

2024 Current Fiscal Year Report: National Petroleum Council

Report Run Date: 04/24/2024 01:43:27 PM

1. Department or Agency

Department of Energy

2. Fiscal Year

2024

3. Committee or Subcommittee

National Petroleum Council

3b. GSA Committee No.

452

4. Is this New During Fiscal Year?

No

5. Current Charter

01/07/2022

6. Expected Renewal Date

01/07/2024

7. Expected Term Date

8a. Was Terminated During Fiscal Year?

No

8b. Specific Termination Authority

AGEN

8c. Actual Term Date

9. Agency Recommendation for Next Fiscal Year

Continue

10a. Legislation Req to Terminate?

No

10b. Legislation Pending?

Not Applicable

11. Establishment Authority

Agency Authority

12. Specific Establishment Authority

AGEN

13. Effective Date

05/03/1946

14. Committee Type

Continuing

14c. Presidential?

No

15. Description of Committee

National Policy Issue Advisory Board

16a. Total Number of Reports

No Reports for this Fiscal Year

17a.

Open

0

17b. Closed

0

17c. Partially Closed

0

Other Activities

0

17d. Total

0

Meetings and Dates

No Meetings

Current FY Next FY

18a(1). Personnel Pmts to Non-Federal Members

\$0.00 \$0.00

18a(2). Personnel Pmts to Federal Members	\$0.00	\$0.00
18a(3). Personnel Pmts to Federal Staff	\$0.00	\$0.00
18a(4). Personnel Pmts to Non-Member Consultants	\$0.00	\$0.00
18b(1). Travel and Per Diem to Non-Federal Members	\$0.00	\$0.00
18b(2). Travel and Per Diem to Federal Members	\$0.00	\$0.00
18b(3). Travel and Per Diem to Federal Staff	\$0.00	\$0.00
18b(4). Travel and Per Diem to Non-member Consultants	\$0.00	\$0.00
18c. Other(rents,user charges, graphics, printing, mail, etc.)	\$0.00	\$0.00
18d. Total	\$0.00	\$0.00
19. Federal Staff Support Years (FTE)	0.00	0.00

20a. How does the Committee accomplish its purpose?

The National Petroleum Council (NPC) is chartered to provide the Secretary of Energy with advice and recommendations on matters requested by the Secretary, relating to oil and natural gas, and the oil and natural gas industries. This purpose is largely accomplished through the conduct of studies. Matters that the Secretary would like to have considered by the NPC are submitted in the form of a letter outlining the nature and scope of the study. The NPC reserves the right to decide whether it will consider any matter referred to it. Over more than 75 years, the NPC has prepared over 200 reports dealing with virtually every aspect of oil and gas supply and demand. These reports have not only served as valuable tools in the development of energy policy but also have enabled government and industry to

anticipate and jointly seek solutions to current and future energy challenges. NPC reports are widely circulated and serve as references for energy analysts, industry and government decision makers, legislators, and academicians.

20b. How does the Committee balance its membership?

Members of the NPC are appointed by the Secretary of Energy and represent specific oil and gas industry sectors or related interests. These include balanced representation from among, but not limited to: integrated oil and natural gas companies; independent refiners, large and small independent oil and gas producers; midstream and retail oil and gas companies; construction, drilling, and oilfield services; financial and consultant services; electric companies and other large consumers; and non-industry or not-for-profit organizations such as academia, States, Native American Tribes, and professional societies.

20c. How frequent and relevant are the Committee Meetings?

The NPC meets in Washington, DC, once or twice a year and study groups meet as necessary. The time, place, and agenda of each Council and study group meeting are determined by its respective chair person, with the concurrence of the Department. The knowledge and experience that resides in the NPC provides a perspective on oil and natural gas issues and the oil and natural gas industries which is otherwise unavailable.

20d. Why can't the advice or information this committee provides be obtained elsewhere?

There are no other sources with the breadth, depth, and diversity of oil and gas technical and policy knowledge and expertise that the NPC

provides. No other federal advisory committee currently performs, or is capable of performing, the functions of the NPC. It would not be possible for the Department to duplicate the knowledge and expertise embodied in the Council and its study committees in addressing important oil and gas issues, e.g., by using alternative methods such as public hearings, contractor work efforts, or in-house study efforts.

20e. Why is it necessary to close and/or partially closed committee meetings?

