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## National Commission on Innovation & Competitiveness Frontiers **Mountain West Innovation Summit**

June 21-22, 2022  
University of Wyoming, Laramie, WY

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### **The Future of Energy**

Date: June 22, 2022

Time: 1:30pm-2:00pm Mountain

Venue: Marian H. Rochelle Gateway Center

Room: Gateway Salons C/D - plenary

Registration: On-the-ground registration and photo release signing for the Summit will take place in the Gateway Center foyer.

#### **INTRODUCTION**

**Dr. John Wagner**

Director

Idaho National Laboratory

#### **“FUTURE OF ENERGY SPEAKER”**

**The Hon. David Freudenthal**

Former Governor, Wyoming

**Mr. Gregory “Greg” P. Hill**

President and Chief Operating Officer

Hess Corporation

## GENERAL INFORMATION

- Press may be in the room or online. As such, please keep in mind your comments as they may be quoted.
- The Summit will be recorded and photographed – we will ask all participants to sign a simple release to use images upon registration.
- Images and audio will be used in the production of a post-Summit summary report.
- Dress code for the Summit – including the reception and dinner on the 21<sup>st</sup> – is business casual.

## PROGRAM FORMAT AND DYNAMICS

The purpose of the “FUTURE OF...” sessions is for key sectoral leaders/experts to provide a TED-talk style presentation on a cutting-edge topic. Think: evocative, provocative, educational remarks – aligned to the themes of the Mountain West Innovation Summit, as well as the Council on Competitiveness [“National Commission on Innovation and Competitiveness Frontiers”](#) – to enlighten and inspire Summit participants.

- “FUTURE OF...” speakers can sit in the “main audience” – the emcee or will call you up to stage when time.
- **The total time allocated to each “FUTURE OF...” speaker is 8 minutes maximum, like a TED talk. Each “theme” will have 2 speakers in a 30-minute window to provide cushion.**
- The Summit is being designed as mostly-PowerPoint-free event. HOWEVER, we are making an exception for “FUTURE OF...” speakers. OUR ASK – **if you will use a PowerPoint, please email to Chad Evans and Yasmin Hilpert ([cevans@compete.org](mailto:cevans@compete.org); [yhilpert@compete.org](mailto:yhilpert@compete.org)) 24 hours in advance to pre-load and test; AND to bring a back-up on a jump drive.**
- There will be no Q&A with the audience – unless there is time available – at the discretion of the emcee. Should there be time, the emcee will be poised to return to stage and manage a short Q&A session with the “FUTURE OF...” speakers and the plenary audience for remaining minutes in the session (audience members will have access to roaming microphones – and the emcee would ask audience members to identify themselves when asking a question).
- At the conclusion of the session, the “introducer”/emcee will thank the “FUTURE OF...” speakers – and at that point, they are free to return to their seats in the plenary audience.

## KEYNOTERS' ROLES

- The “FUTURE OF...” speaker is requested to provide an 8-minute maximum, thought-provoking, personal/organizational response to the proposed session theme – as well as the themes of the Mountain West Innovation Summit and the Council on Competitiveness “[National Commission on Innovation and Competitiveness Frontiers](#).”
- PowerPoint slides or other graphics may be used – please see above about transmission of slides in advance of the Summit.
- The Summit organizers request the keynoter to **provide by Monday, June 13<sup>th</sup> a title/general theme** of remarks.
- A biography of the keynoter will be provided in the Summit program materials.

## SPEAKER BIOS



**Dr. John Wagner**  
Director  
Idaho National Laboratory

Dr. John C. Wagner is the laboratory director for Idaho National Laboratory. His previous roles included Associate Laboratory Director of INL's Nuclear Science & Technology (NS&T) Directorate, director of Domestic Programs in NS&T as well as director of the Technical Integration Office for the DOE-NE Light Water Reactor Sustainability Program at INL. Wagner initially joined INL as the chief scientist at the Materials and Fuels Complex in 2016. He has more than 20 years of experience performing research, and managing and leading research and development projects, programs and organizations.

