

THE Energy Council News

SPRING

2024

The Energy Council returned to Jackson, Wyoming for the 2023 Global Energy and Environmental Issues Conference



Wyoming Governor Mark Gordon (center) welcomed attendees back to his state for the 2023 Global Energy and Environmental Issues Conference. Thanking the governor was Oklahoma Representative and CLEER Vice Chairman Ken Luttrell (left) and Alaska Senator and The Energy Council Chairman Bert Stedman (right).

Matters related to nuclear power, carbon capture, grid reliability, and implications of North American energy and climate policies were discussed at The Energy Council's 2023 Global Energy and Environmental Issues Conference. The conference took place in Jackson, Wyoming on December 7 - 9.

Chairman of The Energy Council, Alaska Senator Bert Stedman, presided over the conference with the help of the Vice Chairman for the Center for Legislative Energy and Environmental Research (CLEER), Oklahoma

Representative Ken Luttrell, Wyoming Senate President Ogden Driskill and Wyoming Speaker of the House Albert Sommers.

In addition to his conference leadership duties, Chairman Stedman moderated a session with the Honorable Summer Mersinger, Commissioner of the Commodity Futures Trading Commission and Sponsor of the Energy and Environmental Markets Advisory Committee. Commissioner Mersinger explained that the Commodity Futures

Trading Commission (CFTC) was established to provide input and recommendations on regulatory and market issues that impact the integrity and competitiveness of U.S. derivative markets, and the Energy and Environmental Markets Advisory Committee (EEMAC) is a statutory mandated advisory committee that conducts public meetings, submits reports and recommendations to the CFTC, and serves as a platform for discussion and communication on matters related to energy and environmental markets.

"We have gained an appreciation for the size and scale of our nation's power and energy infrastructure. Energy and electricity generation, distribution, storage, and use are complex and resource-intensive," Commissioner Mersinger said. She added it is evident that the CFTC needs to continue learning about these markets through EEMAC and other means of engagement with stakeholders and the general public. The risk management and price discovery functions of the derivatives markets, regulated by the CFTC, are especially crucial in times of change, according to Mersinger.

"Nuclear Power Challenges and Opportunities" was covered by Ms. Tara Neider, Sr. Vice President and Project Director of the Sodium Demo Reactor at TerraPower. Nuclear plants

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The Energy Council

The Energy Council News is the official publication of the Energy Council, a legislative organization comprised of 15 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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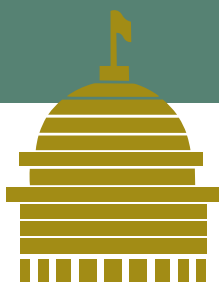
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Tell us what you think!

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



State and Provincial Trends in Energy and the Environment Conference to be held in Grand Forks, North Dakota

The Energy Council's 2024 State and Provincial Trends in Energy and the Environment Conference will take place in Grand Forks, North Dakota. Leading the conference will be Alaska Senator Bert Stedman, The Energy Council Chairman and Louisiana Senator Francis Thompson, Chairman of the Center for Legislative Energy and Environmental Research (CLEER).

Discussion topics expected to be considered at the conference include:

- **Diversification of Energy Sources**
- **Reliability and Resiliency**
- **Nuclear Energy Incentives**
- **The Market for Hydrogen**
- **Dual Mission Universities: Possible Help for the Energy Workforce**
- **Domestic Supply Chains for Critical Minerals**
- **Responding to Evolving Markets and Needs**
- **Net Energy Metering**
- **Carbon Dioxide Pipelines**

2023 Conference in Jackson

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The Wyoming delegation presented The Energy Council's Executive Director Tara Shaw (center) with a gift and thanked her for her five years of service to the Council. Ms. Shaw announced her departure from the Council at the conference and will be leaving in early March. From left to right standing are Representative Cody Wylie; Representative Lloyd Larsen; Senator Case Cale; Governor Mark Gordon; Senator Ed Cooper; Senate President Ogden Driskill; Senator Jim Anderson; Representative Don Burkhardt; Senator Dan Dockstader. Front and kneeling are former Senator Drew Perkins (left) and Representative Tom Walters (right).

