



U.S. House of Representatives COMMITTEE ON ETHICS

EMPLOYEE POST-TRAVEL DISCLOSURE FORM [ ] Original [ ] Amendment

This form is for disclosing the receipt of travel expenses from private sources for travel taken in connection with official duties. This form does not eliminate the need to report privately-funded travel on the annual Financial Disclosure Statements of those employees required to file them. In accordance with House Rule 25, clause 5, you must complete this form and file it with the Clerk of the House, by email at gifttravelreports@mail.house.gov, within 15 days after travel is completed. Please do not file this form with the Committee on Ethics.

NOTE: Willful or knowing misrepresentations on this form may be subject to criminal prosecution pursuant to 18 U.S.C. § 1001.

- 1. Name of Traveler:
2. a. Name of Accompanying Relative: OR None
b. Relationship to Traveler: Spouse Child Other (specify):
3. a. Dates: Departure: Return:
b. Dates at Personal Expense, if any: OR None
4. Departure City: Destination: Return City:
5. Sponsor(s), Who Paid for the Trip:
6. Describe Meetings and Events Attended:

- 7. Attached to this form are each of the following, signify that each item is attached by checking the corresponding box:
a. a completed Sponsor Post-Travel Disclosure Form;
b. the Primary Trip Sponsor Form completed by the trip sponsor prior to the trip, including all attachments and the Additional Sponsor Form(s);
c. page 2 of the completed Traveler Form submitted by the employee; and
d. the letter from the Committee on Ethics approving my participation on this trip.
8. a. I represent that I participated in each of the activities reflected in the attached sponsor's agenda. Signify statement is true by checking the box.
b. If not, explain:

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

Signature of Traveler: [Signature] Date:

I authorized this travel in advance. I have determined that all of the expenses listed on the attached Sponsor Post-Travel Disclosure Form were necessary and that the travel was in connection with the employee's official duties and would not create the appearance that the employee is using public office for private gain.

Name of Supervising Member: Date:

Signature of Supervising Member: [Signature]



U.S. House of Representatives

# COMMITTEE ON ETHICS

## SPONSOR POST-TRAVEL DISCLOSURE FORM

Original  Amendment

This form must be completed by an officer of any organization that served as the primary trip sponsor in providing travel expenses or reimbursement for travel expenses to House Members, officers, or employees under House Rule 25, clause 5. **A completed copy of the form must be provided to each House Member, officer, or employee who participated on the trip within ten days of their return.** You must answer all questions, and check all boxes, on this form for your submission to comply with House rules and the Committee's travel regulations. Failure to comply with this requirement may result in the denial of future requests to sponsor trips and/or subject the current traveler to disciplinary action or a requirement to repay the trip expenses.

**NOTE: Willful or knowing misrepresentations on this form may be subject to criminal prosecution pursuant to 18 U.S.C. § 1001.**

1. Sponsor(s) who paid for the trip: \_\_\_\_\_

2. Travel Destination(s): \_\_\_\_\_

3. Date of Departure: \_\_\_\_\_ Date of Return: \_\_\_\_\_

4. Name(s) of Traveler(s): \_\_\_\_\_


*Note:* You may list more than one traveler on a form only if *all* information is *identical* for each person listed.

5. Actual amount of expenses paid on behalf of, or reimbursed to, each individual named in Question 4:

	Total Transportation Expenses	Total Lodging Expenses	Total Meal Expenses	Total Other Expenses (dollar amount per item and description)
Traveler				
Accompanying Family Member				

6.  All expenses connected to the trip were for actual costs incurred and not a *per diem* or lump sum payment. Signify statement is true by checking box.

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

Signature: \_\_\_\_\_  \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Organization: \_\_\_\_\_

I am an officer of the above-named organization. Signify statement is true by checking box.

Address: \_\_\_\_\_

Email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**Committee staff may contact the above-named individual if additional information is required.**

If you have questions regarding your completion of this form, please contact the Committee on Ethics at 202-225-7103.



U.S. House of Representatives

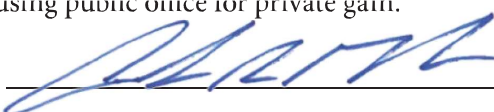
# COMMITTEE ON ETHICS

## TRAVELER FORM

1. Name of Traveler: Nicholas Keddy
2. Sponsor(s) who will be paying or providing in-kind support for the trip:  
The Climate Solutions Foundation (CSF)
3. City and State **OR** Foreign Country of Travel : New York City, New York
4. a. Date of Departure: 4/24/23 Date of Return: 4/25/23  
b. Yes  No  Will you be extending the trip at your personal expense?  
If yes, list dates at personal expense: \_\_\_\_\_
5. a. Yes  No  Will you be accompanied by a family member at the sponsor's expense? **If yes:**  
(1) Name of Accompanying Family Member: \_\_\_\_\_  
(2) Relationship to Traveler:  Spouse  Child  Other (specify): \_\_\_\_\_  
(3) Yes  No  Accompanying Family Member is at least 18 years of age:
6. a. Yes  No  Did the trip sponsor answer "Yes" to Question 8(c) on the *Primary Trip Sponsor Form* (i.e., travel is sponsored by an entity that employs a registered federal lobbyist or a foreign agent)?  
b. **If yes**, and you are requesting lodging for two nights, explain why the second night is warranted:
7. Yes  No  *Primary Trip Sponsor Form* is attached, including agenda, invitee list, and any other attachments and Additional Sponsor Forms.  
  
