

To: John Bockmier[john_bockmier@ios.doi.gov]; Heather Swift[heather_swift@ios.doi.gov]
Cc: Carla Byrd[cbyrd@npc.org]; MacGregor, Katharine[katharine_macgregor@ios.doi.gov]; Getto, Leila[leila_getto@ios.doi.gov]
From: James Slutz
Sent: 2018-12-04T08:13:02-05:00
Importance: Normal
Subject: [EXTERNAL] Re: Quote from Secretary Zinke for NPC press release 12/4/18
Received: 2018-12-04T08:14:31-05:00
[NPC draft press release Dec 4 2018 v5.docx](#)

John and Heather,

Attached is an initial draft press release. There are a number of people who still need to review this, but we wanted to give you something to think about. We put a placeholder quote in for the Secretary, but it is a detailed, more technical quote. Feel free to use a portion or not.

We will be working on this after the meeting, so if we could get something by early afternoon, it would be helpful.

FYI the webcast of the meeting can be accessed at www.npc.org.

Thanks,

Jim

James Slutz
Director of Study Operations
National Petroleum Council
1625 K Street NW, Washington, DC 20006
Office: 202 393 6100, Direct: 202 261 6327, Mobile: 703 431 9749
Email: jslutz@npc.org

From: James Slutz <jslutz@npc.org>
Date: Monday, December 3, 2018 at 12:22 PM
To: "Getto, Leila" <leila_getto@ios.doi.gov>
Cc: John Bockmier <john_bockmier@ios.doi.gov>, Heather Swift <heather_swift@ios.doi.gov>, Carla Byrd <cbyrd@npc.org>
Subject: Re: Quote from Secretary Zinke for NPC press release 12/6/18

Leila,

Thank you for the introduction.

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Thank you!
Leila

*Leila Getto
U.S. Department of the Interior
Immediate Office of the Secretary
Deputy Director, Scheduling and Advance
Direct: 202-208-5359; Main: 202-208-7551
Cell: 202-706-9435
Email: leila_getto@ios.doi.gov*

DRAFT PRESS RELEASE

December 4, 2018

Advanced Technology Makes Arctic Development Safer

The National Petroleum Council, at its 128th meeting today, received an interim supplementary report to the Council's 2015 *Arctic Potential* study. The preliminary findings suggest that new, safer and more environmentally sound practices are not adequately covered by existing regulations. The interim report recognized a need to update and coordinate regulations to accommodate new technology.

In August, Secretary of Energy Rick Perry requested that the NPC submit a supplemental assessment of recent exploration experience and technological advancements in Arctic offshore oil and gas development that could inform government decision making. The NPC was asked to provide views on whether the nation's regulatory environment could be enhanced to improve reliability, safety, efficiency, and environmental stewardship.

In today's meeting, the NPC was presented with a summary of the initial findings and proposed recommendations. The interim report identified recent technological advances that improve the safety, environmental stewardship, and economic viability of U.S. Arctic development.

In the last 4 years, there has been substantial Arctic exploration drilling, with 47 wells drilled, including 2 in the U.S. Arctic. There also has been substantial progress in demonstrating and advancing technology to prevent and respond to an oil spill in Arctic conditions. But technology alone is not enough ... regulatory reform is needed, as the current practices, adopted from other non-Arctic US regions where activity can occur year-round, are limiting exploration activity. [paragraph could be modified as a possible NPC quote]

[Secretary of Interior Ryan Zinke??] said "Some of these technological advances have not been foreseen in U.S. government regulations. Regulatory bodies have not yet caught up to the technology. Piling on layers doesn't make it safer – using better technology does. The trouble with regulations that require specific solutions is that they lead to compliance rather than risk management. Companies are forced to follow a specific set of protocols, even though actual experience and field testing have identified superior practices. Regulatory systems need to advance when technology advances." [language provided as place holder]

The NPC Arctic study is expected to be completed in February 2019, and will contain recommendations addressing safety and environmental stewardship, elimination of conflicting and contradictory regulations among various government agencies, and the need for critical infrastructure, among other things.

In other business, John Mingé, former chairman and CEO of BP America and chair of the CCUS Study Committee, presented a progress report on the Carbon Capture, Use and Storage (CCUS) study requested by Secretary Perry. The CCUS study will define potential pathways, including research and development, regulatory, and policy options, for integrating CCUS at scale into the energy and industrial market place.

The NPC also received a progress report on the U.S. Oil and Natural Gas Transportation Infrastructure study from Alan Armstrong, CEO of Williams Companies and Chair of the Study Committee. The study was requested by the Secretary of Energy, and will analyze the changing

dynamics of the nation's oil and natural gas transportation infrastructure and evaluate technology and policy options for improving siting and the permitting process.

[QUOTE - Secretary of Energy Rick Perry]

The CCUS and Infrastructure studies are scheduled to be completed in 2019.

Finally, in administrative matters, the Council reelected Greg Armstrong, CEO of Plains All American, as NPC Chairman; and Larry Nichols of Devon Energy as vice Chairman.

The NPC is a federal advisory committee to the Secretary of Energy. The sole purpose of the Council is to advise, inform, and make recommendations to the Secretary of Energy, at his request, on matters relating to oil and natural gas, and the oil and natural gas industries. The Council membership is comprised of approximately 200 members, representing all segments of the oil and natural gas industries as well as a broad cross section of non-industry members.

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*Leila Getto
U.S. Department of the Interior
Immediate Office of the Secretary
Deputy Director, Scheduling and Advance
Direct: 202-208-5359; Main: 202-208-7551
Cell: 202-706-9435
Email: leila_getto@ios.doi.gov*

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To: carla[cbyrd@npc.org]
From: Getto, Leila
Sent: 2018-12-03T15:16:39-05:00
Importance: Normal
Subject: Re: [EXTERNAL] Dec. 4
Received: 2018-12-03T15:17:18-05:00

Hi Carla! Yes, it is. And I'll be there early. Thanks.

Leila Getto

U.S. Department of the Interior

Immediate Office of the Secretary

Deputy Director, Scheduling and Advance

Direct: 202-208-5359; Main: 202-208-7551

Cell: 202-706-9435

Email: leila_getto@ios.doi.gov

On Mon, Dec 3, 2018 at 3:08 PM Carla Byrd <cbyrd@npc.org> wrote:

Leila,

In order to greet Secretary Zinke when he arrives at the St. Regis at 8 am, Is the plan still to enter the K St. entrance and proceed to the NPC members upstairs in the George Washington Room.