are key to meeting clean energy goals and energy security, according to Neider. She added that renewables such as wind and solar are not available 100 percent of the time, and the Natrium™ sodium fast reactor plant combined with a molten salt energy storage system allows dispatchable electricity when it is needed. She also said that any new nuclear plant undergoes rigorous analysis, testing, and environmental assessment; and the results are submitted to the US Nuclear Regulatory Commission (USNRC). No nuclear construction can be started until the application for a construction permit application has been approved by the USNRC, she explained.

During design, equipment fabrication and construction, Neider said, extensive oversight is conducted by the licensee, owner/operator and the USNRC. She concluded the challenges to bring a new reactor to market include supply

chain challenges, labor challenges, environmental restrictions, and changing government regulations, but she believes with proper planning, the challenges can be overcome.

The topic of "Carbon Capture, Utilization and Storage" was discussed by Mr. David Tatum, General Manager for Carbon Capture, Utilization and Storage at Chevron and Mr. Matthew Pyles, Project Manager at LaBarge (WY) Carbon Capture for ExxonMobil.

Ms. Tara Righetti, Occidental Chair in Energy and Environmental Policy at the University of Wyoming School of Energy Resources, moderated the panel and provided some background and context. She explained that the mission of the Center for Carbon Capture and Conversion (CCCC), which houses the Carbon Engineering Program at the University of Wyoming, focuses on supporting existing energy and fuel markets and finding innovative uses for Wyoming coal. At

the project working level, the CCCC partners with faculty and researchers located in other University of Wyoming colleges, bringing together interdisciplinary teams to develop environmentally friendly solutions to support the future of Wyoming coal and economic development in the state.

Next, Mr. David Tatum explained that Chevron is accelerating lower carbon solutions through their Carbon Capture Utilization and Storage (CCUS) strategy. Chevron's CCUS strategy includes leveraging their capabilities, advancing CCUS at existing assets, commercializing investments in technology, and forming partnerships to drive results.

Additionally, Mr. Tatum noted that CCUS works and is a proven method to sequester CO₂ based upon key projects in Gorgon, Quest, and Sleipner. Chevron supports well-designed CCUS policy, including innovation support, carbon pricing, and targeted policies, he added. Chevron's strategy to scale CCUS is focusing on deploying CCUS technology to lower the carbon intensity of their existing assets and growing their CCUS business by offering lower carbon solutions to third parties in hard-to-abate sectors. "Chevron believes lower carbon policy should achieve emissions reductions as efficiently and effectively as possible, at the least cost to economies," he said. "Chevron supports market-based carbon pricing as a cost-effective means to reduce emissions and enable appropriate crediting and accounting for CCUS projects."

Mr. Matthew Pyles continued the dialogue on carbon capture,

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THE ENERGY COUNCIL'S EXECUTIVE COMMITTEE UPDATE

LOUISIANA

Representative Chris Turner

Representative Turner was elected to the Louisiana House of Representatives in 2019. He serves as Vice Chair of the Civil Law and Procedure committee, and as a member on the Agriculture, Forestry, Aquaculture, Rural Development, and Health and Welfare committees.

Representative Turner and his family reside in Ruston.



Chris Turner
Louisiana Representative



Bryan Hughes
Texas Senator

TEXAS

Senator Bryan Hughes

Senator Bryan Hughes has served in the Texas Senate since 2017. He served in the Texas House of Representatives from 2003 to 2017.

Senator Hughes serves as Chairman of the Senate Committee on State Affairs and Chairman of the Senate Committee on Jurisprudence. He also serves as a member of the Education, Natural Resource & Economic Development, Nominations, and Redistricting Committees.

