

Date/Time Stamp:

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 232 Hart Building.**

In compliance with Rule 35.2(a) and (c), I make the following disclosures with respect to travel expenses that have been or will be reimbursed/paid for me. I also certify that I have attached:

- The **original** *Employee Pre-Travel Authorization* (Form RE-1), **AND**
- A **copy** of the *Private Sponsor Travel Certification Form* with all attachments (itinerary, invitee list, etc.)

Private Sponsor(s) (list all): Atlantic Council

Travel date(s): 10/01/2022 - 10/008/2022

Name of accompanying family member (if any): N/A

Relationship to Traveler: Spouse Child

IF THE COST OF LODGING **DID NOT INCREASE** DUE TO THE ACCOMPANYING SPOUSE OR DEPENDENT CHILD, ONLY INCLUDE LODGING COSTS IN EMPLOYEE EXPENSES. (Attach additional pages if necessary.)

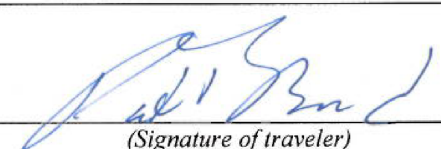
Expenses for Employee:

	Transportation Expenses	Lodging Expenses	Meal Expenses	Other Expenses (Amount & Description)
<input type="checkbox"/> Good Faith Estimate	\$1,420.04	\$1,562.08	\$600.76	\$21.78 (COVID-19 PCR Tests)
<input checked="" type="checkbox"/> Actual Amount				

Expenses for Accompanying Spouse or Dependent Child (if applicable):

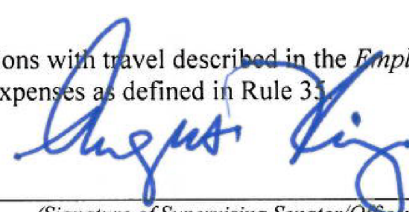
	Transportation Expenses	Lodging Expenses	Meal Expenses	Other Expenses (Amount & Description)
<input type="checkbox"/> Good Faith Estimate	N/A	N/A	N/A	N/A
<input type="checkbox"/> Actual Amount				

Provide a description of all meetings and events attended. See Senate Rule 35.2(c)(6). (Attach additional pages if necessary.): Please see attached description.

10/24/22 (Date) Patrick Bond (Printed name of traveler)  (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 35.2(c)(6).

10/24/22 (Date)  (Signature of Supervising Senator/Officer)

Date/Time Stamp:

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. This form **must** be typed and is available as a fillable PDF on the Committee's website at ethics.senate.gov. Retain a copy of your entire pre-travel submission for your required post-travel disclosure.

Name of Traveler: Patrick Bond

Employing Office/Committee: Senator Angus S. King Jr.

Private Sponsor(s) (list all): Atlantic Council

Travel date(s): October 1-8, 2022

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

Destination(s): Abu Dhabi, United Arab Emirates

Explain how this trip is specifically connected to the traveler's official or representational duties:

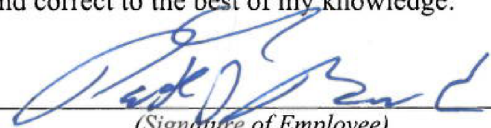
As Sen. King's Senior Policy Advisor for energy and environmental issues this trip will offer an opportunity to learn about clean and advanced energy projects in the United Arab Emirates.

Name of accompanying family member (if any): _____

Relationship to Employee: Spouse Child

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

9/21/22
(Date)


(Signature of Employee)

TO BE COMPLETED BY SUPERVISING SENATOR/OFFICER (President of the Senate, Secretary of the Senate, Sergeant at Arms, Secretary for the Majority, Secretary for the Minority, and Chaplain):

Sen. Angus S. King Jr.


Patrick T. Bond

I, _____ hereby authorize _____
(Print Senator's/Officer's Name) (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)

9/22/22
(Date)


(Signature of Supervising Senator/Officer)

PRIVATE SPONSOR TRAVEL CERTIFICATION FORM

This form must be completed by any private entity offering to provide travel or reimbursement for travel to Senate Members, officers, or employees (Senate Rule 35, clause 2). Each sponsor of a fact-finding trip must sign the completed form. The trip sponsor(s) must provide a copy of the completed form to each invited Senate traveler, who will then forward it to the Ethics Committee with any other required materials. The trip sponsor(s) should **NOT** submit the form directly to the Ethics Committee. Please consult the accompanying instructions for more detailed definitions and other key information.

The Senate Member, officer, or employee **MUST** also provide a copy of this form, along with the appropriate travel authorization and reimbursement form, to the Office of Public Records (OPR), Room 232 of the Hart Building, within thirty (30) days after the travel is completed.

1. Sponsor(s) of the trip (please list all sponsors): Atlantic Council

2. Description of the trip: Site visits and briefings on select clean energy projects with key United Arab Emirates government and private sector individuals involved in their 2050 energy strategy.

3. Dates of travel: 10/01/2022 - 10/08/2022

4. Place of travel: Abu Dhabi, United Arab Emirates

5. Name and title of Senate invitees: Senior Congressional Senate staff - please see list attached.

6. I *certify* that the trip fits one of the following categories:
 - (A) The sponsor(s) are not registered lobbyists or agents of a foreign principal **and** do not retain or employ registered lobbyists or agents of a foreign principal **and** no lobbyist or agents of a foreign principal will accompany the Member, officer, or employee *at any point* throughout the trip.
 - OR-
 - (B) The sponsor or sponsors are not registered lobbyists or agents of a foreign principal, but retain or employ one or more registered lobbyists or agents of a foreign principal and the trip meets the requirements of Senate Rule 35.2(a)(2)(A)(i) or (ii) (*see question 9*).