Carla

To: Getto, Leila[leila_getto@ios.doi.gov]
From: Carla Byrd
Sent: 2018-12-03T14:19:10-05:00
Importance: Normal
Subject: [EXTERNAL] Press list
Received: 2018-12-03T14:20:40-05:00
[Press & Public 124 IA.docx](#)

Leila,

One more time.

Carla

Press & Public Indicated Attendance
National Petroleum Council Meeting
December 4, 2018
Astor Ballroom
The St. Regis
9:00 A.M

Bridget Di Cosimo
Energy Intelligence

Emily Meredith
Energy Intelligence

Chris Knight
Argus Media

Nick Snow
Oil & Gas Journal

Stephen Cunningham
Bloomberg News

Brian Scheid
S&P Global Platts

Gary Gentile
S&P Global Platts

Ari Natter
Bloomberg News

Jan Mares
Resources for the Future

Aaron Annable
Embassy of Canada

Douglas C. Hengel
LNG Allies

Rebecca Kern
Bloomberg Environment

Bill Holland
S&P Global Market Intelligence

Tom Tiernan
The Foster Report

Jenny Mandel
E&E News

To: Getto, Leila[leila_getto@ios.doi.gov]
From: Carla Byrd
Sent: 2018-12-03T14:19:10-05:00
Importance: Normal
Subject: Press list
Received: 2018-12-03T14:19:18-05:00
[Press & Public 124 IA.docx](#)

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One more time.

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E&E News

To: Getto, Leila[leila_getto@ios.doi.gov]
From: Carla Byrd
Sent: 2018-12-03T14:17:42-05:00
Importance: Normal
Subject: Re: [EXTERNAL] Re: Secretary Zinke ...
Received: 2018-12-03T14:17:52-05:00
12-4-2018 NPC Agenda (12-3).pdf

So sorry, Leila, here it is.

On Dec 3, 2018, at 2:09 PM, Getto, Leila <leila_getto@ios.doi.gov> wrote:

Hi Carla!

The Secretary's schedule has changed. He will participate in the breakfast and arrive at 8am, then participate in the meeting at 9am, and depart immediately after his session is over (which would be after he takes questions from members).

There was no attachment. Do you mind resending the press list?

Thank you!

Leila

*Leila Getto
U.S. Department of the Interior
Immediate Office of the Secretary
Deputy Director, Scheduling and Advance
Direct: 202-208-5359; Main: 202-208-7551
Cell: 202-706-9435
Email: leila_getto@ios.doi.gov*

On Mon, Dec 3, 2018 at 1:55 PM Carla Byrd <cbyrd@npc.org> wrote:

Good Afternoon Leila,

Thank you for updating me on the DOI attendance plans. I had thought that Secretary Zinke was arriving at 8:45, staying briefly at the NPC member Continental breakfast, and joining the head table for the 9:00 meeting start. Please confirm his scheduled arrival time.

I had also previously been told that the Secretary would have a brief Q&A after his remarks. Is that his plan? We welcome Assistant Deputy Secretary, Todd Willens, and a seat will be reserved for him.

The webcast link is still being finalized and will be posted on the NPC website, npc.org, prior to the meeting. The website is the most reliable place to access the link. I have attached the current list of press responses.

I enjoyed meeting you and am happy to provide any additional information you may need.

Carla Byrd
National Petroleum Council
202-393-6100

On Dec 3, 2018, at 1:12 PM, Getto, Leila <leila_getto@ios.doi.gov> wrote:

Dear Carla,

Thank you for taking the time out of your busy schedule to meet with me on Friday.

I just wanted to follow up regarding DOI attendees. Unfortunately, nobody will be able to attend the reception this evening. I'm sorry. Secretary Zinke will be arriving at 8am for the breakfast and will depart immediately after his remarks. Assistant Secretary Joe Balash will NOT be able to participate in any of the events or meeting. Instead, Todd Willens (Assistant Deputy Secretary) will attend the meeting (not the breakfast) and will depart with Secretary Zinke.

When you have a moment, can you please send me the press RSVP list (I understand it fluid).
And can I trouble you for the live webcast link?

Thank you!
Leila

*Leila Getto
U.S. Department of the Interior
Immediate Office of the Secretary
Deputy Director, Scheduling and Advance
Direct: 202-208-5359; Main: 202-208-7551
Cell: 202-706-9435
Email: leila_getto@ios.doi.gov*

**128th Meeting
of the
NATIONAL PETROLEUM COUNCIL**

Astor Ballroom
The St. Regis
923 Sixteenth Street, N.W.
Washington, D.C.
December 4, 2018
9:00 a.m.

Greg L. Armstrong
Chair

Hon. Rick Perry
Government Cochair

TENTATIVE AGENDA

- I. Call to Order, and Memorial Tribute to President George H. W. Bush.**
Greg L. Armstrong, Chair, National Petroleum Council.
- II. Introductory Remarks and Welcome to Webcast Participants.**
Greg L. Armstrong, Chair, National Petroleum Council.
- III. Presentation of the Supplemental Assessment to the NPC Report *Arctic Potential*.**
Darren W. Woods, Committee Chair.
Carol J. Lloyd, Coordinating Subcommittee Chair.
- IV. Remarks of the Honorable Ryan Zinke, Secretary of the Interior.**
- V. Progress Report of the NPC Committee on Carbon Capture, Use, and Storage.**
John C. Mingé, Chair.
- VI. Progress Report of the NPC Committee on U.S. Oil and Natural Gas Transportation Infrastructure.**
Alan S. Armstrong, Chair.
- VII. Remarks of the Honorable Mark W. Menezes, Under Secretary of Energy, and Introduction of the Honorable Rick Perry, Secretary of Energy.**
Honorable Mark W. Menezes, Under Secretary of Energy.
- VIII. Remarks of the Honorable Rick Perry, Secretary of Energy.**
- IX. Administrative Matters.**
- X. Discussion of Any Other Business Properly Brought Before the National Petroleum Council.**
- XI. Adjournment.**

To: Leila Sepehri Getto[leila_getto@ios.doi.gov]
From: Pam Dunning
Sent: 2018-11-30T16:33:58-05:00
Importance: High
Subject: Pam Dunning: Updated "December 3 & 4 NPC Member Attendance"
Received: 2018-11-30T23:41:39-05:00
[December 3 & 4 NPC Member Indicated Attendance.pdf](#)

Good afternoon, Leila.

For your information and use, the attached document is to replace all previous versions. Should you encounter a problem opening the attachment, please let me know.

Thank you.