*NOTE: The agenda should show the traveler's individual schedule, including departure and arrival times and identify the specific events in which the traveler will be participating.*
8. Explain why participation in the trip is connected to the traveler's individual official or representational duties.  
**Staff should include their job title and how the activities on the itinerary relate to their duties.**  
As Congressman Garbarino's Scheduler and energy/environment staffer, I oversee relevant energy and environmental policy and support the Congressman's role as Co-Chair of the Climate Solutions Caucus and member of the Conservative Climate Caucus. As this trip is hosted by the Climate Solutions caucus, my taking part aligns with my assigned legislative portfolio.
9. **Yes  No  Is the traveler aware of any registered federal lobbyists or foreign agents involved planning, organizing, requesting, or arranging the trip?**
10. For staff travelers, to be completed by your employing Member:

### ADVANCED AUTHORIZATION OF EMPLOYEE TRAVEL

I hereby authorize the individual named above, an employee of the U.S. House of Representatives who works under my direct supervision, to accept expenses for the trip described in this request. I have determined that the above-described travel is in connection with my employee's official duties and that acceptance of these expenses will not create the appearance that the employee is using public office for private gain.

Signature of Employing Member 

Date 03/21/2023



U.S. House of Representatives

# COMMITTEE ON ETHICS

## PRIMARY TRIP SPONSOR FORM

This form should be completed by private entities offering to provide travel or reimbursement for travel to House Members, officers, or employees under House Rule 25, clause 5. A completed copy of the form (and any attachments) should be provided to each invited House Member, officer, or employee, who will then forward it to the Committee together with a *Traveler Form* **at least 30 days before the start date of the trip**. The trip sponsor should *NOT* submit the form directly to the Committee. The Committee website ([ethics.house.gov](http://ethics.house.gov)) provides detailed instructions for filling out the form.

**NOTE: Willful or knowing misrepresentations on this form may be subject to criminal prosecution pursuant to 18 U.S.C. § 1001. Failure to comply with the Committee's Travel Regulations may also lead to the denial of permission to sponsor future trips.**

1. Sponsor who will be paying for the trip:
2.  I represent that the trip will not be financed, in whole or in part, by a registered federal lobbyist or foreign agent. *Signify that the statement is true by checking box.*
3. **Check only one.** I represent that:
  - a.  The primary trip sponsor has not accepted from any other source, funds intended directly or indirectly to finance any aspect of the trip: **OR**
  - b.  The trip is arranged without regard to congressional participation and the primary trip sponsor has accepted funds only from entities that will receive a tangible benefit in exchange for those funds: **OR**
  - c.  The primary trip sponsor has accepted funds from other source(s) intended directly or indirectly to finance all or part of this trip and has enclosed disclosure forms from each of those entities.  
If "c" is checked, list the names of the additional sponsors:
4. Provide names and titles of **ALL** House Members *and* employees you are inviting. **For each House invitee, provide an explanation of why the individual was invited** (include additional pages if necessary):
5. Yes  No  Is travel being offered to an accompanying family member of the House invitee(s)?
6. Date of departure: \_\_\_\_\_ Date of return: \_\_\_\_\_
7. a. City of departure: \_\_\_\_\_  
b. Destination(s): \_\_\_\_\_  
c. City of return: \_\_\_\_\_
8. **Check only one.** I represent that:
  - a.  The sponsor of the trip is an institution of higher education within the meaning of section 101 of the Higher Education Act of 1965: **OR**
  - b.  The sponsor of the trip does not retain or employ a registered federal lobbyist or foreign agent: **OR**
  - c.  The sponsor employs or retains a registered federal lobbyist or foreign agent, but the trip is for attendance at a one-day event *and* lobbyist / foreign agent involvement in planning, organizing, requesting, or arranging the trip was *de minimis* under the Committee's travel regulations.
9. **Check only one of the following:**
  - a.  I checked 8(a) or (b) above; **OR**
  - b.  I checked 8(c) above but am not offering any lodging; **OR**
  - c.  I checked 8(c) above and am offering lodging and meals for one night; **OR**
  - d.  I checked 8(c) above and am offering lodging and meals for two nights. If you checked this box, explain why the second night of lodging is warranted:





U.S. House of Representatives

# COMMITTEE ON ETHICS

10.  Attached is a detailed agenda of the activities House invitees will be participating in during the travel (i.e., an hourly description of planned activities for trip invitees). *Indicate agenda is attached by checking box.*
11. **Check only one of the following:**
- a.  I represent that a registered federal lobbyist or foreign agent will not accompany House Members or employees on any segment of the trip. *Signify that the statement is true by checking box; OR*
- b.  *Not Applicable.* Trip sponsor is a U.S. institution of higher education.
12. For **each** sponsor required to submit a sponsor form, describe the sponsor's interest in the subject matter of the trip **and** its role in organizing and/or conducting the trip:
13. **Answer parts a and b. Answer part c if necessary:**
- a. Mode of travel: Air  Rail  Bus  Car  Other  (specify: \_\_\_\_\_)
- b. Class of travel: Coach  Business  First  Charter  Other  (specify: \_\_\_\_\_)
- c. If travel will be first class, or by chartered or private aircraft, explain why such travel is warranted:
14.  I represent that the expenditures related to local area travel during the trip will be unrelated to personal or recreational activities of the invitee(s). *Signify that the statement is true by checking the box.*
15. **Check only one.** I represent that either:
- a.  The trip involves an event that is arranged or organized *without regard* to congressional participation and that meals provided to congressional participants are similar to those provided to or purchased by other event attendees; **OR**
- b.  The trip involves events that are arranged specifically *with regard* to congressional participation.  
If "b" is checked:
- 1) Detail the cost *per day* of meals (approximate cost may be provided):
- 2) Provide the reason for selecting the location of the event or trip:
16. Name, nightly cost, and reasons for selecting each hotel or other lodging facility:
- Hotel Name: \_\_\_\_\_ City: \_\_\_\_\_ Cost Per Night: \_\_\_\_\_
- Reason(s) for Selecting: \_\_\_\_\_
- Hotel Name: \_\_\_\_\_ City: \_\_\_\_\_ Cost Per Night: \_\_\_\_\_
- Reason(s) for Selecting: \_\_\_\_\_
- Hotel Name: \_\_\_\_\_ City: \_\_\_\_\_ Cost Per Night: \_\_\_\_\_
- Reason(s) for Selecting: \_\_\_\_\_
17.  I represent that all expenses connected to the trip will be for actual costs incurred and not a per diem or lump sum payment. *Signify that the statement is true by checking the box.*



