

THE Energy Council Quarterly

WINTER

2019

Neville Elected Chairman of the Energy Council for 2019-2020

New Mexico Senator Steven Neville was unanimously elected Chairman of The Energy Council for 2019-2020 on September 20 at the Council's 2019 Annual Meeting in Anchorage, Alaska.

Senator Neville has served in the New Mexico Senate since 2005. He serves as the Ranking Member of the Senate Finance Committee. He also serves on the Legislative Finance; Interim Legislative Ethics; and the Investments and Pensions Oversight Committees.



Steven Neville
New Mexico Senator

Chairman Neville, and his wife Tammy, make their home in Aztec.

The 2019 Annual Meeting held in Anchorage, Alaska



Photo Credit: Governor's Office, Austin McDaniel

Alaska Governor Mike Dunleavy (center) delivered the Opening Address at The Energy Council's 2019 Annual Meeting. The conference covered topics ranging from "Grid Modernization with Equity in Mind" to the "Domestic Impacts of Alaska's Role in Global Energy Trade." Governor Dunleavy was thanked by (left to right) Alaska's Co-Vice Presidents for the meeting Senator Bert Stedman and Senate President Cathy Giessel, The Outgoing Chairman of The Energy Council, Kansas Representative Kyle Hoffman and the Outgoing Chairman of CLEER, Arkansas Representative Ken Bragg. See story on page 3.



The Energy Council Quarterly is the official publication of the Energy Council, a legislative organization comprised of 14 states and two international affiliates, drawn from the major energy producing regions of the United States and Canada. The Energy Council provides a forum for discussing government policies regarding energy and the environment.

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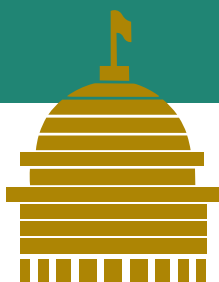
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Tell us what you think!

We welcome your suggestions and feedback. Please email erichards@theenergycouncil.org



The Energy Council to Meet in The Mountain State

The Energy Council will hold its 2019 Global Energy and Environmental Issues Conference in White Sulphur Springs, West Virginia on December 5-7. Presiding over the conference is Chairman of the Energy Council, New Mexico Senator Steve Neville; Mississippi Representative Angela Cockerham, Chairman of the Center for Legislative Energy and Environmental Research (CLEER); and West Virginia Delegate Bill Anderson, Vice President for the Global Issues Conference.

The meeting will begin on Thursday evening, December 5, with a Welcome Reception and conclude on Saturday evening, December 7 with a closing night dinner.

Among the topics expected to be covered at the 2019 Global Energy and Environmental Issues Conference are:

- Past Energy Trends and World Energy Outlook
- Grid Edge Technologies
- Increasing Crude Oil Pipeline Capacity between Canada and the U.S.
- Environmental, Social, and Governance Decision Making
- Innovations in Carbon Capture
- Nuclear Power Innovations and Advancements
- International Coal Demand
- U.S./Mexico Natural Gas Pipeline Expansion
- Interconnection and Electricity Exports and Imports
- UAB Seminar: Fossil Energy Research and Development

More information is available at www.theenergycouncil.org.

Cockerham to Chair CLEER in 2019-2020

Mississippi Representative Angela Cockerham was unanimously elected as 2019-2020 Chairman of the Center for Legislative Energy and Environmental Research (CLEER) during the CLEER Business Meeting on September 20, at the 2019 Annual Meeting in Anchorage, Alaska.

Chairman Cockerham will oversee the work of CLEER's two advisory boards, the private sector Program Advisory Board (PAB) and the technical advisory arm, the University Advisory Board (UAB). She will also lead CLEER's legislative Board of Directors.