7. I *certify* that the trip will not be financed in any part by a registered lobbyist or agent of a foreign principal.
 - AND-
 - I *certify* that the sponsor or sponsors will not accept funds or in-kind contributions 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.

8. I *certify* that:
 - The trip will not in any part be planned, organized, requested, or arranged by a registered lobbyist or agent of a foreign principal except for *de minimis* lobbyist involvement.
 - AND-
 - The traveler will not be accompanied on the trip by a registered lobbyist or agent of a foreign principal except as provided for by Committee regulations relating to lobbyist accompaniment (*see question 9*).

9. **USE ONLY IF YOU CHECKED QUESTION 6(B)**

I *certify* that if the sponsor or sponsors retain or employ one or more registered lobbyists or agents of a foreign principal, one of the following scenarios applies:

(A) The trip is for attendance or participation in 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.

—OR—

(B) The trip is for attendance or participation in 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 (*see questions 6 and 10*).

—OR—

(C) The trip is being sponsored only by an organization or organizations designated under § 501(c)(3) of the Internal Revenue Code of 1986 and no registered lobbyists or agents of a foreign principal will accompany the Member, officer, or employee *at any point* throughout the trip.

10. **USE ONLY IF YOU CHECKED QUESTION 9(B)**

If the trip includes two overnight stays, please explain why the second night is practically required for Senate invitees to participate in the travel:

11. An itinerary for the trip is attached to this form. I *certify* that the attached itinerary is a detailed (hour-by-hour), complete, and final itinerary for the trip.

12. Briefly describe the role of each sponsor in organizing and conducting the trip:

The Atlantic Council is the sole sponsor and is organizing, conducting, and funding all aspects
of the trip. The Global Energy Center, as a program within the Atlantic Council, is leading the planning.

13. Briefly describe the stated mission of each sponsor and how the purpose of the trip relates to that mission:

The Atlantic Council promotes leadership and engagement in international affairs. The Atlantic Council's
Global Energy Center promotes energy security by working alongside government, industry, civil society,
and public stakeholders to devise pragmatic solutions to the changing global energy landscape.

14. Briefly describe each sponsor's prior history of sponsoring congressional trips:

The Atlantic Council Global Energy Center has sponsored congressional staff trips to the United Arab
Emirates in 2018 and 2019.

15. Briefly describe the educational activities performed by each sponsor (other than sponsoring congressional trips):

The Atlantic Council regularly hosts events for attendance by the general public and publishes reports that are freely available to the public. The Atlantic Council's Global Energy Center hosts events for the general public and published reports on a wide variety of energy issues.

16. Total Expenses for Each Participant:

	Transportation Expenses	Lodging Expenses	Meal Expenses	Other Expenses
<input checked="" type="checkbox"/> Good Faith estimate <input type="checkbox"/> Actual Amounts	\$1,700	\$1,562.08	\$966	N/A

17. State whether a) the trip involves an event that is arranged or organized *without regard* to congressional participation or b) the trip involves an event that is arranged or organized *specifically with regard* to congressional participation:

This trip is organized specifically with regard to congressional staff participation.

18. Reason for selecting the location of the event or trip

The UAE is uniquely implementing an aggressive 2050 clean energy plan to reduce its carbon footprint. Government officials and private sector executives involved in this effort are located in the UAE.

19. Name and location of hotel or other lodging facility:

The St. Regis Abu Dhabi Hotel

Nation Tower, Corniche, P.O. Box 60476, Abu Dhabi, United Arab Emirates

20. Reason(s) for selecting hotel or other lodging facility:

This hotel is centrally located and in close proximity to the site visit and meeting locations.

21. Describe how the daily expenses for lodging, meals, and other expenses provided to trip participants compares to the maximum per diem rates for official Federal Government travel:

The lodging rates are below the maximum per diem rate.

The meal rates are below or equal to the maximum per diem rate.

22. Describe the type and class of transportation being provided. Indicate whether coach, business-class or first class transportation will be provided. If first-class fare is being provided, please explain why first-class travel is necessary:

Roundtrip coach airfare and ground transportation in the UAE on coach bus will be provided.

23. I represent that the travel expenses that will be paid for or reimbursed to Senate invitees do not include expenditures for recreational activities, alcohol, or entertainment (other than entertainment provided to all attendees as an integral part of the event, as permissible under Senate Rule 35).

24. List any entertainment that will be provided to, paid for, or reimbursed to Senate invitees and explain why the entertainment is an integral part of the event:

N/A

25. I hereby *certify* that the information contained herein is true, complete and correct. (For trips involving more than one sponsor, you *must* include a completed signature page for each additional sponsor):

Signature of Travel Sponsor: Julie Varghese

Name and Title: Julie Varghese, Chief Operating Officer

Name of Organization: Atlantic Council

Address: 1030 15th Street NW, 12th Floor, Washington, DC 20005

Telephone Number: 202-213-8200

Fax Number: 202-778-4952

E-mail Address: jvarghese@atlanticcouncil.org

**Description of all Meeting and Events
Atlantic Council UAE Staff Del 2022**

**Welcome Dinner and Briefing: State of the United Arab Emirates w/ Mr. Dave Scott,
Executive Director of Economic Affairs, Executive Affairs Authority, Abu Dhabi**

- Staff received an overview of the United Arab Emirates, serving to help familiarize them with relevant information prior to subsequent meetings.