N/A

21. Remarks

Originally established by the Department of the Interior in 1946 at the request of President Harry S. Truman and subsequently transferred to the Department of Energy in 1977, the National Petroleum Council (NPC) provides advice and recommendations to the Secretary of Energy on matters related to oil and natural gas, and the oil and natural gas industries. In 2021 and 2022, Energy Secretary Jennifer Granholm requested the NPC undertake three separate studies focused on deploying hydrogen energy at scale, reducing greenhouse gas emissions across the natural gas value chain, and a third condensed study on short-term actions and transition strategies in response to the changing global crude supply, continuing a tradition of NPC studies having the potential for broad public impact. The NPC held its 132nd Annual Meeting on December 14th, 2022, wherein the short-term actions and transition strategies study leaders presented two final reports to Secretary Granholm and Council Membership. The reports were unanimously approved and were soon after published. The anticipated completion dates for the remaining two

studies are April 2024. In 2019, the NPC completed three studies, requested by Secretary Rick Perry. The first provided recommendations on U.S. oil and natural gas transportation infrastructure, the second a roadmap to deploying carbon capture, use and storage technologies at scale, and the third provided a supplemental assessment to an earlier study on Arctic Potential. Prior studies also provided recommendations on matters of national importance, including strategic studies to inform government decision making on natural gas and oil infrastructure resilience (Emergency Preparedness for Natural Disasters), completed in December 2014, and Arctic Research, completed in March 2015, which were requested by Secretary Ernest Moniz. Energy challenges addressed in NPC study reports have included assessing the contribution that natural gas can make in a transition to a lower carbon energy mix, examining the prospects for integrating new fuels and vehicles into the marketplace while reducing greenhouse gas emissions in the U.S. transportation sector, ensuring prudent development of the Nation's abundant oil and gas resources, reducing the Nation's reliance on oil imports and oil use in the transportation sector, and reducing greenhouse gas emissions. Technology innovation, the capabilities of industry, and other factors will continue to be critical to meeting the future energy needs of American consumers and protecting the environment.

Designated Federal Officer

Brad Crabtree Assistant Secretary for Fossil
Energy and Carbon Management

Committee Members	Start	End	Occupation	Member Designation
Akers, J. Kevin	04/22/2022	12/31/2023	Atmos Energy Corporation	Representative Member

Allison, M. Jay	04/22/2022	12/31/2023	Comstock Resources, Inc.	Representative Member
Andress, Thurmon	04/22/2022	12/31/2023	Andress Oil & Gas Company LLC	Representative Member
Anthony, Robert	04/22/2022	12/31/2023	Oklahoma Corporation Commission	Representative Member
Armstrong, Alan	04/22/2022	12/31/2023	The Williams Companies, Inc.	Representative Member
Armstrong, Gregory	04/22/2022	12/31/2023	Plains All American Pipeline, L.P.	Representative Member
Armstrong, Robert	04/22/2022	12/31/2023	Armstrong Energy Corporation	Representative Member
Armstrong, William	04/22/2022	12/31/2023	Armstrong Oil & Gas, Inc.	Representative Member
Arnold, Gregory	04/22/2022	12/31/2023	The Arnold Companies	Representative Member
Bailey, Vicky	04/22/2022	12/31/2023	Anderson Stratton Enterprises, LLC	Representative Member
Barbosa, Filipe	04/22/2022	12/31/2023	McKinsey & Company, Inc.	Representative Member
Bastian, Edward	04/22/2022	12/31/2023	Delta Air Lines, Inc.	Representative Member
Blasingame, Thomas A.	04/22/2022	12/31/2023	Harold T. Vance Department of Petroleum Engineering, Texas A&M University	Representative Member
Bobb, Stevan	04/22/2022	12/31/2023	BNSF Railway Company	Representative Member
Book, Kevin	04/22/2022	12/31/2023	ClearView Energy Partners, LLC	Representative Member
Bordoff, Jason	04/22/2022	12/31/2023	Center on Global Energy Policy, Columbia University	Representative Member
Braziel, E. Russell	04/22/2022	12/31/2023	RBN Energy, LLC	Representative Member
Brigham, Ben M.	04/22/2022	12/31/2023	Atlas Sand Company, LLC	Representative Member
Brown, Daniel E.	04/22/2022	12/31/2023	Oasis Petroleum Inc.	Representative Member
Brown, Maryam S.	04/22/2022	12/31/2023	Southern California Gas Company	Representative Member
Brownstein, Mark S.	04/22/2022	12/31/2023	Environmental Defense Fund	Representative Member
Bruner, Jeffrey	04/22/2022	12/31/2023	Iroquois Pipeline Operating Company	Representative Member
Burman, Diane	04/22/2022	12/31/2023	New York State Public Service Commission	Representative Member