U.S. House of Representatives

# COMMITTEE ON ETHICS

### 18. Total Expenses for each Participant:

<input type="checkbox"/> Actual Amounts <input type="checkbox"/> Good Faith Estimates	Total Transportation Expenses per Participant	Total Lodging Expenses per Participant	Total Meal Expenses per Participant
For each Member, Officer, or Employee			
For each Accompanying Family Member			

	Other Expenses (dollar amount per item)	Identify Specific Nature of "Other" Expenses (e.g., taxi, parking, registration fee, etc.)
For each Member, Officer, or Employee		
For each Accompanying Family Member		

**NOTE: Willful or knowing misrepresentations on this form may be subject to criminal prosecution pursuant to 18 U.S.C. § 1001.**

### 19. Check only one:

- a.  I certify that I am an officer of the organization listed below; **OR**
- b.  *Not Applicable*. Trip sponsor is an individual or a U.S. institution of higher education.

### 20. I certify by my signature that

- a. I read and understand the Committee's Travel Regulations;
- b. I am not a registered federal lobbyist or registered foreign agent; and
- c. The information on this form is true, complete, and correct to the best of my knowledge.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

Email: \_\_\_\_\_ Telephone: \_\_\_\_\_

## INSTRUCTIONS

Complete the *Primary Trip Sponsor Form* and submit the agenda, invitation list, any attachments, and any *Additional Trip Sponsor Forms* directly to the Travelers.

Written approval from the Committee on Ethics is required before traveling on this trip. The Committee on Ethics will notify the House invitees directly and will not notify the trip sponsors.

**Willful or knowing misrepresentation on this form may be subject to criminal prosecution under 18 U.S.C. § 1001. Signatures must comply with section 104(bb) of the Travel Regulations.**

**For questions, please contact the Committee on Ethics at:**

1015 Longworth House Office Building  
Washington, D.C. 20515

[ethicscommittee@mail.house.gov](mailto:ethicscommittee@mail.house.gov) | 202-225-7103  
More information and forms available at [ethics.house.gov](http://ethics.house.gov)

Michael Guest, Mississippi  
*Chairman*  
Susan Wild, Pennsylvania  
*Ranking Member*

David P. Joyce, Ohio  
John H. Rutherford, Florida  
Andrew R. Garbarino, New York  
Michelle Fischbach, Minnesota

Veronica Escobar, Texas  
Mark DeSaulnier, California  
Deborah K. Ross, North Carolina  
Glenn F. Ivey, Maryland



ONE HUNDRED EIGHTEENTH CONGRESS

**U.S. House of Representatives**

COMMITTEE ON ETHICS

Thomas A. Rust  
*Staff Director and Chief Counsel*

Kelle A. Strickland  
*Counsel to the Chairman*

David Arrojo  
*Counsel to the Ranking Member*

1015 Longworth House Office Building  
Washington, D.C. 20515-6328  
Telephone: (202) 225-7103  
Facsimile: (202) 225-7392

April 14, 2023

Mr. Nicholas Keddy  
Office of the Honorable Andrew R. Garbarino  
2344 Rayburn House Office Building  
Washington, DC 20515

Dear Mr. Keddy:

Pursuant to House Rule 25, clause 5(d)(2), the Committee on Ethics hereby approves your proposed trip to New York, New York, scheduled for April 24 to 25, 2023, sponsored by the Climate Solutions Foundation.

You must complete an Employee Post-Travel Disclosure Form (which your employing Member must also sign) and file it, together with a Sponsor Post-Travel Disclosure Form completed by the trip sponsor, with the Clerk of the House within 15 days after your return from travel. As part of that filing, you are also required to attach a copy of this letter and both the Traveler and Primary Trip Sponsor Forms (including attachments) you previously submitted to the Committee in seeking pre-approval for this trip. If you are required to file an annual Financial Disclosure Statement, you must also report all travel expenses totaling more than \$480 from a single source on the "Travel" schedule of your annual Financial Disclosure Statement covering this calendar year. Finally, Travel Regulation § 404(d) also requires you to keep a copy of all request forms and supporting information provided to the Committee for three subsequent Congresses from the date of travel.

If you have any further questions, please contact the Committee's Office of Advice and Education at extension 5-7103.

Sincerely,

Michael Guest  
Chairman

Susan Wild  
Ranking Member

MG/SW:kjf



**The Climate Solutions Foundation New York City Programming House  
Staff Delegation Schedule  
Monday, April 24 to Tuesday, April 25, 2023**

Question #4

Climate Solutions Foundation invited the following staff to participate given their interest and commitment to the long-term goals of climate change. The goal of this event is to provide attendees with information from scientists, scholars, researchers, economists, engineers, and Columbia University professors to further their understanding of climate change so they can make better informed legislative decisions. As a bipartisan organization, it is critical to our mission to bring a bipartisan group of congressional staff to participate in these learning opportunities to further their understanding of science and climate change. Programming at Columbia University’s Lamont-Doherty Earth Observatory will provide attendees with hands-on lab experiences in the core repository lab, rock mechanics lab, and tree-ring lab.