**Briefing from UAE Ministry of Energy & Infrastructure w/ H.E. Suhail Al Mazrouei,
Minister of Energy & Infrastructure, United Arab Emirates**

- Staff heard from Minister Al Mazrouei who oversees the energy and infrastructure sector of the UAE and is responsible for ensuring that the UAE remains one of the global leaders when it comes to the energy sector. The UAE is also part of the OPEC+ group and has played a pivotal role in the decision making on oil production as part of OPEC+.

**Meeting with Emirates Nuclear Energy Corporation and Mohamed Al Hammadi, Chief
Executive Officer, Emirates Nuclear Energy Corporation**

- Staff heard from and asked questions of the Emirates Nuclear Energy Corporation (ENEC) who is responsible for the implementation of the UAE's nuclear energy program. ENEC's main priority is to deliver safe, clean, efficient, and reliable nuclear energy to the UAE grid in order to establish a more diversified power mix and provide a lower carbon emissions alternative to burning oil or gas.

Reception and Dinner Briefing with US Embassy Abu Dhabi

- Staff discussed contemporary issues in the UAE from the perspective of members of the US embassy in Abu Dhabi. This dinner provided staff with the opportunity to get a sense of both political and economic concerns in the UAE.

**Meeting with Dubai Electricity and Water Authority and H.E. Saeed Mohammed Al Tayer,
Managing Director and Chief Executive Officer, Dubai Electricity and Water Authority**

- Staff learned about the history of the Dubai Electricity and Water Authority (DEWA) Since its inception, DEWA has become one of the best ranking utilities companies in the world, supplying over 780,000 customers.

Lunch and Briefing on Dubai's Economy and Role within the Emirates

- Staff had the opportunity to engage in a discussion with Atlantic Council about the role of the emirate of Dubai in the UAE. Staffers received a briefing on Dubai's economy, the role it plays within the UAE, and what Dubai is doing to create a sustainable economy.

Tour and discussion on Expo2020 & COP28

- The UAE will be hosting COP28 in 2023. Staff received a briefing to gain a better idea of how the UAE is looking forward to hosting COP28, what world leaders can expect and what the UAE hopes to achieve at COP28.

Dinner briefing on UAE's Energy Economy

- Staff heard from a representative of the Abu Dhabi Investment Authority (ADIA), the largest sovereign wealth fund of the country, and from ADNOC's energy economics manager to gain a better understanding of the UAE's economy and what the plans are for the future as the UAE is working to diversify its economy.

Lunch and Briefing on Nuclear Energy 101 and Barakah

- Staff received a briefing on nuclear energy and the UAE and what progress the UAE has made on the Barakah Nuclear Power Plant and what still needs to be done.

Dinner and briefing on Climate Financing and International Collaboration from a UAE perspective

- Staff received a briefing on what the UAE is doing on climate financing and international collaboration to fight climate change ahead of the evening meeting and briefing the staffers will receive on US Climate Policy & Financing and International Collaboration. This briefing and discussion helped ensure that staff had a well-rounded idea of what's being done both from a UAE and US perspective.

Briefing on US Climate Policy & Financing and International Collaboration

- Staff received a briefing from advisors David Livingston and Kevin Adams, to the Special Presidential Envoy for Climate, Secretary John Kerry, on US climate policy and financing and what the Administration is doing on international collaboration in climate change efforts, particularly with the UAE and in the lead up to COP27 and COP28.

Site Visit: Noor Abu Dhabi Solar Power Plant

- Staff toured the world's largest single-site solar power plant. Noor Abu Dhabi covers an area of 8 square kilometers and features 3.2 million solar panels. The plant produces approximately 1.2 gigawatts of power, reducing reliance on the usage of natural gas for electricity generation resulting in a carbon footprint reduction of 1 million metric tons per year.

Briefing from International Renewable Energy Agency

- Staff met with representatives from IRENA, an intergovernmental organization that supports countries in their transition to a sustainable energy future, and serves as the principal platform for international cooperation on renewable energy. With over 180 countries engaged, IRENA encourages governments to adopt enabling policies for renewable energy investments, provides practical tools and policy advice to accelerate renewable energy deployment, and facilitates knowledge sharing and technology transfer to provide clean, sustainable energy for the world's growing population.

Presentation and tour of Masdar City

- Staff toured Masdar City, a completely sustainable city in the outskirts of Abu Dhabi. It aims to advance the development and adoption of commercially viable solutions in renewable energy and sustainable real estate that address the sustainability challenges of the UAE, the Middle East and international markets. Masdar City implements an array of cutting-edge technologies to meet sustainability goals.

Briefing from Mubadala Investment Company

- Staff engaged in a discussion on how Mubadala Investment Company contributes to the acceleration of the UAE's economic transformation, and the development of homegrown businesses, fostering vibrant industrial and commercial clusters, and partnering with global entities, and how Mubadala, one of the largest sovereign wealth funds of the UAE, uses its funds to invest in the local economy as part of the energy transition.

Dinner on economic diversification in the Gulf

- Staff discussed how the energy transition and diversifying the economy away from the oil and gas sector are the two main priorities for the UAE and the Gulf countries in general.

Tour and Briefing: Al Reyadah – Carbon Capture, Usage, and Sequestration Company

- Staff visited Al Reyadah, which is operating by capturing carbon dioxide from the flue gas of an Emirates Steel production facility and then using this carbon dioxide in enhanced oil recovery (EOR) at a nearby oil field. The main objectives of the project are to reduce the carbon footprint of the United Arab Emirates, implement EOR in subsurface oil reservoirs, and free up natural gas that would have been used for oil field pressure maintenance.