Caplan, Deborah	04/22/2022	12/31/2023	NextEra Energy, Inc.	Representative Member
Catell, Robert B.	04/22/2022	12/31/2023	Advanced Energy Research and Technology Center, Stony Brook University	Representative Member
Cherechinsky, David A.	02/22/2023	12/31/2023	DistributionNOW	Representative Member
Chiang, W. C. W.	04/22/2022	12/31/2023	Plains All American Pipeline, L.P.	Representative Member
Christmann IV, John J.	04/22/2022	12/31/2023	APA Corporation	Representative Member
Cleveland, Ralph	04/22/2022	12/31/2023	American Association of Blacks in Energy	Representative Member
Conner, Carlin G.	04/22/2022	12/31/2023	International-Matex Tank Terminals	Representative Member
Constable, David E.	04/22/2022	12/31/2023	Fluor Corporation	Representative Member
Cordova, Tammy	08/02/2023	12/31/2023	Public Utility Commission of Nevada, State of Nevada	Representative Member
Craddick, Christi	04/22/2022	12/31/2023	Railroad Commission of Texas, State of Texas	Representative Member
Croft, Helima	04/22/2022	12/31/2023	RBC Capital Markets Corporation	Representative Member
Crooks, Edmund	04/22/2022	12/31/2023	Wood Mackenzie Inc.	Representative Member
Crow, Trammel	04/22/2022	12/31/2023	EarthX	Representative Member
Custard, III, W. Allen	04/22/2022	12/31/2023	Pitts Oil Company, LLC	Representative Member
Custard, William	04/22/2022	12/31/2023	Dallas Production, Inc.	Representative Member
Davidson, Charles	04/22/2022	12/31/2023	Quantum Energy Partners	Representative Member
De Hoyos, Roberto	04/22/2022	12/31/2023	Tenaris Global Services	Representative Member
Deming, Claiborne	04/22/2022	12/31/2023	Murphy USA, Inc.	Representative Member
Descalzi, Claudio	04/22/2022	12/31/2023	Eni S.p.A.	Representative Member
Dismukes, David	04/22/2022	12/31/2023	Center for Energy Studies, Louisiana State University	Representative Member
Duke, Leslie	08/02/2023	12/31/2023	Burns & McDonnell Engineering Company, Inc.	Representative Member

Dunn, W. Byron	04/22/2022	12/31/2023	Tubular Synergy Group, LP	Representative Member
Ebel, Gregory L.	02/22/2023	12/31/2023	Enbridge, Inc.	Representative Member
England, John	04/22/2022	12/31/2023	Deloitte LLP	Representative Member
Espinoza, Neva M.	02/22/2023	12/31/2023	Electric Power Research Institute	Representative Member
Esslemont, Alexander	04/22/2022	12/31/2023	Parker Wellbore	Representative Member
Evanko, Jillian C.	04/22/2022	12/31/2023	Chart Industries, Inc.	Representative Member
Feige, Corri	04/22/2022	12/31/2023	Terra Piniun LLC	Representative Member
Fesharaki, Fereidun	04/22/2022	12/31/2023	FACTS Global Energy	Representative Member
Fish, James	04/22/2022	12/31/2023	Waste Management, Inc.	Representative Member
Fisher, Bryan K.	08/02/2023	12/31/2023	Rocky Mountain Institute	Representative Member
Flores, James	04/22/2022	12/31/2023	Sable Minerals, Inc.	Representative Member
Foutch, Randy	04/22/2022	12/31/2023	Helmerich & Payne, Inc.	Representative Member
Fox, Ann G.	04/22/2022	12/31/2023	Nine Energy Service, Inc.	Representative Member
Fox, Mark N.	04/22/2022	12/31/2023	Mandan, Hidatsa, and Arikara Nation	Representative Member
Fusco, Jack A.	04/22/2022	12/31/2023	Cheniere Energy, Inc.	Representative Member
Gant, Paula A.	08/02/2023	12/31/2023	GTI Energy	Representative Member
Gee, Robert W.	04/22/2022	12/31/2023	Gee Strategies Group, LLC	Representative Member
Gentle, Meg A.	08/02/2023	12/31/2023	HIF Global	Representative Member
Gentoso, Jamie M.	04/22/2022	12/31/2023	Holcim Ltd.	Representative Member
Ghasemi, Seifi	04/22/2022	12/31/2023	Air Products and Chemicals, Inc.	Representative Member
Gibbs, James	04/22/2022	12/31/2023	Five States Energy Company, LLC	Representative Member
Glendon, David	04/22/2022	12/31/2023	Sprague Resources LP	Representative Member
Glover, Paula	04/22/2022	12/31/2023	Alliance to Save Energy	Representative Member
Golden, Christopher	04/22/2022	12/31/2023	Equinor US	Representative Member
Goldstein, Lawrence	04/22/2022	12/31/2023	Energy Policy Research Foundation, Inc.	Representative Member
Gorder, Joseph	04/22/2022	12/31/2023	Valero Energy Corporation	Representative Member