Representative Cockerham is serving her third term in the Mississippi House of Representatives. She serves as Chair of Judiciary B and Vice-Chair of the Management Committee. She also serves on the Apportionment and Elections; Compilation, Revision and Publication; Education; Energy; Ethics; Judiciary A; Judiciary En Banc; Legislative Budget; Performance Based Budgeting; and Wildlife, Fisheries and Parks Committees.



Angela Cockerham
Mississippi
Representative

Chairman Cockerham makes her home in Magnolia.

2019 Annual Meeting in Anchorage

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The 2019 Annual Meeting took place September 19-22 in Anchorage, Alaska. Presiding over the meeting was Chairman of the Energy Council, Kansas Representative Kyle Hoffman, and Chairman for the Center for Legislative Energy and Environmental Research (CLEER), Arkansas Representative Ken Bragg. Alaska Senators Cathy Giessel and Bert Stedman served as Co-Vice Presidents for the Annual Meeting, assisting with leadership duties for the conference.

The Opening Breakfast Keynote Address was given by The Honorable Michael Dunleavy, Governor of Alaska. Governor Dunleavy warmly welcomed The Energy Council back to the state after eight years. "We are rich in energy in the United States and in Alaska," Governor Dunleavy said. "The issues going forward are more political than technological or resource driven."

The U.S. has the resources currently to drive energy costs down for all of us including some of the poorest people on the planet who do not have electricity, Dunleavy stressed. At a time when there is an abundance of energy, approximately two-billion people do not have access to

electricity. According to the Governor, even with the large inventories of energy, there are gathering forces that are preventing the search for more energy and transporting that energy so that costs are lowered around the world. That will be the ongoing challenge, Dunleavy said. Politics is going to determine which states, provinces and countries prosper. It is not going to be about can we find more oil. It is going to be about are we going to be allowed to market those products and bring the price of energy down, Governor Dunleavy concluded.

The Governor took an opportunity to briefly discussed the Partnership to build a 1,500-mile rail connection between Alaska and Canada. The project already has the full support of the Alaska House and Senate, both of which passed resolutions supporting the enterprise. This milestone agreement will help assure global investors that obtaining a right-of-way in Alaska is achievable, and sets up major cooperation in permitting, operations, and marketing with the Alaska Railroad. This partnership is projected to generate significant economic activity in Alaska and Canada.

Next on the agenda was Mr. Bryan Bennett, General Manager, NET Power Commercial Plant Development, Exelon Generation. He reported on "Unconventional Unconventionals." Mr. Bennett explained that NET Power is an innovative technology, which produces electricity from natural gas with zero emissions and very low water consumption. He stated that the technology is currently being tested at a demonstration plant in LaPorte, Texas. Efforts to develop commercial scale NET Power plants are currently underway in several regions. NET Power can be an effective part of an overall carbon intensity reduction program.

"The Challenges of a 100 Percent Renewable Energy Future" was given by Mr. Chris Rose, Founder and Executive Director, Renewable Energy Alaska Project. Mr. Rose provided an overview of renewable energy projects currently in Alaska. He stated that policy changes would be necessary to transform Alaska's domestic energy consumption to

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2019 Annual Meeting in Anchorage

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increase the amounts of local, clean and stably priced renewable energy. In his closing, he said that there is a fundamental importance of energy efficiency, and there is potential for exporting the state's growing expertise in integrating renewables into small, isolated microgrids to the rest of the world.

The next discussion on "Domestic Impacts of Alaska's Role in Global Energy Trade," was given by Jonathan Katcher, who presented this topic on behalf of The Honorable Mead Treadwell, Former Lt. Governor of Alaska and Former Chair of the U.S. Arctic Research Commission.

Mr. Katcher explained that Alaska figures in highly to new domestic production prospects in both the US and Canada. US legislation to promote greater cooperation in Arctic shipping, despite differences in national views of what are and are not national waters in the Arctic, may offer additional energy shipping options.