Briefing from Abu Dhabi National Oil Company's Panorama Data Analytics Suite

- Staff met with ADNOC'S Chief Technology Office. The Abu Dhabi National Oil Company (ADNOC) is one of the world's largest oil companies, with subsidiaries across the entire hydrocarbon value chain. ADNOC is working to become more integrated to ensure a

more sustainable and economical oil and gas supply. This is being aided by the Panorama Data Analytics Suite. ADNOC's Panorama Digital Command Center draws from a massive set of data points across the company, from the upstream to the downstream and global distribution network, to provide a single access point to ADNOC's real time performance.

Dinner debrief and discussion on overall trip

- During the final dinner on the trip, staffers looked back on the week and discussed any final thoughts and questions that were answered by the organizing experts.



Atlantic Council

GLOBAL ENERGY CENTER

United Arab Emirates Energy Study Trip

**October 1-8, 2022 • Abu Dhabi • United Arab
Emirates**

ANNOTATED AGENDA**Saturday, October 1**

9:15 p.m. **Flight departure**
Location: Washington Dulles International Airport
Flight number: EY 130
Airline: Etihad Airways

Sunday, October 2

6:15 p.m. **Arrival in Abu Dhabi, United Arab Emirates**
Location: Abu Dhabi International Airport

7:15 – 7:30 p.m. **Travel from airport to hotel**
Location:
St. Regis Abu Dhabi
Nation Tower, Corniche
P.O. Box 60476
Abu Dhabi
United Arab Emirates
Transportation: Coach Bus

7:30 - 8:30 p.m. **Executive Time**

8:30 – 10:30 p.m. **Welcome Dinner and Briefing: State of the United Arab Emirates**
Location: The Terrace at the St. Regis, Abu Dhabi

Briefer:

Mr. Dave Scott, *Executive Director of Economic Affairs*, Executive Affairs
Authority, Abu Dhabi

Staffers will receive an overview of the United Arab Emirates, serving to help familiarize them with relevant information. This will serve as part of their foundational understanding of the country and provide an opportunity to gain topical knowledge in preparation for the following days.

RON: St. Regis, Abu Dhabi

Monday, October 3

7:30 – 8:30 a.m. **Breakfast**
Location: The Terrace on the Corniche at the St. Regis

8:30 -- 11:30 a.m. **Travel to Barakah Nuclear Power Plant**
Transportation: Coach Bus

Advisory: Please ensure to come dressed in appropriate clothing for a walk down of the construction site at Barakah, and bring your passport as that's the identification document corresponding to the documents used to issue the Security Clearance Pass.

Briefing on Nuclear Energy 101 and preview of Barakah visit (1 hour):

Briefer:

Mr. Reed Blakemore, Acting Director, Global Energy Center, Atlantic Council

Staffers will receive a briefing on nuclear energy and the UAE and what to expect from visiting the Barakah Nuclear Power Plant.

11:30 a.m. – 12:00 p.m. **Meeting with Emirates Nuclear Energy Corporation**
Location: Barakah Nuclear Power Plant

Briefer:

Mohamed Al Hammadi, Chief Executive Officer, Emirates Nuclear Energy Corporation

Founded in 2009, the Emirates Nuclear Energy Corporation (ENEC) is responsible for the implementation of the UAE's nuclear energy program. The move to pursue a nuclear program was in part due to the sustainability goals outlined under the Abu Dhabi Economic Vision 2030. ENEC's main priority is to deliver safe, clean, efficient, and reliable nuclear energy to the UAE grid in order to establish a more diversified power mix and provide a lower carbon emissions alternative to burning oil or gas. The short-term goal is to get the Barakah nuclear facility operational, at which point, ENEC will turn to focusing on operations at Barakah, while developing plans to expand nuclear operations to other locations.

12:00 – 1:00 p.m. **Nuclear Briefing Presentation**

Briefer:

Eng. Ali Al Nuaimi, Senior Reactor Operator, Emirates Nuclear Energy Corporation

Barakah is the first nuclear site under construction in the UAE, designed with four APR1400 nuclear reactors to produce 5.6 GW of energy when all reactors are operational. The Korea Electric Power Corporation won the bid to design and build the facility. Unit 1 started to commercially operate in April 2021 and Unit 2 in March 2022. Unit 3 and 4 are in the final stages. The United States nuclear supply chain contributed significantly to the success of this project.

1:00 – 2:00 p.m. **Site Visit: Barakah Nuclear Power Plant**

Briefer:

Hasan Al Shemeili, *Nuclear Performance Improvement Manager*, Nawah Energy Company

Staffers will receive a tour of the Barakah Nuclear Power Plant during which they'll be shown the different Units and gain an impression of the workings of the Power Plant from the inside.

2:00 – 3:00 p.m.

Lunch

Location: Barakah

3:00 – 6:00 p.m.

Travel to Abu Dhabi

Transportation: Coach Bus

6:00 – 7:10 p.m.

Executive time

7:10 – 7:30 p.m.

Travel to restaurant

7:30 – 10:00 p.m.

Dinner Briefing and Discussion with US Embassy Abu Dhabi

Location: Talea, Abu Dhabi

Briefers:

Sean Murphy, *Chargé d'Affaires*, US Embassy in the UAE

Staffers will hear about contemporary issues in the UAE from the perspective of members of the US embassy in Abu Dhabi. This dinner will provide staffers with the opportunity to get a sense of both political and economic concerns in the UAE.

10:00 – 10:30 p.m.