<b>First</b>	<b>Last</b>	<b>Title</b>	<b>Office of</b>
Amy	Aaronson-Levine	Legislative Assistant	Rep. Schakowsky
Ryan	Albanesi	Legislative Correspondent	Rep. Larson
Katherine	Altom	Legislative Assistant	Rep. Thompson
Jocelyne	Barajas	Legislative Assistant	Rep. Gonzales
Grace	Bellone	Legislative Assistant	Rep. Curtis
Daniel	Black	Senior Legislative Assistant	Rep. Radewagen
Leah Grace	Blackwell	Senior Policy Advisor	Rep. Wilson
Kenneth	Brooke	Legislative Director	Rep. Amodei
Tommy	Brown	Legislative Director	Rep. Schneider
Dan	Butler	Legislative Assistant	Rep. Gallagher
Ally	Castaneda	Legislative Correspondent	Rep. Vargas
Paige	Clarke	Legislative Assistant	Rep. Plaskett
Matthew	Clarkin	Legislative Assistant	Rep. Fitzpatrick
Rachel	Cohen	Legislative Director	Rep. Cartwright
Jose	Diaz-Marrero	Legislative Assistant	Rep. Gonzalez-Colon
Tom	Erb	Legislative Assistant	Rep. Peters
Kevin	Gannon	Legislative Assistant	Rep. Garbarino
Catherine	Goggins	Senior Legislative Assistant	Rep. Scott
Christopher	Hall	Legislative Director	Rep. Kean
Amanda	Hall	Legislative Director	Rep. Valadao
Rebecca	Hattar	Senior Legislative Assistant	Rep. Miller-Meeks
Sean	Higgins	Legislative Assistant	Rep. Himes
Kaila	Hood	Senior Legislative Assistant	Rep. Blumenauer



Leighton	Huch	Policy Director	New Democrat Coalition
Liz	Jacobson	Legislative Assistant & Correspondent	Rep. Panetta
Courtney	Kaufman	Legislative Assistant	Rep. Lawler
Niko	Keddy	Legislative Assistant	Rep. Garbarino
Bridget	Lawson	Legislative Assistant	Rep. Holmes Norton
Rumer	LeGendre	Senior Legislative Assistant	Rep. Velazquez
Kelvin	Lum	Legislative Director	Rep. Bera
Morgan	McCue	Legislative Assistant	Rep. Bonamici
Margaret	McInnis	DC Staff Director & Appropriations Lead	Rep. Kaptur
Ben	Monticello	Legislative Assistant	Rep. Bergman
Johanna	Montiel	Legislative Director	Rep. Carbajal
Elaina	Murphy	Senior Legislative Assistant	Rep. Guthrie
Emily	Naden	Legislative Assistant	Rep. Larson
Jackson	Olesky	Legislative Assistant	Rep. Gottheimer
Aliza	Oppenheim	Legislative Assistant	Rep. Cartwright
Liz	Payne	Legislative Director	Rep. McMorris Rodgers
Stephanie	Pendarvis	Policy Advisor	Rep. Wilson
Matthew	Perricone	Senior Legislative Assistant	Rep. Meuser
Rick	Podliska	Senior Policy Advisor	Rep. Posey
Hunter	Ridgway	Senior Policy Advisor	Rep. Cartwright
Joey	Rodriguez	Legislative Director	Rep. Moulton
Luke	Sandlin	Legislative Assistant	Rep. Williams
Gabbi	Sheitelman	Legislative Assistant	Rep. Schweikert
David	Silberberg	Legislative Director	Rep. Chu
Jaydn	Smith	Legislative Assistant	Rep. Bacon
Elise	Sugarman	Legislative Director	Rep. Aguilar
Sarah	Talmage	Legislative Director	Rep. D'Esposito
Faith	Tuttle	Legislative Assistant	Rep. Stefanik
Elina	Vanuska	Policy Fellow	New Democrat Coalition
Alec	Zender	Legislative Director	Rep. Bergman



**The Climate Solutions Foundation New York City Programming House Staff  
Delegation Schedule  
Monday, April 24 to Tuesday, April 25, 2023**

**Monday, April 24, 2023**

- 9:00 AM** Depart Washington Union Station for New York Penn Station  
Acela #2158
- 11:51 AM** Delegation Arrives in New York City  
New York Penn Station
- 12:00 PM – 12:45 PM** Travel from Penn Station to Columbia University  
4 miles, 45-minute estimated drive
- 12:45 PM – 1:15 PM** Lunch Discussion & Overview of Schedule with Caitlin Norfleet  
Columbia Climate School, 1255 Amsterdam Avenue, New York

Caitlin Norfleet is Director of Special Projects at the Global Energy Policy at Columbia University, SIPA. In this capacity, Caitlin is the primary owner of a variety of operations support tasks such as project management, external communications, event planning and data analysis; and will serve as the Center's principal for specific initiatives to advance the mission of the Center. Her experience includes more than ten years in academia and healthcare, where she has been responsible for strategic events management, events marketing and design, and community and professional education. Prior to joining CGEP, she served as the Assistant Director of Special Events and Programs for Columbia College and the Fu Foundation School of Engineering and Applied Science.

Caitlin will introduce Columbia University's climate change efforts, the Columbia Climate School, and what programming to expect over the next 24 hours.