Wagner received a B.S. in nuclear engineering from the Missouri University of Science and Technology in 1992, and M.S. and Ph.D. degrees from the Pennsylvania State University in 1994 and 1997, respectively. Following graduate school, Wagner joined Holtec International as a principal engineer, performing criticality safety analyses and licensing activities for spent fuel storage pools and storage and transportation casks. Wagner joined the Oak Ridge National Laboratory (ORNL) as an R&D staff member in 1999, performing research in the areas of hybrid (Monte Carlo/deterministic) radiation transport methods, burnup credit criticality safety, and spent nuclear fuel characterization and safety.

While at ORNL, Wagner held various technical leadership positions, including technical lead for postclosure criticality in support of DOE OCRWM's Lead Laboratory for Repository Systems, Radiation Transport Methods Deputy Focus Area lead for the Consortium for Advanced Simulation of Light Water Reactors (CASL), and national technical director of the DOE Office of Nuclear Energy's Nuclear Fuels Storage and Transportation Planning Project. Wagner also held various management positions, including group leader for the Criticality and Shielding Methods and Applications, Radiation Transport, and Used Fuel Systems groups.

In 2014, Wagner became director of the Reactor and Nuclear Systems Division (RNSD), with responsibility for management direction and leadership to focus and integrate the seven RNSD R&D groups (Advanced Reactor Systems and Safety, Nuclear Data and Criticality Safety, Nuclear Security Modeling, Radiation Transport, Reactor Physics, Thermal Hydraulics and Irradiation Engineering, and Used Fuel Systems) and the Radiation Safety Information Computational Center.

Wagner is a Fellow of the American Nuclear Society and recipient of the 2013 E.O. Lawrence Award. He has authored or co-authored more than 170 refereed journal and conference articles, technical reports, and conference summaries. He was the original developer of the A3MCNP and ADVANTG codes and led the development of the CADIS and Forward-Weighted CADIS hybrid transport methods.



**The Hon. David Freudenthal**  
Former Governor, Wyoming

Dave Freudenthal was born on October 12, 1950 in Thermopolis, Wyoming. He earned a BA in economics at Amherst College in 1973 and a JD degree from the University of Wyoming in 1980. He was elected Governor of Wyoming in 2002; and was re-elected in 2006. Prior to being elected Governor, Dave Freudenthal was: United States Attorney, United States Department of Justice, 1994-2001, Lawyer, Herschler, Freudenthal, Solhug & Bonds, 1980-1994, Administrative Aide, Wyoming Governor's Office, 1977-1980, State Planning Coordinator, Wyoming Governor's Office, 1975-1977, Economist, Wyoming Department of Economic Planning and Development, 1973-1975 Tank Builder, National Brotherhood of Boilermakers and Blacksmiths Union Oil Rig Worker.

As Governor, one of Dave Freudenthal's main goals was to establish and secure funding for a Wildlife and Natural Resources Trust Fund which would provide millions of dollars for habitat protection and improvement over many years to come. Today, the Wildlife Trust Fund currently has almost \$100 million of a \$200 million goal.

Two of the most critical wildlife issues facing Wyoming while he was Governor include the Endangered Species Act (ESA) listing of the Grey Wolf, which had been re-introduced to Yellowstone National Park before the administration took office, and the Greater Sage Grouse possible ESA listing, which had and still has the potential of shutting down energy development in much of the state, and would bring Wyoming's income stream to a trickle. The sage grouse issue is an example of the balance that must be maintained. Governor Freudenthal, in 2003, formed a Sage Grouse team, and whose work resulted in a 2010 federal decision to not list the bird, but to put it on a "watch list," meaning it could be listed at some time in the future. In 2007, with a lawsuit pending over the U.S. Fish and Wildlife's decision not to list the greater sage grouse as endangered, the administration began to map the bird's habitat. Within those mapped "core areas," the state has tightly restricted oil, gas and wind development, all thought to disrupt grouse breeding. Listing of the Greater Sage Grouse as an Endangered Species would have subjected 83 percent of gas producers to new regulations.