TEXAS

Representative Brooks Landgraf

Representative Brooks Landgraf has served in the Texas House of Representatives since 2015. He is Chairman of the House Environmental Regulation Committee and serves as a member of the House Transportation Committee, the House Redistricting Committee, and the House Administration Committee.

Representative Landgraf and his wife Shelby have one daughter and are proud to call West Texas their home.



Brooks Landgraf
Texas Representative



Brian Jean

Alberta Minister of Energy and Minerals
Alberta Member of the Legislative Assembly

ALBERTA

Minister Brian Jean

Minister Brian Jean was sworn in as the Minister of Energy and Minerals on June 9, 2023. He previously served as the Minister of Jobs, Economy and Northern Development. Prior to his service as an elected official at the provincial level, he was a Member of Parliament from 2004 to 2014 where he served as the Parliamentary Secretary to 3 different Ministers of Transport, Infrastructure and Communities. Minister Jean holds a Bachelor of Laws as well as a Bachelor of Science and a Master's in Business Administration.

THE ENERGY COUNCIL'S EXECUTIVE COMMITTEE UPDATE

SASKATCHEWAN Minister Jim Reiter

Minister Jim Reiter was first elected as the MLA for Rosetown. He was re-elected in 2011, 2016 and 2020. During his time in this portfolio he was also responsible for SaskEnergy and SaskTel. In 2020, he was named Minister of SaskBuilds and Procurement, and Minister responsible for SaskGaming, for the Public Service Commission, for the Saskatchewan Liquor and Gaming Authority, and for the Global Transportation Hub Authority.

Minister Reiter and his wife Bonnie reside in Rosetown.



Jim Reiter
Saskatchewan Minister of Energy
and Resources
Saskatchewan Member of the
Legislative Assembly



SASKATCHEWAN MLA Daryl Harrison

MLA Daryl Harrison was first elected as the MLA for Cannington in the 2020 provincial election. He currently serves as Legislative Secretary to the Minister of Energy & Resources. Mr. Harrison has worked in the oil industry for over 30 years in various roles including as an Account Manager with Baker Hughes General Electric. In addition, he has served as a councillor for the local rural municipality, the director for Zone 1 of the Saskatchewan Stock Grower's Association, a member of the Lions Club, a volunteer fire fighter, and a cattle rancher.

Daryl Harrison
Saskatchewan Member
of the
Legislative Assembly

MLA Harrison and his wife Cheryl live in the Cannington constituency and have six children and four grandchildren.

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utilization and storage as he highlighted some current initiatives of ExxonMobil. He emphasized the importance of evolving ExxonMobil's business model to enhance competitiveness and fully leverage its corporate advantages, including capturing the benefits of scale, integration, and synergies by consolidating capabilities, eliminating duplication, and reducing redundancies.

"One of our strategic priorities is to focus on low carbon solutions," Mr. Pyles said. "By leveraging ExxonMobil's unique combination of capabilities, we aim to accelerate emission reductions for our industrial and commercial customers." In Wyoming, the plan is to establish the largest carbon capture and storage (CCS) facility in the world.

This facility is expected capture 6 to 7 million metric tons per annum of CO₂ and include a network of 200 miles of CO₂ distribution pipelines.

Furthermore, Mr. Pyles stated, ExxonMobil is committed to long-term geological sequestration at Shute Creek. Recently, expansion plans were announced to increase storage capacity due to a \$400 million investment. This expansion will create 400 peak construction jobs and over 100 new local jobs, directly and indirectly, he said the project's construction commenced in early 2023, with the drilling and completion of a disposal well finalized in late 2023. Overall, the expansion project aims to drive emission reductions, establish a leading CCS facility, and

contribute to the growth of local employment opportunities.

