes. The presentation will include discussion of the European Union Carbon Border Adjustment Mechanism and what the U.S. can conclude from it.
 - **Catherine D. Wolfram**, William Barton Rogers Professor in Energy and Professor of Applied Economics, MIT Sloan School of Management
- **10:45-11:00 am** Break
- **11:00-11:30 am** The Effects of Climate Change on Home Insurance
The speaker will discuss how climate risk is disrupting insurance markets, and will analyze policy responses being tried around the world and in the U.S.
 - **Adam Solomon**, PhD Candidate, MIT Department of Economics
- **11:30 am-12:45 pm** En-ROADS
The En-ROADS Climate Workshop uses the En-ROADS climate solutions simulator, which gives users the opportunity to test out different policy approaches for climate change, and to assess their possible impacts. This will be an interactive, group exercise.
 - **Andrew Jones**, Executive Director, Climate Interactive; Research Affiliate, MIT Sloan School of Management
- **12:45-1:00 pm** Walk to MIT Energy Initiative

- **1:00-2:30 pm** Lunch with discussion: The Costs and Benefits of Environmental Policies
This session will present recent research that evaluated 96 U.S. environmental policies from the last 25 years to quantify their effects on Americans and their cost to taxpayers. This approach to policy analysis facilitates policy comparisons across policy categories, such as comparing environmental policies to public investments in education or healthcare.
 - **Nathaniel Hendren**, Professor, MIT Department of Economics; Co-Founder, Policy Impacts
- **2:30-3:30 pm** Fitting it all together, discussion & seminar evaluation
This session will review the entire program and provide participants a chance to ask questions about the full picture that has emerged.
 - Moderator: **David Goldston**, Director, MIT Washington Office
 - **William H. Green**, Director, MIT Energy Initiative; Hoyt C. Hottel Professor, MIT Department of Chemical Engineering
 - **Christopher Knittel**, Associate Dean for Climate and Sustainability, George P. Shultz Professor and Professor of Applied Economics; MIT Sloan School of Management; Director, MIT Climate Project on Inventing New Policy Approaches
- **3:30-4:15 pm** Return to Residence Inn by Marriott Boston Cambridge, retrieve luggage and board bus
- **4:15-4:45 pm** Travel by bus to Logan Airport
- **6:11-7:59pm** Flight from Boston to Washington, D.C.