Gould, Andrew F. J.	04/22/2022	12/31/2023	Kayrros SAS	Representative Member
Graff, Michael	04/22/2022	12/31/2023	American Air Liquide Holdings, Inc.	Representative Member
Graham, Jay C.	04/22/2022	12/31/2023	Spur Energy Partners LLC	Representative Member
Grzebinski, David W.	04/22/2022	12/31/2023	Kirby Corporation	Representative Member
Hackett, James	04/22/2022	12/31/2023	Tessellation Services, LLC	Representative Member
Hadrick, Kourtney K.	04/22/2022	12/31/2023	Southern Ute Indian Tribe Growth Fund	Representative Member
Harju, John	04/22/2022	12/31/2023	Energy and Environmental Research Center, University of North Dakota	Representative Member
Hastings, Marilu	04/22/2022	12/31/2023	Cynthia and George Mitchell Foundation	Representative Member
Hess, John	04/22/2022	12/31/2023	Hess Corporation	Representative Member
Hightower, Jack	04/22/2022	12/31/2023	HighPeak Energy	Representative Member
Hightower, Stephen	04/22/2022	12/31/2023	Hightowers Petroleum Co.	Representative Member
Hildebrand, Jeffery	04/22/2022	12/31/2023	Hilcorp Energy Company	Representative Member
Hoglund, Forrest	04/22/2022	12/31/2023	SeaOne Holdings, LLC	Representative Member
Holliday, Charles O.	02/22/2023	12/31/2023	Mission Possible Partnership	Representative Member
Hollub, Vicki	04/22/2022	12/31/2023	Occidental Petroleum Corporation	Representative Member
Houston, Martin	04/22/2022	12/31/2023	Tellurian Inc.	Representative Member
Hunt, Hunter	04/22/2022	12/31/2023	Hunt Consolidated Energy LLC	Representative Member
Hunt, Ray	04/22/2022	12/31/2023	Hunt Consolidated, Inc.	Representative Member
Imaz, J. Jon	04/22/2022	12/31/2023	Repsol	Representative Member
Jenkins, Roger	04/22/2022	12/31/2023	Murphy Oil Corporation	Representative Member
Jorden, Thomas E.	04/22/2022	12/31/2023	Coterra Energy Inc.	Representative Member
Kendall, Christian	04/22/2022	12/31/2023	Denbury Inc.	Representative Member
Keohane, Nathaniel O.	02/22/2023	12/31/2023	Center for Climate and Energy Solutions	Representative Member

Kerr II, James Y.	08/02/2023	12/31/2023	Southern Company Gas	Representative Member
Killinger, Elizabeth	04/22/2022	12/31/2023	NRG Energy, Inc.	Representative Member
Kimbrel, D. Ethan	04/22/2022	12/31/2023	Illinois Commerce Commission	Representative Member
Krenicki, John	04/22/2022	12/31/2023	Clayton, Dubilier, & Rice, LLC	Representative Member
Kuuskraa, Vello	04/22/2022	12/31/2023	Advanced Resources International, Inc.	Representative Member
Lance, Ryan	04/22/2022	12/31/2023	ConocoPhillips Company	Representative Member
Larson, Roderick	04/22/2022	12/31/2023	Oceaneering International, Inc.	Representative Member
Lashier, Mark E.	02/22/2023	12/31/2023	Phillips 66 Company	Representative Member
Lawler, David	04/22/2022	12/31/2023	BP America Inc.	Representative Member
Layton, Stephen	04/22/2022	12/31/2023	E&B Natural Resources Management Corporation	Representative Member
Le Peuch, Olivier	04/22/2022	12/31/2023	Schlumberger Limited	Representative Member
Lieuwen, Timothy	04/22/2022	12/31/2023	The Strategic Energy Institute, Georgia Institute of Technology	Representative Member
Linn, Michael	04/22/2022	12/31/2023	MCL Ventures LLC	Representative Member
Little, Melanie A.	08/02/2023	12/31/2023	Colonial Pipeline Company	Representative Member
Majumdar, Arunava J.	04/22/2022	12/31/2023	Stanford University	Representative Member
Marsden, Paul D.	04/22/2022	12/31/2023	Bechtel Corporation	Representative Member
Marsh, Andrew S.	08/02/2023	12/31/2023	Entergy Corporation	Representative Member
McAnnally, Robert S.	04/22/2022	12/31/2023	ONE Gas, Inc.	Representative Member
McClelland, Kelly	04/22/2022	12/31/2023	Offshore Inspection Group. Inc.	Representative Member
McCracken, Brendan M.	04/22/2022	12/31/2023	Ovintiv Inc.	Representative Member
McFarland, Mark	04/22/2022	12/31/2023	California Resources Corporation	Representative Member
McQuade, Rae	04/22/2022	12/31/2023	North American Energy Standards Board	Representative Member
Medlock, Kenneth	04/22/2022	12/31/2023	Rice University	Representative Member