- 1:15 PM – 2:00 PM** Travel to Lamont-Doherty Earth Observatory  
15.3 miles, 45-minute estimated drive

Senior Faculty from Columbia University will share with the staff delegation the details of the day with a planned visit to Lamont-Doherty Earth Observatory, Palisades, NY. The researchers and scholars leading the tours will educate staff on their respective scientific subjects, which will enhance the attendees' understanding of the relationship between historical earth data and climate change.

The Lamont–Doherty Earth Observatory is the scientific research center of the Columbia Climate School, and a unit of The Earth Institute at Columbia University. It focuses on climate and earth sciences and is located on a 189-acre campus in Palisades, New York, 18 miles north of Manhattan on the Hudson River. Lamont-Doherty is a unique research enterprise, bringing together courageous, entrepreneurial thinkers dedicated to bold exploration and discoveries that illuminate their understanding of Earth's processes and the myriad ways our planet is changing as our climate warms. Since its founding in 1949, Lamont has been a leader in the Earth sciences, and is now the scientific research heart of the Columbia Climate School founded in 2020. They are a dynamic community of 500 scientists, students, and staff, with nearly 300 PhD-level researchers, and 80-90 graduate students involved in

research. Their scientists study the planet from its deepest interior to the outer reaches of its atmosphere, on every continent and in every ocean, providing a rational basis for the difficult choices facing humanity.

**2:00 PM – 2:45 PM**                      **Core Repository Lab Tour and Discussion**  
Lamont-Doherty Geoscience Building

**Nichole Anest—Curator of Lamont-Doherty Core Repository**

Nichole will lead the tour of the core repository lab. She has worked for the Earth Observatory for over twenty years, first as a Senior Research Staff Assistant and then as a Curator for almost ten years. Nichole earned her bachelor's degree in environmental science/geology from Rutgers University.

**2:45 PM – 3:30 PM**                      **Rock Mechanics Lab Tour and Discussion**  
Lamont-Doherty Lab Building

**Christine McCarthy—Lamont Associate Research Professor, Seismology, Geology and Tectonophysics**

Christine will lead the tour of the rock mechanics lab. She has worked at the Earth Observatory for over seven years as a research professor. Christine was a Postdoctoral Fellow at the University of Tokyo after she obtained her Doctorate from Brown University. Christine holds a bachelor's degree in communications from California State University, Long Beach, a bachelor's degree in geophysics from the University of Oregon, and a Ph.D. in geophysics from Brown University.

Christine's research explores the way that micro-features control macro-behavior. Defects in the structure of crystalline materials, such as impurities, dislocations, grain boundaries, and partial melt, all affect the way that seismic waves are damped in the mantle, for instance, or how tidal energy is turned into heat within an icy moon's outer shell. In order to better interpret seismic data and provide better constraints for geophysical modeling, she designs experiments to isolate and scrutinize the underlying microphysics of defect-controlled processes such that resultant laboratory data can be scaled up to macroscopic settings. With material properties being the constant element, her work spans a variety of time and length scales and geologic contexts: from the deep earth, to the cryosphere, to the outer solar system.

**3:30 PM – 4:15 PM**                      **Tree-Ring Lab Tour and Discussion**  
Tree-Ring Building

**Brendan Buckley—Lamont Research Professor, Biology and Paleo Environment Division**

Brendan will lead the tour of the tree-rings lab. He holds the position of Lamont Research Professor, and has been a long-time member of the Tree Ring Lab at the Lamont-Doherty Earth Observatory of Columbia University (LDEO). While he has worked in locations around the globe, Brendan has been one of the pioneers of tropical dendroclimatology, having produced the longest and best replicated records of absolutely dated tree ring sequences from Southeast Asia. Among his most important discoveries were the identification of two key periods of drought that coincided with the two most tumultuous periods of the past millennium over Southeast Asia – the Angkor droughts of the late 14th/early 15th century, and the Strange Parallels Drought of late 18th century, respectively. He continues this important work by using new methods to develop discrete seasonal reconstructions of regional hydroclimate, including measures of the strength of summer and winter monsoons, as well as the “shoulder” seasons that lead into and out of them, over the past millennium.

Brendan is a proponent of interdisciplinary research, working with historians, archaeologists, geochemists and atmospheric scientists. Along with his research in the Asian tropics, he has a long history of research in the North American boreal forests, having conducted some of the first dendroclimatic forays in northern Labrador, Canada, and North America's northernmost trees in the Firth River of Alaska. He was also instrumental in developing the longest temperature reconstructions from the Southern Hemisphere as part of his PhD research in Tasmania and New Zealand.

Brendan received his undergraduate degree in Physical Geography from Plymouth State College in New Hampshire, a Masters degree from Arizona State University in Tempe, and his PhD from the Institute of Antarctic and Southern Ocean Studies (IASOS) at the University of Tasmania, Australia. He held Post-doctoral positions at the University of Auckland, New Zealand and at the Lamont-Doherty Earth Observatory of Columbia University, before commencing his current LDEO position in 1999.

**Edward Cook—Ewing Lamont Research Professor, Biology and Paleo Environment Division**

Edward will lead the tour of the tree-rings lab. He is a climate scientist in drought, hydroclimate, and interactions between the land surface and climate system.

**Nicole Davi—Adjunct Senior Research Scientist, Biology and Paleo Environment Division**

Nicole will lead the tour of the tree-rings lab. She is an Adjunct Senior Research Scientist at the Tree-Ring Laboratory at Lamont-Doherty Earth Observatory and a professor and chair of the Department of Environmental Science at William Paterson University. Nicole's research focuses on developing and interpreting high-resolution paleoclimatic records in order to further our understanding of climate change over the past 2000 years. She has authored/co-authored dozens of peer-reviewed articles on paleoclimate and has received awards from National Science Foundation and other funding agencies for her research. Nicole also has several projects that focus on improving science literacy for undergraduate and K-12 students, and also for public audiences. Nicole often collaborates with artists to explore new and compelling ways to communicate the excitement of scientific explorations with diverse audiences.