Mr. Katcher stated that stranded natural gas in the North Slope and Mackenzie Delta have new export options with direct shipment offshore. Offshore projects, which are in limbo now due to a U.S. Presidential Order and a Premier-led moratorium in Canada, face similar challenges. The United States and Canada challenges with China figure strongly in development of Arctic resources, as does competition with Arctic Russia for Asian markets—a competition also shaped by common security concerns.

Addressing "Integrating the Next Generation of Transportation and Energy Infrastructure" was Dr. Paul Metz, Professor of Geological Engineering, University of Alaska -- Fairbanks. Dr. Metz detailed the

construction of the 1,740 km Alaska-Canada Link (ACRL) between Fort Nelson, BC and Delta Junction.

Dr. Metz stated that with Alaska joining the North American rail system, the Alaska Railroad will result in tremendous economic and strategic benefits to Canada and the U.S. The ACRL, along with the Alberta Extension eastward from Fort Nelson, B.C. to Fort McMurray, Alberta and the North Slope Extension from Fairbanks to Prudhoe Bay, Alaska will provide additional east-west access to the Pacific Ocean and for first-time rail access to the Arctic Ocean. Furthermore, the ACRL System will provide benefits to the local regions through which it transects, and will connect transportation and energy infrastructure serving northwestern Canada and Alaska to world markets. The economic benefits of the ACRL construction are consistent with the Canadian government's desire to promote Northern development and comparable in significance to those of the Canadian Pacific Railway in the 1880's and the St. Lawrence Seaway in the 1950's, Dr. Metz said.

"Community Distributive Generation," was the subject covered by Mr. Curtis Thayer, Executive Director, Alaska Energy Authority (AEA). He explained that AEA manages the Renewable Energy Fund, the Emerging Energy Technology Fund, the Power Cost Equalization Program and various Energy Efficiency and Conservation Programs. AEA provides grants and loans for qualified energy infrastructure projects and owns energy infrastructure for the benefit of Alaskans.

Mr. Thayer stated that AEA has 88 infrastructure projects currently active around the state. Some of these projects include the Bradley Lake Hydroelectric Project, which produces

10 percent of Railbelt electricity; Bulk Fuel Tank Farm Upgrades (BFU), that helps to decrease the per unit cost of fuel by allowing the community to purchase bulk quantities; and the Rural Power System Upgrades (RPSU), that improves the power system's efficiency, safety and reliability.

AEA assists across the entire lifecycle of communities' infrastructure—from identifying a community's needs and goals to providing training needed to manage utilities and maintain infrastructure. In his closing, Mr. Thayer emphasized that AEA provides energy solutions to meet the unique needs and opportunities of Alaska's rural and urban communities.

Saturday morning's "Breakfast Address: State and Province Perspectives on Energy," began with a panel discussion by The Honourable Sonya Savage, Minister of Energy and Alberta Member of the Legislative Assembly, and The Honorable Cathy Giessel, Senate President, Alaska State Senate. "I have worked on the front line and had a front row seat over many years and watched opposition to our oil and gas sector and to our pipeline industry develop and grow from environmental organizations and politics," Minister Savage said.

The Minister maintained that the newly elected government in Alberta ran on the platform to stand up for the energy sector. She said she and her colleagues were elected on a campaign that will focus on three things: jobs, economy and pipelines. Over the next four years, this will be the main priority, Minister Savage maintained. Over the past few years, the energy sector has been struggling in Alberta, largely due to a lack of access to global markets or more simply put a lack of pipelines. The Minister stressed that the bottom line is Alberta must get their products to



Alberta's Minister of Energy, The Honourable Sonya Savage and Alaska's Governor, The Honorable Michael Dunleavy found they had many areas of mutual interest between the state and province. Minister Savage spoke on the subject of State and Province Perspectives on Energy as part of a Breakfast Address panel at The Energy Council's 2019 Annual Meeting in Anchorage.

where they need to go. The current pipelines are full and there is currently an inability to build any new pipelines across North America.