Mehnert, Katie	04/22/2022	12/31/2023	ALLY Energy	Representative Member
Michael, Chad	04/22/2022	12/31/2023	Tudor, Pickering, Holt & Co., LLC	Representative Member
Miller, David	04/22/2022	12/31/2023	EnCap Investments L.P.	Representative Member
Miller, Jeffrey	04/22/2022	12/31/2023	Halliburton Company	Representative Member
Miller, Mark	04/22/2022	12/31/2023	Merlin Oil & Gas, Inc.	Representative Member
Muguiro, Jaime	04/22/2022	12/31/2023	CEMEX USA	Representative Member
Murfin, David L.	04/22/2022	12/31/2023	Murfin Drilling Co., Inc.	Representative Member
Murphy, Mark	04/22/2022	12/31/2023	Strata Production Company	Representative Member
Newell, Richard	04/22/2022	12/31/2023	Resources for the Future	Representative Member
Nez, Rickie	04/22/2022	12/31/2023	24th Navajo Nation Council, Navajo Nation	Representative Member
Nichols, J. Larry	04/22/2022	12/31/2023	Devon Energy Corporation	Representative Member
Norton, Pierce	04/22/2022	12/31/2023	ONEOK, Inc.	Representative Member
O' Neill, Meg E.	04/22/2022	12/31/2023	Woodside Energy Ltd.	Representative Member
Paque, Michel	04/22/2022	12/31/2023	Ground Water Protection Council	Representative Member
Paul, Donald	04/22/2022	12/31/2023	University of Southern California	Representative Member
Perciasepe, Robert W.	04/22/2022	12/31/2023	Center for Climate and Energy Solutions	Representative Member
Perez, Jose L.	04/22/2022	12/31/2023	Hispanics in Energy	Representative Member
Pferdehirt, Douglas	04/22/2022	12/31/2023	TechnipFMC plc	Representative Member
Phillips, Robert G.	04/22/2022	12/31/2023	Crestwood Equity Partners LP	Representative Member
Poirier, Francois L.	04/22/2022	12/31/2023	TC Energy Corporation	Representative Member
Pouyanne', Patrick	04/22/2022	12/31/2023	TotalEnergies SE	Representative Member
Price, Jonathan G.	04/22/2022	12/31/2023	American Geosciences Institute	Representative Member
Query, K. Rex	04/22/2022	12/31/2023	Nucor Corporation	Representative Member
Reichert, Emily L.	04/22/2022	12/31/2023	Greentown Labs	Representative Member
Robertson, Corbin	04/22/2022	12/31/2023	Quintana Minerals Corporation	Representative Member

Rock, Rex A.	04/22/2022	12/31/2023	Arctic Slope Regional Corporation	Representative Member
Rogers, Matthew	04/22/2022	12/31/2023	Mission Possible Partnership	Representative Member
Russo, Todd J.	02/22/2023	12/31/2023	Buckeye Partners, L.P.	Representative Member
Schatzman, Matthew	04/22/2022	12/31/2023	NextDecade Corporation	Representative Member
Schuller, Tisha	04/22/2022	12/31/2023	Adamantine Energy LLC	Representative Member
Seligmann, Peter	04/22/2022	12/31/2023	Conservation International	Representative Member
Sheffield, Scott D.	04/22/2022	12/31/2023	Pioneer Natural Resources Company	Representative Member
Sikhtian, Suhail	04/22/2022	12/31/2023	Goldman Sachs & Co. LLC	Representative Member
Simonelli, Lorenzo	04/22/2022	12/31/2023	Baker Hughes Company	Representative Member
Slattery, Geraldine A.	04/22/2022	12/31/2023	BHP Billiton	Representative Member
Slifka, Eric	04/22/2022	12/31/2023	Global Partners LP	Representative Member
Somasundaram, Sivasankaran	08/02/2023	12/31/2023	ChampionX Corporation	Representative Member
Spath, Jeffrey	04/22/2022	12/31/2023	Harold T. Vance Department of Petroleum Engineering, Texas A&M University	Representative Member
Stedman, Bert	04/22/2022	12/31/2023	State of Alaska (The Energy Council)	Representative Member
Taylor, Cindy	04/22/2022	12/31/2023	Oil States International, Inc.	Representative Member
Teague, A. James	04/22/2022	12/31/2023	Enterprise Products Partners L.P.	Representative Member
Tew, Berry	04/22/2022	12/31/2023	Geological Survey of Alabama, State of Alabama	Representative Member
Tillman, Lee	04/22/2022	12/31/2023	Marathon Oil Corporation	Representative Member
Tinker, Scott	04/22/2022	12/31/2023	Jackson School of Geosciences, The University of Texas	Representative Member
Tosch, William	04/22/2022	12/31/2023	J. P. Morgan Securities LLC	Representative Member
True, III, H.A.	04/22/2022	12/31/2023	True Oil LLC	Representative Member
Tudor, Bobby	04/22/2022	12/31/2023	Artemis Energy Partners	Representative Member