**4:15 PM – 5:00 PM**

**Closing Meeting with Dean Maureen Raymo**  
Directorate Conference Room, Monell Building

In this meeting, Maureen will lead the post-lab tour discussion and answer questions attendees have about what they have learned.

**Maureen Raymo, Co-Founding Dean of the Columbia Climate School**

Maureen E. Raymo is Co-Founding Dean of the Columbia Climate School, Director of the Lamont-Doherty Earth Observatory, G. Unger Vetlesen Professor of Earth & Environmental Sciences, and Director of the Lamont-Doherty Core Repository. She has degrees from Brown and Columbia Universities and studies the history and causes of climate change in Earth's past. She is best known for the Uplift-Weathering Hypothesis that ties global cooling and the onset of the ice ages to a drawdown in atmospheric CO<sub>2</sub> caused by the uplift of the Himalayas and Tibetan Plateau.

In addition to publishing fundamental work on the stratigraphy and chronology of the recent geologic epochs, Maureen has also proposed hypotheses explaining the patterns of ice sheet variability observed over the last few million years and developed new ways of studying past sea level change. In 2014 she was the first woman to be awarded the Wollaston Medal by the Geological Society of London, their most prestigious award given out annually since 1831.

Maureen's research has always focused on documenting how and discovering why the Earth's oceans, biogeochemical cycles, and climate have changed in the past, knowledge that is integrated with numerical models of past and future climate. Through detailed analysis of deep sea sediment cores, she has generated records of geochemical, paleontological, and paleoclimatic change that have advanced the study of Earth's climate on tectonic, orbital, and millennial time scales.

For much of her career she has also worked to improve the timescales and stratigraphy that provide the foundation for the study of Earth's history. Most recently her research group has focused on the reconstruction of sea level and ice volume during past warm climate intervals with the goal of improving predictions of future sea level rise in response to global warming.

- 5:00 PM – 5:45 PM**                    **Travel from Lamont-Doherty Earth Observatory to Aloft Harlem**  
15.3 miles, 45-minute estimated drive
- 5:45 PM**                                **Check-In to Aloft Harlem**  
2296 Frederick Douglass Blvd, New York, NY
- 6:30 PM – 7:15 PM**                    **Travel from the Aloft Harlem to Hudson Yards**  
6.2 miles, 45-minute estimated drive
- 7:15 PM – 9:00 PM**                    **Dinner and Discussion: Technology’s Role in Climate Change**  
SAP America Inc., 10 Hudson Yards

In keeping with our mission of bringing together ideologically diverse Members of Congress and congressional staff, global leaders, and corporate and trade executives to discuss climate science, economics, and policy, we will host a bipartisan dinner with congressional staff, corporate executives, and climate scientists. This dinner will provide a collaborative environment to discuss a bipartisan path forward on global and domestic climate policy. Daniel Schmid, Chief Sustainability Officer of SAP America, will lead a discussion on technology’s role in climate change, in conversation with yet to be determined executives, scientists, and researchers in the finance, technology, commerce, and utilities industries. This dinner will give congressional staff the opportunity to discuss technology’s positive and negative impact on climate change and hear from highly credible and knowledgeable professionals.

This dinner will be paid for by the Climate Solutions Foundation. SAP is a donor to the Climate Solutions Foundation (CSF); however, they are not sponsoring this trip. Dinner attendees may be part of organizations that employ lobbyists, as many will be part of large Fortune 100 companies that have thousands of global employees. The Climate Solutions Foundation will invite all dinner attendees. CSF is working with Caitlin Norfleet and Columbia University to decide which staff and scholars will participate in the dinner.

- 9:00 PM – 9:30 PM**                    **Travel from Hudson Yards to Aloft Harlem**  
6.2 miles, 30-minute estimated drive
- RON**                                        **Aloft Harlem**  
2296 Frederick Douglass Blvd, New York

**Tuesday, April 25, 2023**

- 8:15 AM – 8:30 AM**                    **Travel from Aloft Harlem to Columbia University**  
.06 miles, 5-minute drive
- 8:30 AM – 9:00 AM**                    **Breakfast Discussion: General Climate Topics with Columbia University Faculty**  
Columbia Climate School, 1255 Amsterdam Avenue, New York

The delegation will converse over breakfast with Columbia University faculty about general climate topics. This breakfast provides the delegation with a chance to revisit topics previously discussed. Approximately five to seven members of Columbia University faculty will join us.

- 9:00 AM – 10:00 AM**                    **Session 1: Russia-Ukraine war and Implications for US Energy Policy and the Global Energy Transition**  
Columbia Climate School, 1255 Amsterdam Avenue, New York



The first discussion session will be about the Russia-Ukraine war and implications for US energy policy and the global energy transition. Topics covered will include oil and gas price outlook, implications for the Organization of the Petroleum Exporting Countries (OPEC), and European Union diversification efforts. This session is relevant to legislation being discussed in the United States House and Senate, as well as the general impact on everyday life. At least three faculty members and researchers will participate in the discussion.

**10:00 AM – 11:00 AM**                    **Session 2: The Future of the US Power Grid**  
Columbia Climate School, 1255 Amsterdam Avenue, New York

The second discussion session will be about the future of the US power grid. Subtopics will include integrating renewables, expanding capacity, assuring resilient and secure power, and smart design and permitting. This session is relevant to legislation being discussed in the United States House and Senate. At least three faculty members and researchers will participate in this discussion.