Pam

November 30, 2018

NATIONAL PETROLEUM COUNCIL
INDICATED MEMBER ATTENDANCE
AT THE
NPC RECEPTION and MEETING

Astor Ballroom
The St. Regis
923 Sixteenth Street, N.W.
Washington, D.C.
December 3 and 4, 2018

Robert Neal Anderson
President and
Chief Executive Officer
Wood Mackenzie Inc.

John R. Baza
Director, Division of Oil, Gas and Mining
Department of Natural Resources
State of Utah

Thurmon M. Andress
President
Andress Oil & Gas Company LLC

Joseph A. Blount, Jr.*
President and
Chief Executive Officer
Colonial Pipeline Company

Alan S. Armstrong
President and
Chief Executive Officer
The Williams Companies, Inc.

Allyson K. Anderson Book
Executive Director
American Geosciences Institute

Greg L. Armstrong
Chairman and
Chief Executive Officer
Plains All American Pipeline, L.P.

Kevin D. Book
Managing Director, Research
ClearView Energy Partners, LLC

Robert G. Armstrong
President
Armstrong Energy Corporation

Lee K. Boothby*
Chairman, President and
Chief Executive Officer
Newfield Exploration Company

Greg A. Arnold
Chairman and
Chief Executive Officer
The Arnold Companies

Jeffrey A. Bruner
President
Iroquois Pipeline Operating Company

Vicky A. Bailey
President
Anderson Stratton Enterprises, LLC

Diane X. Burman
Commissioner
New York State Public Service Commission

Edward H. Bastian*
Chief Executive Officer
Delta Air Lines, Inc.

Deborah H. Caplan
Executive Vice President
Human Resources and
Corporate Services
NextEra Energy, Inc.

* Alternate will represent the NPC member.

December 3 & 4 NPC Member Indicated Attendance

Christi L. Craddick
Commissioner
Railroad Commission of Texas
State of Texas

Trammell S. Crow
Founder
EarthX

William A. Custard
President and
Chief Executive Officer
Dallas Production, Inc.

Lisa Davis*
Managing Board Member
Siemens AG

Leo P. Denault*
Chairman of the Board and
Chief Executive Officer
Entergy Corporation

Claudio Descalzi*
Chief Executive Officer and
General Manager
Eni S.p.A.

David E. Dismukes
Executive Director
Center for Energy Studies
College of the Coast & Environment
Louisiana State University

David D. Dunlap
President and
Chief Executive Officer
Superior Energy Services

Michael J. Graff
Chairman and
Chief Executive Officer
American Air Liquide Holdings, Inc.

John W. England
Vice Chairman and
U.S. Energy & Resources Leader
Deloitte LLP

Randy A. Foutch*
Chairman and
Chief Executive Officer
Laredo Petroleum, Inc.

John E. Fatcher
President and
Chief Operating Officer
Bechtel Global Corporation

Russell K. Girling
President and
Chief Executive Officer
TransCanada Corporation

David C. Glendon
President and
Chief Executive Officer
Sprague Resources LP

Lawrence J. Goldstein
Trustee and
Director of Special Projects
Energy Policy Research Foundation, Inc.

David L. Goldwyn
President and Founder
Goldwyn Global Strategies, LLC

Joseph W. Gorder*
Chairman, President and
Chief Executive Officer
Valero Energy Corporation

Mauricio Gutierrez
President and
Chief Executive Officer
NRG Energy, Inc.

John A. Harju
Vice President for Strategic Partnerships
Energy & Environmental Research Center
University of North Dakota

Stephen L. Hightower
President and
Chief Executive Officer
Hightowers Petroleum Co.

Jeffery D. Hildebrand*
Executive Chairman and Founder
Hilcorp Energy Company

* Alternate will represent the NPC member. -2-

December 3 & 4 NPC Member Indicated Attendance

Vicki A. Hollub*
President and
Chief Executive Officer
Occidental Petroleum Corporation

Martin J. Houston*
Vice Chairman
Tellurian Inc.

J. Jon Imaz*
Chief Executive Officer
Repsol

Paal Kibsgaard*
Chief Executive Officer
Schlumberger Limited

Kristine Klavers
Senior Vice President Consulting – Americas
Argus Media Inc.

Ryan M. Lance*
Chairman and
Chief Executive Officer
ConocoPhillips Company

Roderick A. Larson
President and
Chief Executive Officer
Oceaneering International, Inc.

Stephen D. Layton
President
E&B Natural Resources
Management Corporation

Diane Leopold
Executive Vice President and
President and Chief Executive Officer
of the Gas Infrastructure Group
Dominion Energy, Inc.

Timothy C. Lieuwen
Executive Director
The Strategic Energy Institute
Georgia Institute of Technology

Mark A. McCollum
President and
Chief Executive Officer
Weatherford International plc

Rae McQuade*
President
North American Energy Standards Board

Ignacio Madrideojos*
President
CEMEX USA

David C. Mannon
President and
Chief Executive Officer
Stallion Oilfield Holdings, Inc.

D. Nathan Meehan
2016 President
Society of Petroleum Engineers

David B. Miller
Partner
EnCap Investments L.P.

Jeffrey A. Miller
President and
Chief Executive Officer
Halliburton Company

Mark K. Miller
President
Merlin Oil & Gas, Inc.

John C. Mingé
Former Chairman and President
BP America Inc.

Al Monaco*
President and
Chief Executive Officer
Enbridge Inc.

David L. Murfin
President
Murfin Drilling Co., Inc.

Richard G. Newell
President and
Chief Executive Officer
Resources for the Future

J. Larry Nichols
Chairman Emeritus
Devon Energy Corporation

* Alternate will represent the NPC member. -3-

December 3 & 4 NPC Member Indicated Attendance

John W. B. Northington
Principal
Northington Strategy Group

Pierce H. Norton II*
President and
Chief Executive Officer
ONE Gas, Inc.

Thomas B. Nusz
Chairman of the Board and
Chief Executive Officer
Oasis Petroleum, LLC

James C. O'Rourke*
President and
Chief Executive Officer
The Mosaic Company

Stephen Pastor*
President Petroleum
BHP Billiton

Joseph H. Pyne
Chairman of the Board
Kirby Corporation

Matthew C. Rogers*
Senior Partner
McKinsey & Company, Inc.

Matthew K. Schatzman
President and
Chief Executive Officer
NextDecade Corporation

Tisha Conoly Schuller
Principal
Adamantine Energy LLC

David T. Seaton
Chairman and
Chief Executive Officer
Fluor Corporation

Lorenzo Simonelli*
Chairman and
Chief Executive Officer
Baker Hughes, a GE company

Clark C. Smith
Chairman, President and
Chief Executive Officer
Buckeye Partners, L.P.