Return to the Hotel

Transportation: Coach Bus

RON:

St. Regis, Abu Dhabi

Tuesday, October 4

6:30 – 7:30 a.m.

Breakfast

Location: The Terrace on the Corniche at the St. Regis

7:30 – 9:00 a.m.

Travel to Dubai

Transportation: Coach Bus

9:00 - 10:00 a.m.

Meet with Dubai Electricity and Water Authority

Location: Dubai Electricity and Water Authority, PO Box 564, Dubai

Briefer:

H.E. Saeed Mohammed Al Tayer, *Managing Director and Chief Executive Officer, Dubai Electricity and Water Authority*

The Dubai Electricity and Water Authority (DEWA) was formed in 1992 from a merger between the Dubai Electric Company and Dubai Water Department. Since then, DEWA has become one of the best ranking utilities companies in the world, supplying over 780,000 customers. DEWA has recently begun to incorporate solar into its power generation mix in an effort to decrease dependence on gas-fired power facilities.

10:00 a.m.- 12:00 p.m.

Site visit: DEWA Jebel Ali Power Plant & Desalination Complex

Location: DEWA Jebel Ali Power Plant & Desalination Complex, Dubai

Briefer:

H.E. Saeed Mohammed Al Tayer, *Managing Director and Chief Executive Officer, Dubai Electricity and Water Authority*

The Jebel Ali facility is the largest electricity generation and water desalination plant in the UAE. The DEWA operated plant has an installed capacity of over 2,100 MW and 140 million imperial gallons of water per day, with an expansion underway to bring power production to over 2,800 MW.

12:00 – 12:30 p.m.

Lunch

Location: DEWA

12:30 – 2:00 p.m.

Travel time to ADNOC

Transportation: Coach Bus

2:00 – 2:45 p.m.

Briefing from Abu Dhabi National Oil Company's Panorama Data Analytics Suite

Location: ADNOC Headquarters, PO Box 898, Abu Dhabi

Briefer:

Mr. Abdulmunim Saif Al Kindy, *Executive Director for People, Technology and Corporate Support, ADNOC*

The Abu Dhabi National Oil Company (ADNOC) is one of the world's largest oil companies, with subsidiaries across the entire hydrocarbon value chain. ADNOC is working to become more integrated to ensure a more sustainable and economical oil and gas supply. This is being aided by the Panorama Data Analytics Suite. ADNOC's Panorama Digital Command Center draws from a massive set of data points across the company, from the upstream to the downstream and global distribution network, to provide a single access point to ADNOC's real time performance. Using smart analytical models and, increasingly, leveraging

advanced AI platforms, it uses big data to generate operational insights and recommend new, integrated pathways to optimize and enhance performance and create additional value.

2:45 – 3:30 p.m.

Travel time to Al Reyadah
Transportation: Coach Bus

3:30 – 4:30 p.m.

Site Visit: Al Reyadah – Carbon Capture, Usage, and Sequestration Company
Location: Al Reyadah, Abu Dhabi

Briefer:

Mr. Omar Obaid Al Nasri, Chief Executive Officer, Al Reyadah

This project is currently operating by capturing carbon dioxide from the flue gas of an Emirates Steel production facility and then using this carbon dioxide in enhanced oil recovery (EOR) at a nearby oil field. The main objectives of the project are to reduce the carbon footprint of the United Arab Emirates, implement EOR in subsurface oil reservoirs, and free up natural gas that would have been used for oil field pressure maintenance. The Al Reyadah project captures, transports, and injects just under 900,000 tons of carbon dioxide per year

4:30 – 5:15 p.m.

Travel time to Department of Energy
Transportation: Coach Bus

5:15 – 6:15 p.m.

Briefing from Department of Energy, Abu Dhabi on the energy transition
Location: Al Maqam Tower Building number: 99 Floor: 32, 33, Abu Dhabi

Briefer:

H.E. Eng. Awaidha Murshed Al Marar, Chairman, Department of Energy

The Department of Energy in Abu Dhabi is responsible for facilitating the development of the energy sector within the Emirate and to support the economic, environmental, and social sustainability requirements of Abu Dhabi as part of Abu Dhabi 2030 Vision, which aims to establish a robust and secure society with a sustainable economy. As such, the Department of Energy also oversees the energy transition within the Emirate.

6:15 - 6:30 p.m.

Travel time to hotel
Transportation: Coach Bus

6:30 – 7:00 p.m.

Executive time

7:00 - 7:30 p.m.

Travel time to restaurant
Transportation: Coach Bus

7:30 – 9:30 p.m. **Dinner briefing on UAE's Energy Economy**
Location: Cafe Milano, Four Seasons Abu Dhabi

Briefers:

Ms. Costanza Jacazio, *Manager, Energy Economics, ADNOC*
Mr. Tit Andrej Erker, *Senior Economist, Abu Dhabi Investment Authority*

The UAE is an energy economy. So far, everything that has been built and created within the UAE by its government, is funded by the energy sector. The staffers will have an opportunity to hear from the Abu Dhabi Investment Authority (ADIA), the largest sovereign wealth fund of the country, and from ADNOC's energy economics manager to gain a better understanding of the UAE's economy and what the plans are for the future as the UAE is working to diversify its economy.