Minister Savage emphasized that Alberta has an abundance of resources. Alberta's entire economic prosperity is based upon these resources. She pointed out that Alberta is home to the third largest reserves of oil in the world. There are over 160 billion barrels of reserves in the oil sands alone, yet there are hurdles with getting the products to market, the Minister said. She said that the Alberta government is determined to take a more assertive approach to the opponents of the energy sector, and restore investor confidence by bringing back jobs to Alberta. In her closing, she urged friends and allies in the U.S. and around the world to work with Alberta for both sides of the border.

Speaking next on the topic was Alaska Senate President Cathy Giessel. She said that Alaska has been in the oil business a very long time. "There are huge resources in Alaska and we must continue the battle to get the resources to market," Senator Giessel said. "Like Alberta, we are being faced with opposition, and to ensure there are healthy families, we must have good jobs. This supports resource development is good for our health." Healthcare, education, clean water, wastewater treatment, and good-paying local jobs transformed rural and urban Alaska, Giessel added.

Senator Giessel said that as a territorial kid growing up in Fairbanks, she remembered the days of frequently riding along with her father who made rounds to rural communities and villages that were isolated and poor. Then came resource development. As a nurse practitioner, Senator Giessel noted that years later as an adult, she had the wonderful privilege of providing healthcare services in those same rural areas, now thriving communities with schools, clinics, roads, and jobs.

That is what resource development means for Alaska's families. It is all about the people. Yes, we love the state government revenue and services that pays for, Senator Giessel acknowledged, noting that Alaskans have all prospered since oil and mining production began. However, the most important benefit of resource development is to the Alaskan people, families and local businesses.

In her closing, she said as a healthcare professional, it still brings tears of pride to her eyes to contemplate the change in her state. She acknowledged Alaska still has challenges. Nevertheless, they have met challenges before and have demonstrated an ability to solve them. The caribou, polar bears, and fish all coexist with industries. The important thing is lands are precious for the resources they contain, and people

can and will thrive by utilizing and stewarding them. Alaska's resource development continues to bring health and happiness to its people.

The next topic, "The Potential for Large Pump Hydroelectric Capacity in the West," was covered by Mr. John Duhamel, CEO of Copper Valley Electric Association, Chair of the Alaska Power Association Hydropower Work Group. "Building a large hydropower project is more difficult today than it used to be," Mr. Duhamel said. Moreover, the obstacles associated with building a large hydropower plant, in many cases, have prevented very good projects from ever getting to the starting line. Alaska, as an example, has great large hydropower potential, yet the probability of completing a large project under the current regulatory environment is doubtful.

The next speaker, Mr. Travis Jordan, spoke on the topic of "The International Maritime Organization's 2020 Sulfur Limit Regulations." He explained

On State and Province Perspectives on Energy:

"Like Alberta, we are being faced with opposition, and to ensure there are healthy families, we must have good jobs. This supports resource development is good for our health."

Cathy Giessel
Alaska Senate President

to attendees that the International Maritime Organization (IMO) was formed as a "Specialized Agency of the United Nations" to improve the safety and security of international shipping and to prevent marine

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2019 Annual Meeting in Anchorage

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pollution from ships. Today, there are 172 member Nations (including the United States). Mr. Jordan addressed the Sulfur 2020 Regulation in his presentation; he told attendees that currently the maritime fuel sulfur standard is 3.5 percent. Beginning January 1, 2020, the International Maritime Organization is calling for the reduction of allowable sulfur content in marine fuel from 3.5% to 0.5%S mass/mass.

This regulatory event is known as “IMO 2020,” and it will affect transportation fuel spend for both the maritime and trucking industries. These new standards will apply to all ships regardless if on international or domestic voyages or movements solely within the waters of an IMO party. This emissions regulation is not new. It was first announced in 2008 and was later supported in 2016 by a study released by the consultancy CE Delft under the direction of the IMO. Despite having over a decade to prepare for tighter emissions standards, both the maritime shipping and refining industries have been in a scramble throughout 2018 and 2019 to prepare for this fuel market evolution. In his closing, Mr. Jordan stated that some analysts estimate a 5 to 20 percent price increase in U.S. diesel and distillates, and parts of the Northeast could experience an increase in heating oil prices.