Wyoming state government is funded primarily by energy production revenues, much of which is produced from public lands. About half the land in Wyoming is publicly owned. That necessitates a working relationship with the Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service, National Park Service and others. Additionally, many Wyomingites are users of outdoor recreation and hunting and fishing. Because of the importance of energy development and public use of public lands, the administration formed relationships with key federal personnel and continually worked on those relationships. Wyoming Bureau of Land Management Director Don Simpson said this state is now in the enviable position of having other states look to it as to how federal-state relationships can work to facilitate a broad range of public lands challenges. No other state had established as close a working relationship with the BLM, he said.

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The administration also worked with federal managers to allow the state to use what is called “off-site” mitigation for wildlife species. Due to the efforts of the Governor, companies involved in energy development in Sublette County provided millions of dollars in mitigation to address impacts to wildlife and their habitat that occurred as a result of oil and gas development. These dollars are held in an escrow account administered by Wyoming Wildlife – The Foundation and dispersed as requested by the coalition of energy companies, various state agencies, and the Bureau of Land Management known as the Pinedale Anticline Project Administration (PAPA).

By statute, the governor can receive up to 20 complimentary big game licenses each year. At the beginning of his term as Governor, he turned his big game licenses over to the Wyoming Governor's Big Game License Coalition and Wyoming Wildlife – The Foundation to administer on behalf of the Governor's Office. The Foundation and Coalition has continued to administer the licenses for the last 9 years. Proceeds from the sales of the licenses goes toward Wyoming wildlife and habitat projects. Proceeds from the sale of Governor Dave Freudenthal’s big game licenses recently topped \$3 million.

In addition to the myriad of accomplishments made by Dave Freudenthal while he was governor, he was always an advocate and ambassador for the wild things and wild places that make Wyoming such a special place. Dave now works for Crowell & Moring, LLP and is on the Board for Arch Coal. He is also an arming faculty member teaching at the University of Wyoming. Nancy is a Federal District Court Judge. Dave and Nancy have four children – Don, Hillary, Bret and Katie.



**Mr. Gregory “Greg” P. Hill**  
President and Chief Operating Officer  
Hess Corporation

Greg Hill is President and Chief Operating Officer of Hess Corporation, a global independent energy company engaged in the exploration and production of crude oil and natural gas.

Hess is a leading shale oil and gas producer and a leader in deepwater production and development. Its global portfolio is focused in five strategic areas: onshore North America; deepwater Gulf of Mexico, the North Sea, offshore West Africa, and offshore Malaysia. The company is also engaged in exploration and appraisal activities in the Gulf of Mexico, Guyana, Australia and Nova Scotia.

Prior to joining Hess in 2009, Mr. Hill spent 25 years at Shell in a variety of operations, engineering, technical and business leadership roles in Asia Pacific, Europe and the United States.

This included serving as Executive Vice President – Exploration and Production of Singapore-based Shell Asia Pacific, Vice President of Production for Shell E&P Europe, and Senior Vice President of Aera Energy, a California-based joint venture affiliate of Shell and Mobil.

Mr. Hill holds a bachelor’s degree in Mechanical Engineering from the University of Wyoming. He is co-chair of the Wyoming Governor’s Energy, Engineering, STEM Integration Task Force and the Secretary of the University of Wyoming’s Foundation Board of Directors. He also is a member of the 2017 Super Bowl Host Committee, a Board member of the Greater Houston Partnership, and a member of the Blue Ribbon Panel on Sustaining America’s Diverse Fish and Wildlife Resources created in 2014 by the Association of Fish and Wildlife Agencies (AFWA).