Umpleby, D. James	04/22/2022	12/31/2023	Caterpillar Inc.	Representative Member
Vennerberg, Vaughn	04/22/2022	12/31/2023	Ossian Oil and Gas Partners	Representative Member
Verrastro, Frank	04/22/2022	12/31/2023	Center for Strategic & International Studies	Representative Member
Vincent-Collawn, Patricia	04/22/2022	12/31/2023	PNM Resources	Representative Member
Vincent, Bruce	04/22/2022	12/31/2023	Vincent & Company	Representative Member
Voorberg, Richard	02/22/2023	12/31/2023	Siemens Energy, Inc.	Representative Member
Walker, John	04/22/2022	12/31/2023	EnerVest, Ltd.	Representative Member
Wallace, John	04/22/2022	12/31/2023	DeGolyer and MacNaughton	Representative Member
Warner, Cynthia	04/22/2022	12/31/2023	Renewable Energy Group, Inc.	Representative Member
Warren, Kelcy	04/22/2022	12/31/2023	Energy Transfer L.P.	Representative Member
Warunek, Anastacia B.	08/02/2023	12/31/2023	Cenergy International Services, Inc.	Representative Member
Watkins, Gretchen	04/22/2022	12/31/2023	Shell Oil Company	Representative Member
Way, William	04/22/2022	12/31/2023	Southwestern Energy Company	Representative Member
West, J. Robinson	04/22/2022	12/31/2023	Center for Energy Impact, The Boston Consulting Group	Representative Member
Westhoven, Stephen D.	04/22/2022	12/31/2023	New Jersey Resources Corporation	Representative Member
White, William	04/22/2022	12/31/2023	Lazard Freres & Co. LLC	Representative Member
Williams, Clay C.	04/22/2022	12/31/2023	NOV, Inc.	Representative Member
Wilson, Mary Jane	04/22/2022	12/31/2023	WZI Inc.	Representative Member
Wirth, Michael	04/22/2022	12/31/2023	Chevron Corporation	Representative Member
Woods, Darren	04/22/2022	12/31/2023	Exxon Mobil Corporation	Representative Member
Wright, Alex W.	02/22/2023	12/31/2023	Ariel Corporation	Representative Member
Wrotenbery, Lori	04/22/2022	12/31/2023	Interstate Oil and Gas Compact Commission (IOGCC)	Representative Member
Yacob, Ezra Y.	04/22/2022	12/31/2023	EOG Resources, Inc.	Representative Member

Yates, George	04/22/2022	12/31/2023	HEYCO Energy Group, Inc.	Representative Member
Yergin, Daniel	04/22/2022	12/31/2023	S&P Global Platts	Representative Member

Number of Committee Members Listed: 188

Narrative Description

The findings and recommendations of NPC studies support more informed energy-related public policy decisions and the achievement of Department of Energy and Administration goals related to energy, the environment, and the economy, including actions to support U.S. energy security, enable responsible development of domestic oil and natural gas resources, and strengthen the Nation's infrastructure.

What are the most significant program outcomes associated with this committee?

	Checked if Applies
Improvements to health or safety	<input type="checkbox"/>
Trust in government	<input type="checkbox"/>
Major policy changes	<input checked="" type="checkbox"/>
Advance in scientific research	<input type="checkbox"/>
Effective grant making	<input type="checkbox"/>
Improved service delivery	<input type="checkbox"/>
Increased customer satisfaction	<input type="checkbox"/>
Implementation of laws or regulatory requirements	<input type="checkbox"/>
Other	<input checked="" type="checkbox"/>

Outcome Comments

Prior outcomes have included more informed decisions by state and federal government on policy, research, and regulatory initiatives with substantial public benefit.

What are the cost savings associated with this committee?