9:30 - 10:00 p.m. **Travel time to hotel**
Transportation: Coach bus

RON: St. Regis, Abu Dhabi

Wednesday, October 5

7:00 – 8:00 a.m. **Breakfast**
Location: The Terrace on the Corniche at the St. Regis Abu Dhabi

8:00 – 9:30 a.m. **Travel time to Emirates Global Aluminium**
Transportation: Coach Bus

9:30 – 10:30 a.m. **Meet with Emirates Global Aluminium**
Location: Emirates Global Aluminium, Sheikh Zayed Road, Jebel Ali, (opposite Ibn Battuta Mall), Dubai

Briefer:

Mr. Abdunasser Ibrahim Saif Bin Kalban, *Chief Executive Officer, Emirates Global Aluminium*

Emirates Global Aluminium (EGA) is the world's largest 'premium aluminium' producer and is the biggest UAE exporter outside of the oil and gas industry, producing 4 percent of the world's aluminum. EGA began in the 1970s when the UAE was exporting no aluminum and has transformed the industry to be a major player in the aluminum market. EGA currently operates smelters in Abu Dhabi and Dubai and is developing an alumina refinery in the UAE and a bauxite mine and export facility in the Republic of Guinea.

10:30 a.m. – 12:00 p.m. **Site visit: Emirates Global Aluminium industrial plant**

Briefer:

Mr. Abdunasser Ibrahim Saif Bin Kalban, *Chief Executive Officer*, Emirates Global Aluminium

The EGA plant at Jebel Ali was built in 1976 and was the first aluminum smelter to be built in the UAE and the second in the region. When production began in 1979, the production capacity was 135,000 metric tons, but after eight expansions, this has increased to over one million metric tons of aluminum per year. This plant is capable of producing a range of purities of aluminum and can go as high as 99.96 percent, which makes aluminum for specialist aviation and electronics.

12:00 - 12:30 p.m.

Travel time to lunch

Transportation: Coach Bus

12:30 - 1:30 p.m.

Lunch

Location: Olea, Mall of the Emirates, Dubai

1:30 – 2:00 p.m.

Travel time to Ministry of Climate Change and Environment Dubai Office

Transportation: Coach Bus

2:00 – 3:00 p.m.

Meet with Ministry of Climate Change and Environment

Location: Dubai Al Ruwayyah 2 Area Beside Zayed University, Dubai – Al Ain Road, Dubai

Briefer:

H.E. Mariam Almheiri, *Minister of Climate Change and Environment*, United Arab Emirates

The current Ministry of Climate Change and Environment was begun in 2016 when the role of the Ministry of Environment and Water was expanded to manage all aspects related to international and domestic climate change affairs. This ministry has its beginnings, though, in 1975 with the Supreme Committee for Environment. The ministry is working towards a more sustainable future for the UAE and monitors climate change issues, as well as developing plans, strategies, and policies regarding the environment and agriculture. They are also spearheading, together with the Special Envoy for Climate Change, H.E. Dr. Sultan Al Jaber, the preparations of COP28.

3:00 - 3:45 p.m.

Travel time to Expo2020

Transportation: Coach Bus

3:45 – 5:15 p.m.

Exploring Expo2020 & COP28

Location: Expo2020

Briefer:

Ms. Hana AlHashimi, Head of the Office of the Special Envoy for Climate Change, United Arab Emirates

The UAE will be hosting COP28 in 2023. Staffers will receive a briefing from the COP28 organizers to gain a better idea of how the UAE is looking forward to hosting COP28, what world leaders can expect and what the UAE hopes to achieve at COP28.

5:15 – 7:30 p.m.

Executive time

7:30 - 8:00 p.m.

Travel time to dinner

Transportation: Coach Bus

8:00 - 9:30 p.m.

Dinner briefing from ACWA Power

Location: Villa Toscana at the St. Regis Abu Dhabi

Briefer:

Mr. Paddy Padmanathan, Vice-Chairman and CEO, ACWA Power

ACWA Power is a private company, based in Saudi Arabia, with a presence in ten countries. ACWA works to produce power and desalinated water at the lowest possible cost and is capable of producing more than twenty-seven GW of power and over three million cubic meters of desalinated water daily.

9:30 – 11:00 p.m.

Travel time to hotel

Transportation: Coach Bus

RON:

St. Regis, Abu Dhabi

Thursday, October 6

7:30 – 8:30 a.m.

Breakfast

Location: The Terrace on the Corniche at the St. Regis, Abu Dhabi

8:30 - 10:15 a.m.

Executive Time

10:15 – 10:45 a.m.

Travel to Mubadala Investment Company

Transportation: Coach Bus

10:45 – 11:45 a.m. Briefing from Mubadala Investment Company

Location: Mubadala Investment Company

Briefer:

Mr. Musabbeh Al Kaabi, *Chief Executive Officer, Mubadala UAE Investments Platform*

The Mubadala's UAE Investments platform contributes to the acceleration of the UAE's economic transformation, and the development of homegrown businesses, fostering vibrant industrial and commercial clusters, and partnering with global entities. The UAE Investments portfolio includes UAE-led assets in multiple sectors including energy, metals, aerospace, technology, healthcare, real estate and infrastructure. Staffers will gain an impression on how Mubadala, one of the largest sovereign wealth funds of the UAE, uses its funds to invest in the local economy as part of the energy transition.

11:45 a.m. - 12:00 p.m. Travel time to lunch

Transportation: Coach Bus

12:00 - 1:00 p.m. Lunch

Location: The Terrace at the St. Regis, Abu Dhabi

1:00 – 1:30 p.m. Travel time to Masdar

Transportation: Coach Bus

1:30 – 2:00 p.m. Introductory tour of Masdar City

Location: Masdar, Masdar City, Abu Dhabi

Briefer:

Mohamed Al Ramahi, *Chief Executive Officer, Masdar*

Construction began on Masdar City in 2008 in order to build a completely sustainable city, juxtaposing urban planning with green technologies. It aims to advance the development and adoption of commercially viable solutions in renewable energy and sustainable real estate that address the sustainability challenges of the UAE, the Middle East and international markets. Masdar City implements an array of cutting-edge technologies to meet sustainability goals.