“Grid Modernization with Equity in Mind” was presented by Mr. Al “Sonny” Adams, Director of Energy, NANA Regional Corporation. Mr. Adams gave attendees an overview of the microgrid components and the process installation. He noted that Northwest Arctic Alaska (the NANA Region) is currently transitioning from a traditional diesel-based power grid with extremely high energy costs in very remote locations to a modern

microgrid. In the village of Buckland, Alaska, a sophisticated wind-solar-battery storage hybrid system has been added to the diesel power plant, allowing Buckland to operate entirely on renewables for hours at a time, and approximately 25 percent annually, Mr. Adams said.

“Workforce Challenges for the Energy Sector” was covered by Mr. Tyler Gray, President and General Counsel, Louisiana Mid-Continent Oil and Gas Association (LMOGA). In his opening, Mr. Gray said that LMOGA’s mission is to promote and represent the oil and gas industry operating in Louisiana and the Gulf of Mexico by extending representation of its members to the Louisiana Legislature, state and federal regulatory agencies, the Louisiana congressional delegation, the media and the general public.

He explained that a pipeline and infrastructure system is the critical connection between supply basins and demand centers. While the U.S. has the world’s most extensive natural gas pipeline system, increasing supply and demand requires new additions. This new infrastructure allows for greater use of natural gas, providing significant economic and environmental benefits to the country. Altogether, more than 500,000 miles of pipeline make up the energy super-highway system that spans across the United States, enough to circle the Earth 20 times.

Mr. Gray said some of the challenges for siting companies within the energy sector include investment by private companies in the workforce, finding a competent workforce, and individuals meeting the strict qualifications and requirements. In his closing, he addressed some areas where the energy workforce could tap into, such as four-year universities;

community and technical colleges; and Louisiana’s Taylor Opportunity Program for Students (TOPS).

“Post Clean Water Plan – What’s Next” was covered by Ms. Susan Detwiler, Director, Alaska Operations Office at U.S. Environmental Protection Agency (EPA). Ms. Detwiler updated meeting attendees on the Federal Agency’s work related to the “Waters of the United States” or WOTUS. She stated in October, the EPA and the Department of the Army published a final rule to repeal the 2015 Clean Water Rule, which amended portions of the Code of Federal Regulations (CFR), and restored the regulatory text that existed prior to the 2015 Rule. The final rule will become effective on December 23, 2019. With this final rule, the agencies will implement the pre-2015 Rule regulations as informed by applicable agency guidance documents and consistent with Supreme Court decisions and longstanding agency practice.

As a result of litigation over the 2015 Rule, the 2015 Rule currently applies in 22 states, the District of Columbia and the U.S. Territories, while the pre-existing regulations apply in more than half the states. The agencies took the final action to provide regulatory certainty and to eliminate the ongoing patchwork of regulation pending the agencies’ separate rulemaking on a proposed revised definition of WOTUS. With the final rule, the agencies will maintain a longstanding regulatory framework that is more familiar to and better-understood by the agencies, states, tribes, local governments, regulated entities, and the public while the agencies consider public comments on the proposed revised definition of WOTUS.

Kara Moriarty, President and CEO, Alaska Oil and Gas Association

(AOGA) gave an update on “Alaska’s Oil and Gas Issues.” Ms. Moriarty noted that the oil and gas industry represents nearly a third of all wage and salary jobs in Alaska, meaning oil and gas creates more jobs than seafood, mining and the visitor industry combined.