	Checked if Applies
None	<input type="checkbox"/>
Unable to Determine	<input type="checkbox"/>

Under \$100,000	<input type="checkbox"/>
\$100,000 - \$500,000	<input type="checkbox"/>
\$500,001 - \$1,000,000	<input type="checkbox"/>
\$1,000,001 - \$5,000,000	<input type="checkbox"/>
\$5,000,001 - \$10,000,000	<input type="checkbox"/>
Over \$10,000,000	<input type="checkbox"/>
Cost Savings Other	<input type="checkbox"/>

Cost Savings Comments

The NPC's 2003 natural gas study showed that a balanced approach to future public policy decision making to increase energy efficiency, develop of new resources, and enable flexibility in fuel choice, could save U.S. consumers \$1 trillion in U.S. natural gas costs over the next 20 years. Other NPC studies have addressed topics of similar economic significance. For example, the NPC's 2019 Roadmap to At-Scale Deployment of Carbon Capture, Use, and Storage (CCUS) report concluded that investments in at-scale deployment of CCUS could generate \$20.8 billion in annual GDP. The NPC's 2015 Arctic Potential study identified actions that would benefit the people of the North and the U.S. as a whole, and position the U.S. to exercise global leadership. Oil and gas development represented one-third of the State of Alaska's economic activity and provided 90% of the State's general funds in 2014. Projected net revenues to the State from Arctic OCS development if pursued were estimated to be about \$6.6 billion over 50 years. The NPC's 2014 Emergency Preparedness study, and its 2016 Emergency Preparedness Implementation Addendum report, identified actions to continuously improve and ensure a state of readiness to respond to oil and gas supply chain disruptions arising from natural disasters; such actions can mitigate impacts on consumers and regional economies. The NPC's 2012 Future Transportation Fuels study identified technologies that could increase vehicle fuel economy and reduce greenhouse gas emissions from American transportation. Recommendations in the NPC's 2011 report on Prudent Development of North America's abundant natural gas and oil resources were evaluated from the perspectives of economic prosperity, environmental sustainability, and energy security. And, the potential benefits in all three areas were substantial. The NPC's 2007 study on global oil and natural gas provided insights for shaping energy policy that strengthens global energy security, economic prosperity, and environmental stewardship. The NPC's 2004 study on U.S. petroleum refining and inventories highlighted government actions that could enable petroleum markets to operate more efficiently or avoid significant petroleum product supply disruptions.

What is the approximate Number of recommendations produced by this committee for the life of the committee?

Number of Recommendations Comments

Based on prior experience, many NPC studies result in approximately 14 major recommendations, and some yield considerably more. In 75 years, the NPC has prepared over 200 reports dealing with virtually every aspect of oil and gas supply and demand. These reports have not only served as valuable tools in the development of energy policy but also have enabled government and industry to anticipate and jointly seek solutions to current and future energy challenges. The NPC 2022 Short-term Actions and Transition Strategies reports contain approximately 18 high-level recommendations provided to encourage actions to increase petroleum supply and improve resilience while also advancing industry progress to reaching net zero emissions. The NPC 2019 CCUS report provided approximately 60 recommendations that would enable three phases of deployment for CCUS technologies – activation, expansion, and at-scale. Some NPC study reports have tiered recommendations, e.g., the NPC 2019 Arctic Supplemental Assessment to its 2015 Arctic Potential Report included 4 overarching recommendations and more than 30 detailed recommendations to support implementation. The NPC 2015 report included 32 recommendations in the Executive Summary, made up of 13 research, 3 regulatory, and 16 leadership/policy recommendations, as well as an additional 60 research recommendations in the report chapters.

What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?

30%

% of Recommendations Fully Implemented Comments

Estimates of how many NPC recommendations have been implemented may be subjective as NPC recommendations range in scope, specificity, and timing. NPC recommendations often encompass broad public policy strategies for addressing the Nation's energy challenges. The implementation timespan for some recommendations such as those to enhance natural gas supply diversity or to sustain and enhance natural gas infrastructure, could span decades. Additionally, NPC recommendations may call for action by industry and/or government (including Congress, states, one or more federal agencies, or some combination).

What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?

45%

% of Recommendations Partially Implemented Comments

Prior assessments have shown that government has made substantial progress in implementing up to 75% of the recommendations in some NPC studies. However, as discussed above, estimates of how many NPC recommendations have been implemented may be subjective. For example, the NPC's 2003 natural gas study resulted in four overarching recommendations to: 1) improve demand flexibility and efficiency, 2) increase supply diversity, 3) sustain and enhance natural gas infrastructure, and 4) promote efficiency of natural gas markets, and over 60 supporting recommendations.