Terry K. Spencer
President and
Chief Executive Officer
ONEOK, Inc.

Todd A. Stevens*
President and
Chief Executive Officer
California Resources Corporation

Douglas J. Suttles*
President and
Chief Executive Officer
Encana Corporation

A. James Teague*
Director and
Chief Executive Officer
Enterprise Products Partners L.P.

Berry H. Tew, Jr.
State Geologist of Alabama
Oil and Gas Supervisor
Geological Survey of Alabama
State of Alabama

Lee M. Tillman
President and
Chief Executive Officer
Marathon Oil Corporation

William Paschall Tosch
Global Co-Head Oil & Gas Investment Banking
J.P. Morgan Securities LLC

Robert B. Tudor, III
Chairman
Tudor, Pickering, Holt & Co., LLC

D. James Umpleby III*
Chief Executive Officer
Caterpillar Inc.

Vaughn O. Vennerberg, II
President
MorningStar Partners LP

* Alternate will represent the NPC member. -4-

December 3 & 4 NPC Member Indicated Attendance

Frank A. Verrastro
Senior Vice President and Trustee Fellow
Energy, National Security and Foreign Policy
Center for Strategic & International Studies

Bruce H. Vincent
Chief Executive Officer
Vincent & Company

John W. Wallace*
Chairman and
Chief Executive Officer
DeGolyer and MacNaughton

Gretchen Hauser Watkins
Executive Vice President
Upstream Americas Unconventionals
Shell Oil Company

J. Robinson West
Managing Director
Center for Energy Impact
The Boston Consulting Group

Craig E. White
President and
Chief Executive Officer
Philadelphia Gas Works

Michael K. Wirth*
Chairman of the Board and
Chief Executive Officer
Chevron Corporation

Patrick H. Wood III
Principal
Wood3 Resources

Darren W. Woods
Chairman, President and
Chief Executive Officer
Exxon Mobil Corporation

Robert R. Workman*
President and
Chief Executive Officer
DistributionNOW

Daniel H. Yergin
Vice Chairman
IHS Markit

* Alternate will represent the NPC member. -5-

To: Leila Sepehri Getto[leila_getto@ios.doi.gov]
From: Pam Dunning
Sent: 2018-11-30T16:33:58-05:00
Importance: High
Subject: [EXTERNAL] Pam Dunning: Updated "December 3 & 4 NPC Member Attendance"
Received: 2018-11-30T18:24:19-05:00
[December 3 & 4 NPC Member Indicated Attendance.pdf](#)

Good afternoon, Leila.

For your information and use, the attached document is to replace all previous versions. Should you encounter a problem opening the attachment, please let me know.

Thank you.

Pam

November 30, 2018

NATIONAL PETROLEUM COUNCIL
INDICATED MEMBER ATTENDANCE
AT THE
NPC RECEPTION and MEETING

Astor Ballroom
The St. Regis
923 Sixteenth Street, N.W.
Washington, D.C.
December 3 and 4, 2018

Robert Neal Anderson
President and
Chief Executive Officer
Wood Mackenzie Inc.

John R. Baza
Director, Division of Oil, Gas and Mining
Department of Natural Resources
State of Utah

Thurmon M. Andress
President
Andress Oil & Gas Company LLC

Joseph A. Blount, Jr.*
President and
Chief Executive Officer
Colonial Pipeline Company

Alan S. Armstrong
President and
Chief Executive Officer
The Williams Companies, Inc.

Allyson K. Anderson Book
Executive Director
American Geosciences Institute

Greg L. Armstrong
Chairman and
Chief Executive Officer
Plains All American Pipeline, L.P.

Kevin D. Book
Managing Director, Research
ClearView Energy Partners, LLC

Robert G. Armstrong
President
Armstrong Energy Corporation

Lee K. Boothby*
Chairman, President and
Chief Executive Officer
Newfield Exploration Company

Greg A. Arnold
Chairman and
Chief Executive Officer
The Arnold Companies

Jeffrey A. Bruner
President
Iroquois Pipeline Operating Company

Vicky A. Bailey
President
Anderson Stratton Enterprises, LLC

Diane X. Burman
Commissioner
New York State Public Service Commission

Edward H. Bastian*
Chief Executive Officer
Delta Air Lines, Inc.

Deborah H. Caplan
Executive Vice President
Human Resources and
Corporate Services
NextEra Energy, Inc.

* Alternate will represent the NPC member.

December 3 & 4 NPC Member Indicated Attendance

Christi L. Craddick
Commissioner
Railroad Commission of Texas
State of Texas

Trammell S. Crow
Founder
EarthX

William A. Custard
President and
Chief Executive Officer
Dallas Production, Inc.

Lisa Davis*
Managing Board Member
Siemens AG

Leo P. Denault*
Chairman of the Board and
Chief Executive Officer
Entergy Corporation

Claudio Descalzi*
Chief Executive Officer and
General Manager
Eni S.p.A.

David E. Dismukes
Executive Director
Center for Energy Studies
College of the Coast & Environment
Louisiana State University

David D. Dunlap
President and
Chief Executive Officer
Superior Energy Services

Michael J. Graff
Chairman and
Chief Executive Officer
American Air Liquide Holdings, Inc.

John W. England
Vice Chairman and
U.S. Energy & Resources Leader
Deloitte LLP

Randy A. Foutch*
Chairman and
Chief Executive Officer
Laredo Petroleum, Inc.

John E. Fatcher
President and
Chief Operating Officer
Bechtel Global Corporation

Russell K. Girling
President and
Chief Executive Officer
TransCanada Corporation

David C. Glendon
President and
Chief Executive Officer
Sprague Resources LP

Lawrence J. Goldstein
Trustee and
Director of Special Projects
Energy Policy Research Foundation, Inc.

David L. Goldwyn
President and Founder
Goldwyn Global Strategies, LLC

Joseph W. Gorder*
Chairman, President and
Chief Executive Officer
Valero Energy Corporation

Mauricio Gutierrez
President and
Chief Executive Officer
NRG Energy, Inc.

John A. Harju
Vice President for Strategic Partnerships
Energy & Environmental Research Center
University of North Dakota

Stephen L. Hightower
President and
Chief Executive Officer
Hightowers Petroleum Co.