**11:00 AM – 12:00 PM**                    **Session 3: Supply Chains & Scaling the Clean Energy Transition**  
Columbia Climate School, 1255 Amsterdam Avenue, New York

The third and final discussion session will be about supply chains and scaling the clean energy transition. Specifically, discussion will involve critical minerals, non-technical barriers to investment, sustainable financing, and the energy/trade nexus. This discussion is relevant to the delegation’s interests, as the House and Senate staff attending all manage legislative portfolios focused on climate change and the environment. At least three faculty members and researchers will participate in the discussion.

**12:00 PM – 12:45 PM**                    **Travel from Columbia University to New York Penn Station**  
4 miles, 45-minute estimated drive

**1:00 PM**                                        **Lunch at Moynihan Food Hall**  
New York Penn Station

**2:00 PM**                                        **Depart New York Penn Station for Washington Union Station**  
Acela #2121

**4:53 PM**                                        **Arrive at Washington Union Station**



**Climate  
Solutions**  
FOUNDATION

**Climate Solutions Foundation NYC Programming**  
New York, New York | April 24, 2023 to April 25, 2023

## CLIMATE SOLUTIONS FOUNDATION ITINERARY

### MONDAY, APRIL 24

- 8:30 AM**                                    **Meet at Blue Bottle at Union Station Main Hall**
- 9:00 AM**                                    **Depart from Union Station via Acela Train #2158**
- 11:51 AM**                                   **Arrive at Penn Station**
- 12:00 PM**                                   **Travel from Penn Station to Columbia University**  
4 miles, 45-minute estimated drive
- 12:45 PM**                                   **Lunch Discussion & Overview of Schedule with Caitlin Norfleet**  
Columbia Climate School, 1255 Amsterdam Avenue, New York

Caitlin Norfleet is Director of Special Projects at the Global Energy Policy at Columbia University, SIPA. In this capacity, Caitlin is the primary owner of a variety of operations support tasks such as project management, external communications, event planning and data analysis; and will serve as the Center's principal for specific initiatives to advance the mission of the Center. Her experience includes more than ten years in academia and healthcare, where she has been responsible for strategic events management, events marketing and design, and community and professional education. Prior to joining CGEP, she served as the Assistant Director of Special Events and Programs for Columbia College and the Fu Foundation School of Engineering and Applied Science.

Caitlin will introduce Columbia University's climate change efforts, the Columbia Climate School, and what programming to expect over the next 24 hours.

- 1:15 PM**                                    **Travel to Lamont-Doherty Earth Observatory**  
15.3 miles, 45-minute estimated drive

Senior Faculty from Columbia University will share with the staff delegation the details of the day with a planned visit to Lamont-Doherty Earth Observatory, Palisades, NY. The researchers and scholars leading the tours will educate staff on their respective scientific subjects, which will enhance the attendees' understanding of the relationship between historical earth data and climate change.

The Lamont–Doherty Earth Observatory is the scientific research center of the Columbia Climate School, and a unit of The Earth Institute at Columbia University. It focuses on climate and earth sciences and is located on a 189-acre campus in Palisades, New York, 18 miles north of Manhattan on the Hudson River. Lamont-Doherty is a unique research enterprise, bringing together courageous, entrepreneurial thinkers dedicated to bold exploration and discoveries that illuminate their understanding of Earth's processes and the myriad ways our planet is changing as our climate warms. Since its founding in 1949, Lamont has been a leader in the Earth sciences, and is now the scientific research heart of the Columbia Climate School founded in 2020. They are a dynamic community of 500 scientists, students, and staff, with nearly 300 PhD-level researchers, and 80-90 graduate students involved in research. Their scientists study the planet from its deepest interior to the outer reaches of its atmosphere, on every continent and in every ocean, providing a rational basis for the difficult choices facing humanity.

- 2:00 PM**                                    **Lab Tours and Discussions**

We will meet with various scientists and leading researchers who will give a tour of their laboratories and discuss their research. Lab visits will include the core repository lab, marine biology lab, tree-ring lab, and rock mechanics lab.

**4:15 PM**

**Closing Meeting with Dean Maureen Raymo**

Directorate Conference Room, Monell Building

In this meeting, Maureen will lead the post-lab tour discussion and answer questions attendees have about what they have learned.

Maureen E. Raymo is Co-Founding Dean of the Columbia Climate School, Director of the Lamont-Doherty Earth Observatory, G. Unger Vetlesen Professor of Earth & Environmental Sciences, and Director of the Lamont-Doherty Core Repository. She has degrees from Brown and Columbia Universities and studies the history and causes of climate change in Earth's past. She is best known for the Uplift-Weathering Hypothesis that ties global cooling and the onset of the ice ages to a drawdown in atmospheric CO<sub>2</sub> caused by the uplift of the Himalayas and Tibetan Plateau. In 2014 she was the first woman to be awarded the Wollaston Medal by the Geological Society of London, their most prestigious award given out annually since 1831.

Maureen's research has always focused on documenting how and discovering why the Earth's oceans, biogeochemical cycles, and climate have changed in the past, knowledge that is integrated with numerical models of past and future climate. Through detailed analysis of deep sea sediment cores, she has generated records of geochemical, paleontological, and paleoclimatic change that have advanced the study of Earth's climate on tectonic, orbital, and millennial time scales.

For much of her career she has also worked to improve the timescales and stratigraphy that provide the foundation for the study of Earth's history. Most recently her research group has focused on the reconstruction of sea level and ice volume during past warm climate intervals with the goal of improving predictions of future sea level rise in response to global warming.