Recommendations from the NPC's 2004 study on U.S. petroleum refining and inventories were more granular and addressed topics such as new source review reform, national ambient air quality standards, ultra low sulfur diesel regulations, national energy legislation, sound science, cost-effectiveness and energy analysis, and permitting, and actions by government on these topics continue to evolve. Numerous recommendations in these 2003 and 2004 NPC studies were reflected in national energy plans and initiatives, as well as provisions of the Energy Policy Act of 2005. Many factors determine the pace and extent to which NPC report recommendations are implemented including perceptions pertaining to DOE's mission and the availability of funding or other capabilities. The NPC's 2007 study report on global oil and gas outlined five core strategies to enable industry and government to more adequately address evolving trends in U.S. and global energy supply and demand, and contained over 40 supporting recommendations, which broadly helped to shape public and private sector dialogue, policy and investment on a range of topics including energy efficiency, carbon management, fuel diversity, and the geopolitics of energy for several years. Recommendations from the NPC's 2011 Prudent Development study report reflected five core strategies to support prudent natural gas and oil resources development and regulation; better reflect environmental impacts in markets and fuel technology choices; enhance the efficient use of energy; enhance the functioning of energy markets; and, support the development of a skilled workforce. Notably, this reported provided the foundation for a multiagency research collaboration initiative on unconventional oil and gas resources, as wells as the impetus for industry standards for prudent resource development and standards for contracting between natural gas suppliers and power sectors. Recommendations in the NPC's 2012 Future Transportation study report called on government to promote sustained funding and other resources, either separately or in combination with industry, on the pre-competitive aspects of 12 priority technologies, as well as in areas that could lead to disruptive innovations. The report informed public and private sector research program plans and analyses for many years. The NPC's 2015 Arctic Potential study report included 32 recommendations in the executive summary addressing research, regulatory improvements, and leadership/policy considerations that aligned well with the Administration's all-of-the-above energy strategy and early U.S. Arctic policy, and an additional 60 specific research recommendations.

Some years hence DOE established an Arctic Energy Office. The 2019 NPC Dynamic Delivery study report made recommendations to increase the efficiency and effectiveness of permitting processes for oil and gas transportation infrastructure and regulatory reform efforts, while promoting more rapid development and implementation of technology to increase transportation safety and integrity. Many of these recommendations are relevant to policy, regulatory and research initiatives being pursued by industry and government, such as reauthorization of Title 41 of the Fixing America's Surface Transportation Act. The 2019 CCUS study report provided a roadmap for deploying CCUS technologies at scale within the U.S., based on technology, policy, and regulatory actions across three phases (activation, expansion, and at-scale) to achieve widespread CCUS deployment over the next 25 years. The report included specific recommendations on clarifications to requirements of Section 45Q tax credit, which informed the Internal Revenue Service's subsequent guidance on Section 45Q. It also helped to catalyze actions being pursued by states to further the deployment of CCUS, and called on Congress to appropriate expanded funding for DOE RD&D on new and emerging CCUS technologies (\$15 billion over ten years), as embodied in bipartisan infrastructure and jobs legislation in 2022 and 2023.

Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?

Yes ☒ No ☐ Not Applicable ☐

Agency Feedback Comments

Feedback is provided to NPC members on the value of the committee's studies and recommendations through remarks made by the Secretary of Energy and Deputy Secretary of Energy at NPC meetings, by periodic reports on progress made to implement NPC recommendations, by DOE sharing information on the status of government actions related to NPC recommendations, and the frequent use of, or reference to, NPC studies by DOE and other government agencies. For example, in January 2008, the Secretary of Energy distributed copies of the Hard Truths report to all members of Congress and State governors. In May 2008, the Secretary sent a letter to the Council Chair that included a DOE review of actions taken by government consistent with recommendations contained in the NPC's 2007 Hard Truths report; and copies were subsequently provided to all NPC members. From 2011 through 2022, the work of the NPC had clear linkages to goals outlined in various government initiatives including the Blueprint for a Secure Energy Future, Quadrennial Energy Review, Quadrennial Energy Technology Review, National Strategy for the Arctic Region, and American Energy Independence. Insights from the ongoing hydrogen and greenhouse gas emissions studies will support Administration objectives for achieving net zero greenhouse gas emissions by 2050. The public can

obtain this information on the committee's website.

What other actions has the agency taken as a result of the committee's advice or recommendation?

Checked if Applies

Reorganized Priorities	<input checked="" type="checkbox"/>
Reallocated resources	<input type="checkbox"/>
Issued new regulation	<input type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input type="checkbox"/>
Other	<input checked="" type="checkbox"/>

Action Comments

Findings and recommendations from NPC studies serve as valuable input for government program and policy decision making. Technical data and insights on evolving oil and gas industry trends also inform energy forecasts prepared by the Energy Information Administration, an independent statistical agency of DOE.

Is the Committee engaged in the review of applications for grants?

No

Grant Review Comments

NA

How is access provided to the information for the Committee's documentation?

Checked if Applies

Contact DFO	<input type="checkbox"/>
Online Agency Web Site	<input checked="" type="checkbox"/>
Online Committee Web Site	<input checked="" type="checkbox"/>
Online GSA FACA Web Site	<input type="checkbox"/>
Publications	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Access Comments

Additional information about this advisory committee, including an electronic repository of NPC study reports, is available at <https://www.energy.gov/fecm/national-petroleum-council-npc>. Two NPC studies ongoing in FY2023 are anticipated to be completed in FY2024.