2:00 – 3:00 p.m. Meeting with Masdar CEO & Executive Team

Location: Masdar, Masdar City, Abu Dhabi

Briefer:

Mohamed Al Ramahi, *Chief Executive Officer, Masdar*

Prior to touring Masdar City, the staffers will have the opportunity to sit down with Mr. Al Ramahi, the CEO of Masdar since 2016. Mr. Al Ramahi leads the strategic development of Abu Dhabi Future Energy Company (Masdar), today a leading global commercial enterprise in renewable energy and clean technologies. He has

played an instrumental role in the company's emergence over the last decade, both as a catalyst for renewable energy in the Arab world and as an early adopter of advanced clean technologies at scale in key international markets.

3:00 – 3:30 p.m.

Bus tour of Masdar City to view upcoming projects

Location: Masdar City, Abu Dhabi

Briefer:

Mohamed Al Ramahi, *Chief Executive Officer*, Masdar

This will allow staffers to see new initiatives Masdar City will begin implanting. Masdar City utilizes a variety of new technologies in order to promote sustainability and clean energy goals.

3:30 – 4:30 p.m.

Site visit within Masdar City: Seawater Energy and Agriculture System

Location: Masdar City, Abu Dhabi

Briefer:

Dr. Alejandro Ríos, *Director*, Sustainable Bioenergy Research Consortium

The UAE is a place where water scarcity is prevalent, and food security is of utmost importance. The Seawater Energy and Agriculture System is the flagship project of the Sustainable Bioenergy Research Consortium and combines an integrated system of aquaculture and agriculture to produce sustainable biofuels for aviation and other byproducts such as seafood. Seawater is pumped in to aquaculture ponds containing shrimp and fish. Nutrient rich water from the ponds is then used to irrigate fields of *Salicornia*, a halophytic (salt-loving) crop, which produces oilseeds, used in biofuels. The effluent from the fields is then channeled into a mangrove swamp, where the water is naturally filtered before reaching the sea.

4:30 - 5:15 p.m.

Travel time to Hotel

Transportation: Coach Bus

5:15 - 7:30 p.m.

Executive time

7:30 - 9:30 p.m.

Dinner on economic diversification in the Gulf

Location: Catch, St. Regis on the Corniche

Briefer:

Ms. Bina Hussein, *Nonresident Fellow*, Global Energy Center, Atlantic Council

The energy transition and diversifying the economy away from the oil and gas sector are the two main priorities for the UAE and the Gulf countries in general. How do the Gulf countries go about achieving this? What are some of the obstacles? How likely are they to achieve their goal? And what are some of the opportunities for foreign investment and partnerships?

RON:

St. Regis, Abu Dhabi

Friday, October 7

8:00 - 9:00 a.m.

Breakfast*Location: The Terrace on the Corniche at the St. Regis*

9:00 - 9:45 a.m.

Travel to IRENA*Transportation: Coach Bus*

9:45 - 10:45 a.m.

Briefing from International Renewable Energy Agency*Location: IRENA Headquarters in Masdar City*Briefer:

Dr. Nawal Al-Hosany, *Permanent Representative of the UAE*, International Renewable Energy Agency (IRENA)

IRENA, headquartered in the UAE is an intergovernmental organization that supports countries in their transition to a sustainable energy future, and serves as the principal platform for international cooperation, a center of excellence, and a repository of policy, technology, resource and financial knowledge on renewable energy. With over 180 countries engaged, IRENA encourages governments to adopt enabling policies for renewable energy investments, provides practical tools and policy advice to accelerate renewable energy deployment, and facilitates knowledge sharing and technology transfer to provide clean, sustainable energy for the world's growing population.

10:45 - 11:30 a.m.

Travel to Ministry of Energy & Infrastructure*Transportation: Coach Bus*11:30 a.m. – 12:30 p.m. **Briefing from Ministry of Energy & Infrastructure***Location: Ministry of Energy & Infrastructure*Briefer:

H.E. Suhail Al Mazrouei, *Minister of Energy & Infrastructure*, United Arab Emirates

Minister Al Mazrouei oversees the energy and infrastructure sector of the UAE and is responsible for ensuring that the UAE remains one of the global leaders when it comes to the energy sector. The UAE is also part of the OPEC+ group and has played a pivotal role in the decision making on oil production as part of OPEC+.

12:30 - 1:00 p.m.

Travel to lunch*Transportation: Coach Bus*

1:00 - 2:30 p.m.

Lunch and Discussion with the Office of the Special Envoy for Climate Change

Location: Villa Toscana at the St. Regis, Abu Dhabi

Briefer:

Ms. Hana AlHashimi, Head of the Office of the Special Envoy for Climate Change, United Arab Emirates

UAE recognizes climate change as a defining threat to humanity and the planet but also views climate action as an unprecedented opportunity for economic growth and job creation. The UAE is one of the world's largest sovereign investors in climate solutions like renewable energy and carbon capture and a committed partner in global initiatives to scale up climate action. During the meeting, the staffers will learn more about what the UAE is doing on climate change and engage in a discussion with the Head of the Office of the Special Envoy for Climate Change.

2:30 - 3:00 p.m.

Travel to Taqa

Transportation: Coach Bus

3:00 – 4:30 p.m.