Jeffery D. Hildebrand*
Executive Chairman and Founder
Hilcorp Energy Company

* Alternate will represent the NPC member. -2-

December 3 & 4 NPC Member Indicated Attendance

Vicki A. Hollub*
President and
Chief Executive Officer
Occidental Petroleum Corporation

Martin J. Houston*
Vice Chairman
Tellurian Inc.

J. Jon Imaz*
Chief Executive Officer
Repsol

Paal Kibsgaard*
Chief Executive Officer
Schlumberger Limited

Kristine Klavers
Senior Vice President Consulting – Americas
Argus Media Inc.

Ryan M. Lance*
Chairman and
Chief Executive Officer
ConocoPhillips Company

Roderick A. Larson
President and
Chief Executive Officer
Oceaneering International, Inc.

Stephen D. Layton
President
E&B Natural Resources
Management Corporation

Diane Leopold
Executive Vice President and
President and Chief Executive Officer
of the Gas Infrastructure Group
Dominion Energy, Inc.

Timothy C. Lieuwen
Executive Director
The Strategic Energy Institute
Georgia Institute of Technology

Mark A. McCollum
President and
Chief Executive Officer
Weatherford International plc

Rae McQuade*
President
North American Energy Standards Board

Ignacio Madrideojos*
President
CEMEX USA

David C. Mannon
President and
Chief Executive Officer
Stallion Oilfield Holdings, Inc.

D. Nathan Meehan
2016 President
Society of Petroleum Engineers

David B. Miller
Partner
EnCap Investments L.P.

Jeffrey A. Miller
President and
Chief Executive Officer
Halliburton Company

Mark K. Miller
President
Merlin Oil & Gas, Inc.

John C. Mingé
Former Chairman and President
BP America Inc.

Al Monaco*
President and
Chief Executive Officer
Enbridge Inc.

David L. Murfin
President
Murfin Drilling Co., Inc.

Richard G. Newell
President and
Chief Executive Officer
Resources for the Future

J. Larry Nichols
Chairman Emeritus
Devon Energy Corporation

* Alternate will represent the NPC member. -3-

December 3 & 4 NPC Member Indicated Attendance

John W. B. Northington
Principal
Northington Strategy Group

Pierce H. Norton II*
President and
Chief Executive Officer
ONE Gas, Inc.

Thomas B. Nusz
Chairman of the Board and
Chief Executive Officer
Oasis Petroleum, LLC

James C. O'Rourke*
President and
Chief Executive Officer
The Mosaic Company

Stephen Pastor*
President Petroleum
BHP Billiton

Joseph H. Pyne
Chairman of the Board
Kirby Corporation

Matthew C. Rogers*
Senior Partner
McKinsey & Company, Inc.

Matthew K. Schatzman
President and
Chief Executive Officer
NextDecade Corporation

Tisha Conoly Schuller
Principal
Adamantine Energy LLC

David T. Seaton
Chairman and
Chief Executive Officer
Fluor Corporation

Lorenzo Simonelli*
Chairman and
Chief Executive Officer
Baker Hughes, a GE company

Clark C. Smith
Chairman, President and
Chief Executive Officer
Buckeye Partners, L.P.

Terry K. Spencer
President and
Chief Executive Officer
ONEOK, Inc.

Todd A. Stevens*
President and
Chief Executive Officer
California Resources Corporation

Douglas J. Suttles*
President and
Chief Executive Officer
Encana Corporation

A. James Teague*
Director and
Chief Executive Officer
Enterprise Products Partners L.P.

Berry H. Tew, Jr.
State Geologist of Alabama
Oil and Gas Supervisor
Geological Survey of Alabama
State of Alabama

Lee M. Tillman
President and
Chief Executive Officer
Marathon Oil Corporation

William Paschall Tosch
Global Co-Head Oil & Gas Investment Banking
J.P. Morgan Securities LLC

Robert B. Tudor, III
Chairman
Tudor, Pickering, Holt & Co., LLC

D. James Umpleby III*
Chief Executive Officer
Caterpillar Inc.

Vaughn O. Vennerberg, II
President
MorningStar Partners LP

* Alternate will represent the NPC member. -4-

December 3 & 4 NPC Member Indicated Attendance

Frank A. Verrastro
Senior Vice President and Trustee Fellow
Energy, National Security and Foreign Policy
Center for Strategic & International Studies

Bruce H. Vincent
Chief Executive Officer
Vincent & Company

John W. Wallace*
Chairman and
Chief Executive Officer
DeGolyer and MacNaughton

Gretchen Hauser Watkins
Executive Vice President
Upstream Americas Unconventionals
Shell Oil Company

J. Robinson West
Managing Director
Center for Energy Impact
The Boston Consulting Group

Craig E. White
President and
Chief Executive Officer
Philadelphia Gas Works

Michael K. Wirth*
Chairman of the Board and
Chief Executive Officer
Chevron Corporation

Patrick H. Wood III
Principal
Wood3 Resources

Darren W. Woods
Chairman, President and
Chief Executive Officer
Exxon Mobil Corporation

Robert R. Workman*
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DistributionNOW

Daniel H. Yergin
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IHS Markit

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To: Joe Balash[joseph_balash@ios.doi.gov]
Cc: Leila Getto[leila_getto@ios.doi.gov]
From: James Slutz
Sent: 2018-11-30T13:02:07-05:00
Importance: Normal
Subject: FW: copy of invitation to NPC reception
Received: 2018-11-30T15:27:50-05:00
[20181119145905284.pdf](#)

Joe,
Attached is a copy of your invitation for Monday's NPC reception.

Please let me know if you have any questions.

Regards,
Jim

James Slutz
Director of Study Operations
National Petroleum Council
1625 K Street NW, Washington, DC 20006
Office: 202 393 6100, Direct: 202 261 6327, Mobile: 703 431 9749
Email: jslutz@npc.org

On 11/19/18, 3:23 PM, "James Slutz" <jslutz@npc.org> wrote:

Hi Tracie,

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Best, Jim

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National Petroleum Council
1625 K Street NW, Washington, DC 20006
Office: 202 393 6100, Direct: 202 261 6327, Mobile: 703 431 9749
Email: jslutz@npc.org

On 11/19/18, 2:58 PM, "savinscan@npc.org" <savinscan@npc.org> wrote:

This E-mail was sent from "RNP0026738AF447" (MP C6003).