Ms. Stacey Doré, Chief Sustainability Officer for Vistra Corporation, covered "Deploying Technology for Grid Reliability and Affordability." Ms. Dore said as the energy industry progresses towards a net-zero future, Vistra aims to shift energy demand from 60 percent fossil fuels to over 90 percent clean energy by 2050. This transition involves increasing the use of renewables, reducing reliance on fossil fuels, and accelerating the

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THE CENTER FOR LEGISLATIVE ENERGY AND ENVIRONMENTAL RESEARCH (CLEER) COMMITTEE UPDATE

TEXAS

Representative Jay Dean

Representative Jay Dean has served in the House of Representatives since 2017. Before serving in the State House, Jay served as Mayor of Longview for a decade and on the Longview City Council for five years prior. Representative Dean serves as a member on the Environmental Regulation and State Affairs committees.

Representative Dean resides in Longview with his wife Pokie.



Jay Dean
Texas Representative



Juan Barnett
Mississippi Senator

MISSISSIPPI

Senator Juan Barnett

Senator Juan Barnett was elected to the Mississippi Senate in 2016. He serves as Chair of the Corrections committee and Vice-Chair of the Enrolled Bills committee. He is a member of the Appropriations; Economic Workforce Development; Energy; Judiciary, Division A and B; Public Health and Welfare; and Wildlife, Fisheries and Parks committees. Senator Barnett formerly served as Mayor of Heidelberg, Mississippi from 2001-2016.

Senator Barnett and his wife Jaqueline have four children and make their home in Heidelberg.

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retirement of coal plants, which are expected to reach approximately 0 percent by 2035. Nuclear generation is projected to remain fairly constant, contributing around 10 to 20 percent of the energy mix, she explained.

Ms. Doré feels it is important to consider both energy capacity and resource mix when evaluating the viability of different technologies. For example, a combination of solar and battery power requires approximately 10 times more investment compared to a modern gas plant to achieve comparable reliability outcomes. Additionally, the grid needs firm resources to ensure reliability, with

gas plants playing a crucial role in supporting the grid during periods of low generation, she added.

As the energy industry transitions, Ms. Doré believes there are challenges to overcome. The increased integration of intermittent resources will require the development of technologies and incentives to ensure reliability in the face of a growing population and electrification. Reliability standards must also be able to handle extreme weather events. While clean technologies hold promise, many are still under development and require further incentives. Reliability, affordability, and sustainability are

crucial considerations in addition to technological advancements. Ms. Doré said Vistra is committed to navigating these challenges and continuing to prioritize the needs of their customers and the environment.

The next set of panelists briefed attendees on “Advanced Recycling.” Ms. Melanie Bower, Senior Sustainability Advisor, New Markets Development at ExxonMobil began the discussion.

Ms. Bower explained that Exxon’s sustainability approach is centered around responsible environmental management. She added that the

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Closing out the 2023 Global Energy and Environmental Issues conference, Wyoming Governor Mark Gordon stressed the importance of carbon capture as a means to address climate change and how Wyoming could be a change leader in this effort.

company is prioritizing understanding the potential environmental and socioeconomic impacts of their operations and is committed to developing, maintaining, and operating projects in a responsible manner while adhering to appropriate standards that ensure the protection of the environment for future generations.

"It is important to support policy solutions that promote the use of advanced recycling technology," Ms. Bower said. "While mechanical recycling has its limitations in handling all types of plastics, advanced recycling offers a solution by converting difficult-to-recycle plastic waste into raw materials." These raw materials can then be used to manufacture new products, including high-quality plastics suitable for food and medical packaging. In closing, she emphasized that advanced recycling plays a crucial role in addressing plastic waste and ensuring that plastics remain within

the economy rather than ending up in our environment. This approach aligns with Exxon's commitment to sustainability and responsible waste management practices, she concluded.

Hector Rivero, President and CEO of the Texas Chemical Council continued the discussion by introducing Ms. Patricia Drake, Business Development Director, Circular & Low Carbon Solutions at LyondellBasell and Mr. Wes Robinson, Senior Director, State Affairs at the American Chemistry Council.