Briefing on Hydrogen in the UAE

Location: Al Maqam Tower 3, Abu Dhabi

Briefer:

Mr. Jasim Husain Thabet, Group Chief Executive Officer and Managing Director, Taqa

With ADNOC, Masdar, and Mubadala as partners, TAQA is responsible for building the hydrogen sector in the UAE. Green hydrogen plays an important role in the utility firm's portfolio of renewables. As part of the company's 2030 growth strategy, TAQA aims to increase its gross power capacity to 30 GW from 18 GW in the UAE and adding up to 15 GW internationally.

4:30 - 6:30 p.m.

Executive Time

6:30 - 7:00 p.m.

Travel to restaurant

Transportation: Coach Bus

7:00 – 9:30 p.m.

Dinner debrief and discussion on trip

Location: Mezlai, Abu Dhabi

Briefers:

Mr. Reed Blakemore, Acting Director, Global Energy Center, Atlantic Council

Ms. Bina Hussein, Nonresident Fellow, Global Energy Center, Atlantic Council

Ms. Kathryn Kenney, Associate Director, Global Energy Center, Atlantic Council

During the final dinner on the trip, staffers will look back on the week and discuss any final thoughts and questions that will be answered by the organizing experts.

9:30 - 9:45 p.m. **Travel to hotel**
Transportation: Coach Bus

RON: St. Regis, Abu Dhabi

Saturday, October 8

7:00 - 8:00 a.m. **Breakfast**
Location: The Terrace on the Corniche at the St. Regis Abu Dhabi

8:00 - 8:45 a.m. **Travel to the airport**
Transportation: Coach Bus

8:45 - 11:00 a.m. **Executive time**

11:00 a.m. **Flight departure**
Location: Abu Dhabi International Airport
Flight number: EY 131
Airline: Etihad Airways

5:25 p.m. **Flight arrival in Washington, DC**

Senate Staff Invite List

Name	Office	Title	Email	Reason for Inviting
Geoff Antell	Whip Thune (R-SD)	Chief of Staff	geoff_antell@thune.senate.gov	Senior or Legislative staff who work on energy/environment related policy issues for their Member of Congress
Terry Van Doren	Leader McConnell (R-KY)	Senior Adviser	terry_vandoren@mccconnell.senate.gov	Senior or Legislative staff who work on energy/environment related policy issues for their Member of Congress
Travis Cone	Senate Environment and Public Works Committee (Minority)	Deputy Staff Director	travis_cone@epw.senate.gov	Senior or Legislative staff who work on energy/environment related policy issues for their Member of Congress
Elizabeth Horner	Senate Environment and Public Works Committee (Minority)	Chief Counsel	elizabeth_horner@epw.senate.gov	Senior or Legislative staff who work on energy/environment related policy issues for their Member of Congress
Kayla McMurry	Senate Environment and Public Works Committee (Minority)	Counsel	kayla_mcmurry@epw.senate.gov	Senior or Legislative staff who work on energy/environment related policy issues for their Member of Congress
Renaë Black	Energy and Natural Resources Committee (Majority)	Staff Director	renae_black@energy.senate.gov	Senior or Legislative staff who work on energy/environment related policy issues for their Member of Congress
CJ Osman	Energy and Natural Resources Committee (Majority)	Professional Staff Member	cj_osman@energy.senate.gov	Senior or Legislative staff who work on energy/environment related policy issues for their Member of Congress
Luke Bassett	Energy and Natural Resources Committee (Majority)	Senior Professional Staff Member	luke_bassett@energy.senate.gov	Senior or Legislative staff who work on energy/environment related policy issues for their Member of Congress
Justin Memmott	Energy and Natural Resources Committee (Minority)	Deputy Staff Director, Energy	justin_memmott@energy.senate.gov	Senior or Legislative staff who work on energy/environment related policy issues for their Member of Congress

Fitzhugh Elder	Agriculture Committee (Minority)	Staff Director	fitzhugh_elder@ag.senate.gov	Senior or Legislative staff who work on energy/environment related policy issues for their Member of Congress
Jen Schenck (Armstrong)	Appropriations Committee (Minority)	Staff Director	jen_armstrong@appro.senate.gov	Senior or Legislative staff who work on energy/environment related policy issues for their Member of Congress
Aaron Goldner	Appropriations Committee (Majority)	Professional Staff Member	aaron_goldner@appro.senate.gov	Senior or Legislative staff who work on energy/environment related policy issues for their Member of Congress
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Molly Ryan	Collins (R-ME)	Legislative Assistant	molly_ryan@collins.senate.gov	Senior or Legislative staff who work on energy/environment related policy issues for their Member of Congress
Nathan Flagg	Kennedy (R-LA)	Legislative Director	nathan_flagg@kennedy.senate.gov	Senior or Legislative staff who work on energy/environment related policy issues for their Member of Congress

Susanne Brooks	Bennet (D-CO)	Senior Adviser for Energy, Climate, and Environment	susanne_brooks@bennet.senate.gov	Senior or Legislative staff who work on energy/environment related policy issues for their Member of Congress
Laura Atcheson	Cornyn (R-TX)	Senior Counsel	laura_atcheson@cornyn.senate.gov	Senior or Legislative staff who work on energy/environment related policy issues for their Member of Congress
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Daniel Paiken	Hickenlooper (D-CO)	Legislative Assistant	daniel_paiken@hickenlooper.senate.gov	Senior or Legislative staff who work on energy/enviornment related policy issues for their Member of Congress
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GLOBAL ENERGY CENTER

United Arab Emirates Energy Study Trip

**October 1-8, 2022 • Abu Dhabi • United Arab
Emirates**

Draft Agenda as of August 26, 2022