Scan Date: 11.19.2018 14:59:05 (-0500)
Queries to: savinscan@npc.org

NATIONAL PETROLEUM COUNCIL

1625 K Street, N.W., Washington, D.C. 20006
(202) 393-6100 Fax: (202) 331-8539

November 8, 2018

The Honorable Joseph R. Balash
Assistant Secretary for
Land and Minerals Management
U.S. Department of the Interior
1849 C Street, N.W.
Room 6617
Washington, D.C. 20240

Dear Mr. Balash:

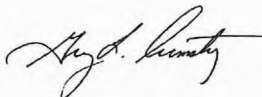
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The reception is being held in conjunction with the 128th meeting of the Council, which will begin at 9:00 a.m. the following day, Tuesday, December 4, 2018, also in the Astor Ballroom of The St. Regis Hotel. The meeting agenda will include remarks by the Honorable Rick Perry, Secretary of Energy.

The National Petroleum Council is a federal advisory committee to the Secretary of Energy and has contributed many valuable studies to successive administrations since being established at President Truman's request in 1946. The approximately 200 members, mostly chief executive officers of oil, natural gas, power, and related companies, as well as representatives from academic, public interest, and other outside organizations, are appointed by the Secretary of Energy.

The National Petroleum Council members welcome the opportunity to visit with you informally during the reception. I hope that your schedule will permit you to join us on December 3. Please notify Marshall Nichols, Executive Director of the Council, of your attendance plans. If you wish to use e-mail, you may respond to: <rsvp@npc.org>.

Sincerely,



Greg L. Armstrong
Chair

To: Joe Balash[joseph_balash@ios.doi.gov]
Cc: Leila Getto[leila_getto@ios.doi.gov]
From: James Slutz
Sent: 2018-11-30T13:02:07-05:00
Importance: Normal
Subject: [EXTERNAL] FW: copy of invitation to NPC reception
Received: 2018-11-30T13:03:44-05:00
[20181119145905284.pdf](#)

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Regards,
Jim

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Office: 202 393 6100, Direct: 202 261 6327, Mobile: 703 431 9749
Email: jslutz@npc.org

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This E-mail was sent from "RNP0026738AF447" (MP C6003).

Scan Date: 11.19.2018 14:59:05 (-0500)
Queries to: savinscan@npc.org

NATIONAL PETROLEUM COUNCIL

1625 K Street, N.W., Washington, D.C. 20006
(202) 393-6100 Fax: (202) 331-8539

November 8, 2018

The Honorable Joseph R. Balash
Assistant Secretary for
Land and Minerals Management
U.S. Department of the Interior
1849 C Street, N.W.
Room 6617
Washington, D.C. 20240

Dear Mr. Balash:

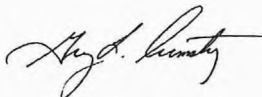
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Sincerely,



Greg L. Armstrong
Chair

An Advisory Committee to the Secretary of Energy

To: Leila Getto[leila_getto@ios.doi.gov]
From: James Slutz
Sent: 2018-11-30T12:57:26-05:00
Importance: Normal
Subject: [EXTERNAL] FW: copy of invitation to NPC reception
Received: 2018-11-30T15:46:27-05:00
[20181119145905284.pdf](#)

fyi

James Slutz
Director of Study Operations
National Petroleum Council
1625 K Street NW, Washington, DC 20006
Office: 202 393 6100, Direct: 202 261 6327, Mobile: 703 431 9749
Email: jslutz@npc.org

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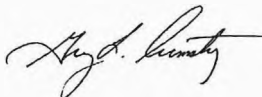
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Sincerely,



Greg L. Armstrong
Chair

To: Leila Getto[leila_getto@ios.doi.gov]
From: James Slutz
Sent: 2018-11-30T12:57:26-05:00
Importance: Normal
Subject: FW: copy of invitation to NPC reception
Received: 2018-11-30T13:05:14-05:00
[20181119145905284.pdf](#)

fyi

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Director of Study Operations
National Petroleum Council
1625 K Street NW, Washington, DC 20006
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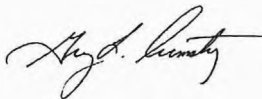
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Sincerely,



Greg L. Armstrong
Chair

To: Getto, Leila[leila_getto@ios.doi.gov]
From: Pam Dunning
Sent: 2018-11-29T14:28:23-05:00
Importance: High
Subject: Pam Dunning, National Petroleum Council: Listing of Dec 3&4 NPC Member Indicated Attendance
Just in time, Leila! Should you encounter a problem opening the attachment, please let me know.
Received: 2018-11-30T12:15:05-05:00
[Dec 3&4 NPC Member Indicated Attendance.pdf](#)

Thank you.

Pam
202.261.6332

From: Leila Sepehri Getto <leila_getto@ios.doi.gov>
Date: Thursday, November 29, 2018 at 12:27 PM
To: Pam Dunning <pdunning@npc.org>
Subject: Attendee list

Hi Pam!

Thank you for taking the time to speak with me today. When you have a moment, do you mind sending me the attendee list for the reception and meeting the next day? I understand it's very fluid and will change. I greatly appreciate your time and help.

Thanks!
Leila

*Leila Getto
U.S. Department of the Interior
Immediate Office of the Secretary
Deputy Director, Scheduling and Advance
Direct: 202-208-5359; Main: 202-208-7551
Cell: 202-706-9435
Email: leila_getto@ios.doi.gov*

November 29, 2018

**NATIONAL PETROLEUM COUNCIL
INDICATED MEMBER ATTENDANCE
AT THE
NPC RECEPTION and MEETING**

**Astor Ballroom
The St. Regis
923 Sixteenth Street, N.W.
Washington, D.C.
December 3 and 4, 2018**

Robert Neal Anderson
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Edward H. Bastian*
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Deborah H. Caplan
Executive Vice President
Human Resources and
Corporate Services
NextEra Energy, Inc.

* Alternate will represent the NPC member.

December 3 & 4 NPC Member Indicated Attendance

Christi L. Craddick
Commissioner
Railroad Commission of Texas
State of Texas

Trammell S. Crow
Founder
EarthX

William A. Custard
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Lisa Davis*
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Entergy Corporation

Claudio Descalzi*
Chief Executive Officer and
General Manager
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Vice Chairman and
U.S. Energy & Resources Leader
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Randy A. Foutch*
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Executive Chairman and Founder
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Occidental Petroleum Corporation

* Alternate will represent the NPC member. -2-

December 3 & 4 NPC Member Indicated Attendance

Martin J. Houston*
Vice Chairman
Tellurian Inc.

J. Jon Imaz*
Chief Executive Officer
Repsol

Paal Kibsgaard*
Chief Executive Officer
Schlumberger Limited

Kristine Klavers
Senior Vice President Consulting – Americas
Argus Media Inc.