For every dollar earned by employees categorized as a primary companies (AOGA members), a total of \$8 additional wages are generated throughout Alaska. According to Ms. Moriarty, another remarkable data point is that the oil and gas industry spent \$4.6 billion with over 1,000 Alaskan vendors in 2016. Alaska needs all of its industries to be successful, but no other industry currently comes close to the economic impact to the state than oil and gas, according to Moriarty.

For decades, the oil and gas industry has produced the most revenue for the state and local governments. For fiscal year 2020 Alaska is forecasted to receive \$2.3 billion in unrestricted and restricted revenue, and local

governments are expected to receive \$440 million. Ms. Moriarty shared that Chevron is expected to double production in the Permian Basin and ExxonMobil could have one million barrels a day in the Permian alone by 2024. In her conclusion, she stated that companies will invest billions where they can get a larger rate of return, and Alaska will need to remain competitive to be considered a “player” in this global market.

Saturday afternoon’s CLEER University Advisory Board (UAB) Seminar was on the topic of “Water Issues Associated with Energy Production.” Dr. Glenn Juday, Professor, School of Natural Resources & Agriculture Sciences, University of Alaska Fairbanks briefed meeting participants.

His presentation covered topics including ice-wedges, and he was able to show that top melting of ice-wedges and subsequent ground subsidence is a widespread and recent phenomenon across the Arctic. Field and remote sensing observations document extensive ice-wedge

degradation, which initially has resulted in increased wetness contrast across the landscape and an overall drying in later stages. He explained that the numerical model experiments suggest that a connected through-network reduces inundation and increases runoff, and that changing patterns of snow distribution due to the differential ground subsidence play a crucial role in altering lowland tundra water balance.

These fine-scale (10’s cm) geomorphic changes are expected to further expand and amplify in rapidly warming permafrost regions and likely will dramatically modify land-atmosphere and land-ocean fluxes and exchange of carbon, water, and energy. In his closing, he said that the landscape is undergoing major changes “by itself” and fueled by anthropogenic climate warming, for example it is not only disturbances to the ground surface due to infrastructure development that can cause major changes to the hydrology.

THE ENERGY COUNCIL'S 2020 CONFERENCE SCHEDULE SAVE-THE-DATES

***Federal Energy and Environmental
Matters Conference***
March 12-15, 2020
Washington, D.C.

Annual Meeting
September 17-20, 2020
San Antonio, Texas

***State and Provincial Trends in Energy
and the Environment Conference***
June 11-15, 2020
Santa Fe, New Mexico

***Global Energy and
Environmental Issues Conference***
December 3-6, 2020
Point Clear, Alabama

NEW MEMBERS JOIN THE ENERGY

MONTANA

Senator Duane Ankney

Senator Duane Ankney has served in the Montana Senate since 2015. He served in the Montana House of Representatives from 2007-2014. He serves as Chair on the Energy and Telecommunications Committee. He is a member of the Natural Resources, and Finance and Claims Committees.

Senator Ankney, and his wife Carol, have five adult children. They reside in Colstrip.



Duane Ankney
Montana Senator



Senator Janet Ellis

Senator Janet Ellis has served in the Montana Senate since 2018. She served in the Montana House of Representatives from 2015 to 2017. She currently serves as a member of the Finance and Claims; Natural Resources and Transportation; State Administration; and the Agriculture, Livestock & Irrigation Committees.

Senator Ellis, and her husband James Hansen, have one son. They make their home in Helena.

Janet Ellis
Montana Senator

Representative Jim Keane

Montana Representative Jim Keane was elected to the Montana House of Representatives in 2017. He served in the Montana Senate from 2009-2016. He began his legislative service by serving in the Montana House from 2001 to 2008. He currently serves as a member of the Appropriations Committee.

Representative Keane, and his wife Dolores, have three adult children and nine grandchildren. They make their home in Butte.



Jim Keane
Montana Representative



Representative Casey Knudsen

Montana Representative Casey Knudsen was elected to the Montana House of Representatives in 2017. He serves as Vice-Chair of the Agriculture Committee. He also serves as a member of the Judiciary; Natural Resources; and Rules Committees.