Ms. Drake stated that plastics are essential in providing solutions to everyday sustainable living and circularity is critical to helping end plastic waste while offering strong economic, social and climate benefits. She emphasized that LyondellBasell is helping to advance circularity of plastics through three complementary pathways:



The Honorable Summer Mersinger, Commissioner of the Commodity Futures Trading Commission (center) spoke at the 2023 Global Energy and Environmental Issues Conference. Pictured to the Commissioner's left is Oklahoma Representative and CLEER Vice Chairman, Ken Luttrell and to her right is Alaska Senator and Energy Council Chairman, Bert Stedman.

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mechanical recycling, advanced recycling and use of renewable-based feedstocks. Advanced (molecular) recycling converts plastic waste to its molecular form for use as feedstock for the production of new plastic materials, and LyondellBasell believes it is an important solution to address the challenge of hard-to-recycle plastics at scale, she concluded.

Mr. Robinson stated that advanced recycling legislation has passed in 24 states, including six Energy Council states. This legislation helps foster the growth of innovative technologies that can recycle many typically hard-to-recycle plastics by converting them back to their raw materials to be made into new plastics again and again. Mr. Robinson added that government research shows up to a 23 percent decrease in greenhouse gas emissions when making certain plastic using 5 percent feedstock from advanced recycling compared to virgin feedstock.

Dr. Holly Krutka, Executive Director of the University of Wyoming School of Energy Resources, presented Friday afternoon's CLEER University Advisory Board (UAB) Seminar on "Wyoming's Energy Innovation Landscape." Dr. Krutka emphasized that Wyoming and other energy producing states can and must be leaders in the research, demonstration and development of energy technologies. She feels that universities, and land-grant universities in particular, can help train students, educate the public and lead on the development of these new technologies. Working in a multidisciplinary nature and with state elected and appointed officials has led Wyoming to tangible achievements related to air quality and methane abatement; carbon capture, use and storage; nuclear energy advancement; and much more, she noted. Creating test centers

where technologies can move beyond the bench scale is critical to success, she concluded.

Saturday morning's general session began with the topic of "Wood-based Bio Energy." Mr. Rick Frederick, Community Relations Manager for Enviva Biomass, presented. Enviva Biomass was established in 2004 and produces industrial sustainable wood pellets, which serve as a cleaner energy alternative to reduce carbon emissions and decrease dependence on fossil fuels.

The company includes 10 manufacturing plants and six ports located in Alabama, Florida, Georgia, Mississippi, North Carolina, South Carolina, and Virginia. Sustainability is at the core of Enviva's business practices, and the company places great importance on maintaining healthy forests, Mr. Frederick said. Steps are taken to ensure the preservation and production of forests and natural habitats in the areas where the company operates. Enviva sources its raw materials from suppliers who deliver fiber from working forests and sawmills as well as other wood industry manufacturers.

In addition to their commitment to sustainability, Mr. Frederick pointed out that Enviva contributes to economic growth in rural communities across the South. He said that over the past decade, nearly 2,000 new jobs have been created and billions of dollars have been brought into the southern economy. The company has implemented responsible sourcing programs that require all harvest operations to employ best management practices and comply with federal and state water quality standards. The company has dedicated employees, including procurement and sustainability commodity managers, who ensure



Dr. Holly Krutka, Executive Director at the University of Wyoming's School of Energy Resources, engaged the attendees as she delivered the University Advisory Board Seminar on Wyoming's Energy Innovation Landscape.

compliance with the company's fiber sourcing policies. In closing, he noted that Enviva's pellets are made from 100 percent plant matter, further emphasizing their commitment to sustainable practices.

Dr. David Gattie, Associate Professor at the University of Georgia, reported on "Implications of North America Energy and Climate Policies." Mr. Gattie highlighted a few trends in the United States' energy policy in response to the climate crisis. He said the climate crisis has been placed at the center of U.S. foreign policy and national security, recognizing it as a crucial issue for the nation's well-being, and the Inflation Reduction Act of 2022 favors renewable energy technologies, reflecting a commitment to reducing carbon emissions and promoting sustainable energy sources. He added that the EPA's proposed carbon emission

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standards for coal and natural gas power plants, known as the 2015 Clean Power Plan 2.0, aims to exert downward pressure on fossil fuel plants, prioritizing a shift towards wind, solar, and other clean energy sources.