Ryan M. Lance*
Chairman and
Chief Executive Officer
ConocoPhillips Company

Roderick A. Larson
President and
Chief Executive Officer
Oceaneering International, Inc.

Stephen D. Layton
President
E&B Natural Resources
Management Corporation

Diane Leopold
Executive Vice President and
President and Chief Executive Officer
of the Gas Infrastructure Group
Dominion Energy, Inc.

Timothy C. Lieuwen
Executive Director
The Strategic Energy Institute
Georgia Institute of Technology

Mark A. McCollum
President and
Chief Executive Officer
Weatherford International plc

Rae McQuade
President
North American Energy Standards Board

Ignacio Madridejos*
President
CEMEX USA

David C. Mannon
President and
Chief Executive Officer
Stallion Oilfield Holdings, Inc.

D. Nathan Meehan
2016 President
Society of Petroleum Engineers

David B. Miller
Partner
EnCap Investments L.P.

Jeffrey A. Miller
President and
Chief Executive Officer
Halliburton Company

Mark K. Miller
President
Merlin Oil & Gas, Inc.

John C. Mingé
Former Chairman and President
BP America Inc.

Al Monaco*
President and
Chief Executive Officer
Enbridge Inc.

David L. Murfin
President
Murfin Drilling Co., Inc.

Richard G. Newell
President and
Chief Executive Officer
Resources for the Future

J. Larry Nichols
Chairman Emeritus
Devon Energy Corporation

Pierce H. Norton II*
President and
Chief Executive Officer
ONE Gas, Inc.

* Alternate will represent the NPC member. -3-

December 3 & 4 NPC Member Indicated Attendance

Thomas B. Nusz
Chairman of the Board and
Chief Executive Officer
Oasis Petroleum, LLC

James C. O'Rourke*
President and
Chief Executive Officer
The Mosaic Company

Stephen Pastor*
President Petroleum
BHP Billiton

Joseph H. Pyne
Chairman of the Board
Kirby Corporation

Matthew C. Rogers*
Senior Partner
McKinsey & Company, Inc.

Matthew K. Schatzman
President and
Chief Executive Officer
NextDecade Corporation

Tisha Conoly Schuller
Principal
Adamantine Energy LLC

David T. Seaton
Chairman and
Chief Executive Officer
Fluor Corporation

Lorenzo Simonelli*
Chairman and
Chief Executive Officer
Baker Hughes, a GE company

Clark C. Smith
Chairman, President and
Chief Executive Officer
Buckeye Partners, L.P.

Terry K. Spencer
President and
Chief Executive Officer
ONEOK, Inc.

Todd A. Stevens*
President and
Chief Executive Officer
California Resources Corporation

Douglas J. Suttles*
President and
Chief Executive Officer
Encana Corporation

A. James Teague*
Director and
Chief Executive Officer
Enterprise Products Partners L.P.

Berry H. Tew, Jr.
State Geologist of Alabama
Oil and Gas Supervisor
Geological Survey of Alabama
State of Alabama

Lee M. Tillman
President and
Chief Executive Officer
Marathon Oil Corporation

William Paschall Tosch
Global Co-Head Oil & Gas Investment Banking
J.P. Morgan Securities LLC

Robert B. Tudor, III
Chairman
Tudor, Pickering, Holt & Co., LLC

D. James Umpleby III*
Chief Executive Officer
Caterpillar Inc.

Vaughn O. Vennerberg, II
President
MorningStar Partners LP

Frank A. Verrastro
Senior Vice President and Trustee Fellow
Energy, National Security and Foreign Policy
Center for Strategic & International Studies

Bruce H. Vincent
Chief Executive Officer
Vincent & Company

* Alternate will represent the NPC member. -4-

December 3 & 4 NPC Member Indicated Attendance

John W. Wallace*
Chairman and
Chief Executive Officer
DeGolyer and MacNaughton

Gretchen Hauser Watkins
Executive Vice President
Upstream Americas Unconventionals
Shell Oil Company

J. Robinson West
Managing Director
Center for Energy Impact
The Boston Consulting Group

Craig E. White
President and
Chief Executive Officer
Philadelphia Gas Works

Michael K. Wirth*
Chairman of the Board and
Chief Executive Officer
Chevron Corporation

Patrick H. Wood III
Principal
Wood3 Resources

Darren W. Woods
Chairman, President and
Chief Executive Officer
Exxon Mobil Corporation

Robert R. Workman*
President and
Chief Executive Officer
DistributionNOW

Daniel H. Yergin
Vice Chairman
IHS Markit

* Alternate will represent the NPC member. -5-

To: Katharine S. MacGregor[katharine_macgregor@ios.doi.gov]; Hon. Steven Winberg[steven.winberg@hq.doe.gov]; Maddox, Mark[mrmaddox@hq.doe.gov]; Hon. Joseph Balash[joseph_balash@ios.doi.gov]
Cc: Lassiter, Tracie[tracie_lassiter@ios.doi.gov]; Amanda Long[adlong@blm.gov]; Lacey Smethers[lacey_smethers@ios.doi.gov]; Shannon Desouza[shannon.desouza@hq.doe.gov]; Ken Vincent[kenneth.vincent@hq.doe.gov]; Almstead, Deidre[deidre.almstead@hq.doe.gov]; Johnson, Nancy[nancy.johnson@hq.doe.gov]; Leila Sepehri Getto[leila_getto@ios.doi.gov]
From: Pam Dunning
Sent: 2018-11-26T17:41:44-05:00
Importance: High
Subject: Pam Dunning: National Petroleum Council's December 4, 2018 Invitation to Secretary Zinke
Received: 2018-11-26T17:42:54-05:00
[December 4, 2018 NPC Invite.pdf](#)

It is my pleasure to transmit to you a copy of NPC Chair Greg Armstrong's invitation to Secretary of the Interior Ryan Zinke to attend the Council's December 4, 2018 Meeting at which the supplemental assessment of the Council's report *Arctic Potential* will be presented to the membership for its approval.

Chair Armstrong's letter attaches a Tentative Agenda for the December 4 Meeting. Please note that Committee Chair Darren Woods, Exxon Mobil Corporation, will present the Arctic Supplemental Assessment at 9:05 a.m. Should Secretary Zinke be willing to make remarks to the NPC members in attendance, time is tentatively designated for those remarks at 9:50 a.m. As noted on the Tentative Agenda, times can be adjusted to accommodate the presenters' and speakers' requirements.