Representative Knudsen calls Malta home.

Casey Knudsen
Montana Representative

COUNCIL'S EXECUTIVE COMMITTEE



Randy Smith
West Virginia Senator

WEST VIRGINIA Senator Randy Smith

Senator Randy Smith has served in the West Virginia Senate since 2016. He served in the Virginia House of Delegates from 2012-2016.

Senator Smith serves as Chair for the Industry and Mining Committee. He also serves as a member on the following: Agriculture and Rural Development; Government Organization; Judiciary; Natural Resources; and the Workforce Committees.

Senator Smith, and his wife Patty, have two children. They currently live in Thomas.

Senator Dave Sypolt

Senator Dave Sypolt was first elected to the West Virginia Senate from 2006-2014. He was re-elected in 2016. He currently serves as Chair for the Agriculture and Rural Development Committee. He also serves as Vice-Chair of the Energy, Industry and Mining Committee. He serves as a member on the Finance; Government Organization; Military; Natural Resources and Rules Committees.

Senator Sypolt, and his wife Terri, have three children and three grandchildren. They make their home in Kingwood.



Dave Sypolt
West Virginia Senator

Delegate Bill Anderson

Delegate Bill Anderson has served in the West Virginia House of Delegates since 1992. He serves as the Chair of the Energy Committee. He serves as a member on the Agriculture and Natural Resources; Education Reform A, Select Committee on Finance; House Rules; Pensions and Retirement; and Political Subdivisions Committees.

Delegate Anderson makes his home in Williamstown.



Bill Anderson
West Virginia Delegate

Delegate John Kelly

Delegate John Kelly was elected to the West Virginia House of Delegates in 2014. He serves as the Vice-Chair of the Energy Committee. He serves as a member on the Education; Education Reform A, Select Committee on Political Subdivisions; Senior, Children, and Family Issues; and Veterans Affairs and Homeland Security Committees.

Delegate Kelly and his wife, Rebecca, have one son. They reside in Parkersburg.



John Kelly
West Virginia Delegate

OKLAHOMA

Representative Ken Luttrell

Representative Ken Luttrell was elected to the Oklahoma House of Representatives in 2018. He previously served in the legislature from 2006-2010. He serves as Vice-Chair of the A&B Non-Appropriated Agencies Committee. He serves as a Member on the Energy and Natural Resources; Higher Education and Career Tech; and Veterans and Military Affairs Committees.

A resident of Ponca City, Representative Luttrell has been married to his wife, Brenda, for 32 years. He has two daughters, Shannon and Lauren, their spouses, three grandsons and a new granddaughter due in January all residing in Ponca City.



Ken Luttrell
Oklahoma Representative



Will Metcalf
Texas Representative

TEXAS

Representative Will Metcalf

Representative Will Metcalf was elected to the Texas House of Representatives in 2014. He serves as the Vice-Chairman of the Natural Resources Committee. He serves as a member on the Calendars; and International Relations & Economic Development Committees.

Representative Metcalf earned his Bachelor of Science degree in criminal justice from Sam Houston State University. He and his wife, Megan, have two children and reside in Conroe.

WEST VIRGINIA

Senator Chandler Swope

Senator Chandler Swope was elected to the West Virginia Senate in 2016. He serves as Chair of the Workforce Committee and Vice-Chair of the Transportation and Government Organization Committees. He is a member on the Finance; Energy; Banking & Insurance; and the Economic Development Committees.

Senator Swope earned his Bachelor of Science degree in Industrial Management from Ohio State University. The Senator has two children and three grandchildren. He makes his home in Bluefield.