Dr. Gattie explained that the EPA's proposed power plant rule targets emissions from both new and existing coal and gas-fired power plants and owners are encouraged to adopt carbon capture technology or clean hydrogen fuel. He also believes that by recognizing the climate crisis as a significant threat to national security, the U.S. aims to combat it while bolstering energy security and accelerating the transition to clean energy sources.

In his closing, Dr. Gattie noted concerns about national security as China and Russia strategically exploit fossil fuel resources and technologies, and as they lead in nuclear energy deployment. As the U.S. debates moving away from fossil fuels, it must navigate an asymmetric shift in energy resources, technologies, and industrial bases relative to these great power competitors.

"Wind Energy Successes and Hurdles" was reported on by Ms. Kara Choquette, Director of Communications and Public Relations at Anschutz Corporation. Ms. Choquette stated that in 2004, the Wyoming Legislature created a state entity to encourage the development of new energy generation and transmission to help diversify and expand the Wyoming energy economy.

In alignment with those goals, the Power Company of Wyoming, L.L.C. has developed the approximately 3,500-megawatt Chokecherry and



A panel discussion on Carbon Capture, Utilization and Storage was covered by moderator Ms. Tara Righetti (standing at podium) and presenter Mr. David Tatum from Chevron (seated, second from left) and Mr. Matthew Pyles from ExxonMobil (seated, second from right).

Sierra Madre Wind Energy Project in Carbon County, Wyoming. Simultaneously, TransWest Express, L.L.C. has developed the 732-mile interregional TransWest Express Project to connect Wyoming to new energy markets and improve the entire Western power grid. Both projects are partially located on federal land and making significant progress toward completion.

"CO₂ Reductions in North America v. Abroad" was covered by Ms. Deb Ryan, Head of Strategic Commodities at S&P Global Commodity Insights. "The events of 2022 are expected to have significant long-term impacts on the energy landscape," she said. Declines in demand for fossil fuels and greenhouse gas (GHG) emissions will be witnessed in the coming years, while the growth of renewables will be accelerated, she predicted. These shifts will shape diverse futures, but common themes will emerge across various outlooks. Industrial policies focused on turbocharging clean

technology investments will drive the transition towards sustainable energy sources, she added.

Ms. Ryan believes the conflict in Ukraine will permanently reduce global demand for fossil fuels. In the Asia-Pacific region, an upward trajectory is anticipated, with renewables projected to represent more than half of total global power generation by 2050, she added. She noted that in the United States, the Inflation Reduction Act has played a critical role in boosting expectations for renewable energy and battery storage capacity growth.

The Americas currently have the majority of CO₂ capture capacity, with the US accounting for 42 percent of this capacity, primarily from natural gas processing, Ms. Ryan

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noted. She believes understanding the variations in carbon intensity across different production areas and decarbonization methods will be crucial.

“Refining Capacity” was covered by Mr. John Eick, Senior Manager, State and Local Outreach at American Fuel and Petrochemical Manufacturers. Mr. Eick reported that the U.S. refining system is the most complex and efficient in the world. While China may now have a larger nameplate capacity, U.S. refineries operate at a substantially higher utilization rate, making the U.S. the largest producer (and exporter) of refined products in the world, he said. Moreover, Canada remains a vital U.S. energy partner and is responsible for producing 60 percent of the crude oil imported into the U.S. to be refined, he added. Closing out the 2023 Global Energy and Environmental Issues conference was the Governor of Wyoming,

the Honorable Mark Gordon. Governor Gordon began his address by emphasizing the importance of powering the country in the future. The governor stated that there is no energy shortage; rather, there are

“There is no energy shortage, rather, there are ample opportunities across various technologies...”