Should you encounter a problem opening this e-mail's attachment, please do not hesitate to contact me. I am available if you have any questions and/or comments regarding the Secretary's invitation and the Council's December 4 Meeting.

Thank you.

Pam Dunning
202.393.6100

NATIONAL PETROLEUM COUNCIL
An Oil and Natural Gas Advisory Committee to the Secretary of Energy

1625 K Street, N.W.
Washington, D.C. 20006-1656

Phone: (202) 393-6100
Fax: (202) 331-8539

VIA E-MAIL

November 26, 2018

The Honorable Ryan K. Zinke
Secretary of the Interior
Washington, D.C. 20240

Dear Mr. Secretary:

On behalf of the officers and members of the National Petroleum Council, I extend to you a cordial invitation to participate in the 128th meeting of the Council, which will begin at 9:00 a.m. on Tuesday, December 4, 2018, in the Astor Ballroom of The St. Regis, 923 Sixteenth Street, N.W., Washington, D.C. The Agenda for the meeting will include remarks by Secretary of Energy Rick Perry, and we hope you will also address the membership.

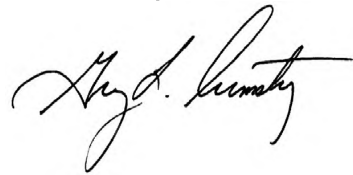
Importantly, the Agenda will feature a report on the supplemental assessment of the Council's 2015 report *Arctic Potential*, providing the NPC's updated views on U.S. regulatory policies relating to offshore Arctic oil and gas exploration and development. A draft copy of the full meeting Agenda is attached for your information. You will note that we have taken the liberty of including, after the Arctic presentation, an opportunity, if you wish, for you to comment on the report and any other matters you might wish to bring to the Council's attention. We have also included a brief time for questions from the Council members. Please note that while the meeting is open to the public and press are present, questions are only accepted from Council members.

We hope you will also join the Council members at an informal reception on the evening of Monday, December 3, 2018. The reception will also be held in the Astor Ballroom of The St. Regis from 6:00 until 8:00 p.m.

The Honorable Ryan K. Zinke
November 26, 2018
Page Two

The National Petroleum Council members welcome the opportunity to visit with you informally during the reception on December 3, and to have your participation in our meeting the next morning. The Executive Director of the Council, Marshall Nichols, and I are available to answer any questions you may have and to coordinate your attendance plans with your staff.

Sincerely,

A handwritten signature in black ink, appearing to read "Greg L. Armstrong". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Greg L. Armstrong
Chair

Attachment

cc: Katharine S. MacGregor
Joseph R. Balash
Steven E. Winberg
Mark R. Maddox

**128th Meeting
of the
NATIONAL PETROLEUM COUNCIL**

Astor Ballroom
The St. Regis
923 Sixteenth Street, N.W.
Washington, D.C.
December 4, 2018
9:00 a.m.

Greg L. Armstrong
Chair

Hon. Rick Perry
Government Cochair

TENTATIVE AGENDA*

<u>ESTIMATED TIMES</u>	
9:00–9:05 a.m.	I. Call to Order, Introductory Remarks and Welcome of Webcast Participants. Greg L. Armstrong, Chair, National Petroleum Council.
9:05–9:50 a.m.	II. Presentation of the Supplemental Assessment to the NPC Report <i>Arctic Potential</i>. Darren W. Woods, Committee Chair. Carol J. Lloyd, Coordinating Subcommittee Chair.
9:50–10:10 a.m.	III. Remarks of the Honorable Ryan Zinke, Secretary of the Interior. Q&A Session with NPC Members and Secretary Zinke.
10:10–10:30 a.m.	IV. Progress Report of the NPC Committee on Carbon Capture, Use, and Storage. John C. Mingé, Chair.
10:30–10:40 a.m.	V. Welcome of the Honorable Rick Perry, Secretary of Energy. Honorable Mark W. Menezes, Under Secretary of Energy.
10:40–11:00 a.m.	VI. Progress Report of the NPC Committee on U.S. Oil and Natural Gas Transportation Infrastructure. Alan S. Armstrong, Chair.
11:00–11:30 a.m.	VII. Remarks of the Honorable Rick Perry, Secretary of Energy. Q&A Session with NPC Members and Secretary Perry.
11:30–11:45 a.m.	VIII. Administrative Matters.
11:45 a.m.	IX. Discussion of Any Other Business Properly Brought Before the National Petroleum Council.
11:50 a.m.	X. Adjournment.

* **Note:** Times shown are approximate and will be finalized upon receipt of comments from presenters.

To: Katharine S. MacGregor[katharine_macgregor@ios.doi.gov]; Hon. Steven Winberg[steven.winberg@hq.doe.gov]; Maddox, Mark[mrmaddox@hq.doe.gov]; Hon. Joseph Balash[joseph_balash@ios.doi.gov]
Cc: Lassiter, Tracie[tracie_lassiter@ios.doi.gov]; Amanda Long[adlong@blm.gov]; Lacey Smethers[lacey_smethers@ios.doi.gov]; Shannon Desouza[shannon.desouza@hq.doe.gov]; Ken Vincent[kenneth.vincent@hq.doe.gov]; Almstead, Deidre[deidre.almstead@hq.doe.gov]; Johnson, Nancy[nancy.johnson@hq.doe.gov]; Leila Sepehri Getto[leila_getto@ios.doi.gov]
From: Pam Dunning
Sent: 2018-11-26T17:41:44-05:00
Importance: High
Subject: [EXTERNAL] Pam Dunning: National Petroleum Council's December 4, 2018 Invitation to Secretary Zinke
Received: 2018-11-27T00:37:23-05:00
[December 4, 2018 NPC Invite.pdf](#)

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Pam Dunning
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VIA E-MAIL

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Secretary of the Interior
Washington, D.C. 20240

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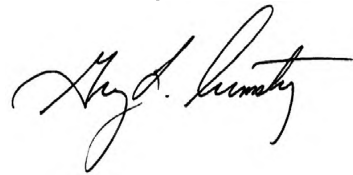
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The Honorable Ryan K. Zinke
November 26, 2018
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Greg L. Armstrong
Chair

Attachment

cc: Katharine S. MacGregor
Joseph R. Balash
Steven E. Winberg
Mark R. Maddox

**128th Meeting
of the
NATIONAL PETROLEUM COUNCIL**

Astor Ballroom
The St. Regis
923 Sixteenth Street, N.W.
Washington, D.C.
December 4, 2018
9:00 a.m.

Greg L. Armstrong
Chair

Hon. Rick Perry
Government Cochair

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