**5:00 PM**

**Travel from Lamont-Doherty Earth Observatory to Aloft Harlem**

15.3 miles, 45-minute estimated drive

**5:45 PM**

**Check-In to Aloft Harlem**

2296 Frederick Douglass Blvd, New York, NY

**6:45 PM**

**Travel from the Aloft Harlem to Lido Harlem**

.3 miles, 7-minute walk

**7:00 PM**

**Dinner and Discussion: Climate Change from the Corporate Perspective**

We will be joined at dinner by Nat Keohane, President of the Center for Climate and Energy Solutions (C2ES). Nat will lead a discussion on climate change from the corporate perspective, and ways to shape practical bipartisan policy.

**Dr. Keohane** is an economist with more than 20 years of energy and environmental policy experience in academia, government, and the non-profit sector, most recently as Senior Vice President for Climate with the Environmental Defense Fund (EDF), where he led all of EDF's climate work in the United States and globally. In 2011-2012, Nat served in the White House as Special Assistant to the President for Energy and Environment in the National Economic Council and Domestic Policy Council, helping to shape administration policy on energy and environmental issues. He previously directed economic policy and analysis at EDF, working to enact comprehensive cap-and-trade legislation in Congress. From 2001-2008, Dr. Keohane was an Assistant and then Associate Professor of Economics at the Yale School of Management. He received a Ph.D. from Harvard University and a B.A. from Yale College.

**RON**

**Aloft Harlem**

## TUESDAY, APRIL 25

**8:00 AM**                      **Hotel Check Out, Meet in Lobby**

**8:15 AM**                      **Depart Hotel for Columbia University**  
.4 miles, 10-minute walk—Bus will be at hotel to collect bags and bring non-walkers

**8:30 AM**                      **Breakfast & Opening Discussion at Columbia University**  
1255 Amsterdam Ave, New York, NY

We will discuss the morning's programming and who we will be meeting with.

**9:00 AM**                      **Session 1: Meeting with Eddie Fishman, Senior Research Scholar, & Dr. Karen Young, Senior Research Scholar**

This discussion will focus on foreign policy and climate change. They will join us virtually.

**Eddie Fishman** is a foreign-policy expert, business operator, and investor with experience spanning government service, technology startups, media, and think tanks. From 2015 to 2017, Eddie served at the U.S. Department of State as a member of the Secretary's Policy Planning Staff. In that role, Mr. Fishman advised Secretary of State John Kerry on Europe and Eurasia and led the staff's work on economic sanctions, long-range strategic planning, and international order and norms. He also managed the Secretary of State's Foreign Affairs Policy Board and represented the State Department at the National Security Council-led Strategic Planning Small Group.

Before joining the Policy Planning Staff, Eddie was the Russia and Europe Lead in the State Department's Office of Economic Sanctions Policy and Implementation, where he played a central role in designing and negotiating international sanctions in response to Russia's aggression in Ukraine. Earlier, Eddie served as a member of the Iran sanctions team, where he developed policies to strengthen sanctions against Iran and maintain pressure during the international nuclear negotiations. Eddie has also served at the Pentagon as special assistant to the Chairman of the Joint Chiefs of Staff and at the Treasury Department as special assistant to the Under Secretary for Terrorism and Financial Intelligence. In the private sector, Mr. Fishman has worked in operating roles at several high-growth technology companies, including Via, Zoox, and IronNet Cybersecurity. Mr. Fishman began his career as an editor at Foreign Affairs. His writings have appeared in The New York Times, The Wall Street Journal, The Washington Post, Foreign Affairs, Foreign Policy, Politico Magazine, Boston Review, and other outlets, and he appears regularly as an expert commentator on leading television and radio programs.

**Dr. Karen Young** is a political economist focusing on the Gulf, the broader MENA region and the intersection of energy, finance and security. She was a Senior Fellow and Founding Director of the Program on Economics and Energy at the Middle East Institute, and currently serves as chair of the program's advisory council. Karen was a Resident Scholar at the American Enterprise Institute, and has been a professorial lecturer at George Washington University, teaching courses on the international relations of the Middle East. She regularly teaches at the US Dept of State Foreign Service Institute. Earlier, she was Senior Resident Scholar at the Arab Gulf States Institute and a Research Fellow at the London School of Economics and Political Science, Middle East Centre.

**9:40 AM**                      **Session 2: Meeting with Anne-Sophie Corbeau, Global Research Scholar, & Ira Joseph, Adjunct Senior Research Scholar**

This conversation will focus on energy.

**Anne-Sophie Corbeau** is a Global Research Scholar at the Center on Global Energy Policy at Columbia University's School of International and Public Affairs. Her research focuses on hydrogen and natural gas. Anne-Sophie has over 20 years of experience in the energy industry and is a recognized expert on natural gas. She is the





corporate governance, ethics, and social responsibility, including the publication of the company's first-ever ESG report.

Before her time at Citgo, Palacios was a Senior Managing Director and member of the management committee of Medley Global Advisors, a macro policy research firm. She headed Medley's Latin America's economic and energy practice and later the firm's emerging market research efforts. She previously worked at Barclays Capital as a Director in the emerging markets research department in New York, and as an economist in the risk department at Société Générale in Paris. She also worked as a senior economist at the Japan Bank for International Cooperation and was a consultant in the Office of the Chief Economist for Latin America at the World Bank in Washington, D.C.

<b>12:00 PM – 12:45 PM</b>	<b>Travel from Columbia University to New York Penn Station</b> 4 miles, 45-minute estimated drive
<b>1:00 PM</b>	<b>Lunch at Moynihan Food Hall</b> New York Penn Station
<b>2:00 PM</b>	<b>Depart New York Penn Station for Washington Union Station</b> Acela #2121
<b>4:53 PM</b>	<b>Arrive at Washington Union Station</b>