Governor Mark Gordon.

ample opportunities across various technologies to provide reliable, dispatchable, and 24/7 electricity. He stressed the need to find solutions for powering the transportation sector and acknowledged the nation’s history of innovation, which he

believes is currently being hindered by excessive regulation.

Governor Gordon highlighted a few aspects of Wyoming’s abundant energy portfolio, including fossil fuels such as coal, natural gas, oil, and wind power, which is growing steadily in the state. The Governor emphasized Wyoming’s practical approach to facing the future and exploring different energy options. He discussed the importance of carbon capture as a means to address climate change and said it could position Wyoming as a leader in providing solutions to remove carbon dioxide from the atmosphere and making a meaningful difference globally.

SAVE THE DATES!

THE ENERGY COUNCIL 2024 CONFERENCE SCHEDULE

State and Provincial Trends in Energy and the Environment Conference
Thursday, June 6 – Saturday, June 8
Grand Forks, North Dakota

Annual Meeting
Thursday, September 12 – Saturday, September 14
Tulsa, Oklahoma

Global Energy and Environmental Issues Conference
Thursday, December 5 – Saturday, December 7
Salt Lake City, Utah

The Energy Council's 2023 Global Energy and Environmental Issues Conference

December 7-9, 2023

Jackson, Wyoming

Opening Breakfast and Welcome Remarks

The Honorable Bert Stedman
Alaska Senate
Chairman, The Energy Council

The Honorable Ken Luttrell
Oklahoma House of Representatives
Vice Chairman, CLEER

The Honorable Ogden Driskill
Senate President
Wyoming

The Honorable Albert Sommers
Speaker of the House
Wyoming

The Honorable Summer Mersinger
Commissioner, Commodity Futures
Trading Commission
Sponsor, Energy and Environmental
Markets Advisory Commission

Nuclear Power Challenges and Opportunities

Ms. Tara Neider
Sr. Vice President and Project Director,
Natrium Demo Reactor
TerraPower, LLC

Carbon Capture, Utilization and Storage Panel

Mr. David Tatum
General Manager for Carbon Capture,
Utilization and Storage
Chevron

Mr. Matthew Pyles
Project Manager, LaBarge (WY)
Carbon Capture
ExxonMobil

Moderator: Ms. Tara Righetti
Occidental Chair in Energy and
Environmental Policy, School of Energy
Resources, University of Wyoming

Deploying Technology for Grid Reliability and Affordability

Ms. Stacey Doré
Chief Sustainability Officer
Vistra Corporation

Advanced Recycling Panel

Ms. Melanie Bower
Senior Sustainability Advisor, New
Markets Development
ExxonMobil Chemical

Ms. Patricia Drake
Business Development Director, Circular
& Low Carbon Solutions
LyondellBasell

Moderator: Mr. Hector Rivero
President and CEO
Texas Chemical Council

Moderator: Mr. Wes Robinson
Senior Director, State Affairs
American Chemistry Council

University Advisory Board Lunch Seminar: Wyoming's Energy Innovation Landscape

Dr. Holly Krutka
Executive Director, School of Energy
Resources
University of Wyoming

Wood-based Bio Energy

Mr. Rick Frederick
Community Relations Manager
Enviva Biomass

Implications of North America Energy and Climate Policies

Dr. David Gattie
Associate Professor
University of Georgia

Wind Energy Successes and Hurdles

Ms. Kara Choquette
Director of Communications and
Public Relations
Anschutz Corporation

CO₂ Reductions in North America v. Abroad

Ms. Deb Ryan
Head of Strategic Commodities
S&P Global Commodity Insights

Refining Capacity

Mr. John Eick
Senior Manager, State and Local
Outreach
American Fuel and Petrochemical
Manufacturers

Closing Lunch

The Honorable Mark Gordon
Governor
State of Wyoming

Program Advisory Board Planning Session for State and Provincial Trends Conference