Chandler Swope
West Virginia Senator



Dale Nally

Member of the Legislative
Assembly
Associate Minister of
Natural Gas

ALBERTA

Member of Legislative Assembly Dale Nally

Mr. Dale Nally was elected to the Legislative Assembly of Alberta, representing the constituency of Morinville-St. Albert, on April 16, 2019. He was sworn in as Associate Minister of Natural Gas on April 30, 2019.

Mr. Nally holds a Master's Degree in education and a Bachelor's Degree in general studies from Athabasca University. He makes his home in Morinville.

SASKATCHEWAN

Member of Legislative Assembly Doug Steele

Mr. Doug Steele was elected to the Legislative Assembly of Saskatchewan, representing the constituency of Cypress Hills in 2016.

Mr. Steele serves on the Cabinet Committee on Economy; Economy CPC Committee; Standing Committee on Economy; and the Midwest Legislative Agriculture and Natural Resources Committee.

Mr. Steele, and his wife Phyllis, have three children, and they make their home in Gulf Lake.



Doug Steele

Member of the Legislative
Assembly



*Happy Holidays
from The
Energy Council*

Final Agenda

The Energy Council's 2019 Annual Meeting

September 19-22, 2019

Anchorage Alaska

Welcome Remarks and Opening Address

The Honorable Kyle Hoffman
Kansas House of Representatives
and Chairman, The Energy Council

The Honorable Ken Bragg
Arkansas House of Representatives
and Chairman, CLEER

The Honorable Cathy Giessel
Alaska Senate President and
Co-Vice President for Annual
Meeting

The Honorable Bert Stedman
Alaska Senate and Co-Vice
President for Annual Meeting

Opening Address

The Honorable Michael Dunleavy
Governor of Alaska

Unconventional Unconventionals

Mr. Bryan Bennett, General Manager
NET Power Commercial Plant
Development, Exelon Generation

The Challenges of a 100 Percent Renewable Energy Future

Mr. Chris Rose
Founder and Executive Director
Renewable Energy Alaska Project

Domestic Impacts of Alaska's Role in Global Energy Trade

Mr. Jonathan Katcher spoke on
behalf of The Honorable Mead
Treadwell
Former Lt. Governor of Alaska
Former Chair of the U.S. Arctic
Research Commission

Integrating the Next Generation of Transportation and Energy Infrastructure

Dr. Paul Metz
Professor, Ph.D., P.G., Geological
Engineering
University of Alaska – Fairbanks

Community Distributive Generation

Mr. Curtis Thayer
Executive Director
Alaska Energy Authority

Working Lunch: The Energy Council and CLEER Business Meetings

CLEER Program Advisory Board
Planning Session for 2019 Global
Meeting in White Sulphur Springs,
WV

Field Trip to Alaska Geologic Materials Center

**Breakfast Address: State and
Province Perspectives on Energy**
The Honourable Sonya Savage
Minister of Energy
Alberta Member of the Legislative
Assembly

The Honorable Cathy Giessel
Senate President
Alaska State Senate

The Potential for Large Pump Hydroelectric Capacity in the West

Mr. John Duhamel
CEO of Copper Valley Electric
Association
Chair of the Alaska Power
Association Hydropower Work
Group

The International Maritime Organization's 2020 Sulfur Limit Regulations

Mr. Travis Jordan
Associate Attorney
Faegre Baker Daniels

Grid Modernization with Equity in Mind

Mr. Al "Sonny" Adams
Director of Energy
NANA Regional Corporation

Work Force Challenges for the Energy Sector

Mr. Tyler Gray
President and General Counsel
Louisiana Mid-Continent Oil and
Gas Association

Post Clean Water Plan – What's Next?

Ms. Susan Detwiler
Director, Alaska Operations Office
at U.S. Environmental Protection
Agency

Alaska's Oil and Gas Issues

Kara Moriarty
President & CEO
AOGA

UAB Seminar: Water Issues Associated with Energy Production

Dr. Glenn Juday, Professor
School of Natural Resources & Ag.
Sciences
University of Alaska Fairbanks