



The Energy Trilemma: Affordability, Sustainability & Reliability Program*

Tuesday, May 30, 2023

- 8:30 AM – 12:00 PM **Morning Optional Pre-Conference Workshops** (additional registration required; descriptions of workshops available on IES website)
- From Traditional to Transitional: Negotiating the New AIEN Model JOA**
Norman Nadorff, Special Counsel, Mayer Brown LLP
Harry Sullivan, Jr., Assistant General Counsel, Kosmos Energy & Executive Professor, Texas A&M School of Law
- Above Ground Risk in Energy Transition**
Eric Fry, International Energy Consultant
- 1:00 PM – 7:00 PM **IES Registration**
- 1:30 PM – 5:00 PM **Afternoon Optional Pre-Conference Workshops** (additional registration required; descriptions of workshops available on IES website)
- An Overview & Update of AIEN's New Joint Operating Agreement**
Chris Strong, Partner, Vinson & Elkins LLP
- Negotiating in an Evolving Energy Landscape**
David Hone, Chief Climate Change Adviser, Shell
- 5:30 PM – 7:00 PM **Speed Networking Event** (complimentary for all attendees; registration is on a first come, first served basis onsite, limited to the first 80 attendees)
- 7:00 PM – 9:00 PM **Welcome Reception**

Wednesday, May 31, 2023

- 7:30 AM – 8:30 AM **Registration & Continental Breakfast**
- 8:40 AM – 9:00 AM **Opening Remarks**
J. Scott Porter, Outgoing AIEN President; VP Acquisitions & Divestments and NBD Shales, Deep Water & Global Exploration, Shell plc
- 9:00 AM – 9:45 AM **Keynote Address**
Felipe Bay Bayón, Chief Executive Officer, EcoPetrol
- 9:45 AM – 10:45 AM **Energy Transition: Globalization vs Localization**
- Emerging economies, and those reliant on fossil fuels, are substantially exposed to the shifts that the net-zero energy transition will bring, but they have legitimate growth ambitions as well. These countries are more susceptible to changes in trade balance and employment because exposed sectors make up relatively large parts of their economies. So the energy transition has different meanings for countries and communities. In some areas, it implies moving from an intense carbon energy matrix towards a

cleaner one based on renewable sources. In other countries, it means having access to affordable, reliable, and cleaner energy. In addition, beyond the decarbonization of the energy matrix, we need to progress on projects that allow us to work with nature to compensate for emissions that are impossible to prevent or mitigate (Nature Based Solutions). These projects can create opportunities for countries rich in biodiversity to become key players in this part of the energy transition with positive local impacts and global benefits. Our panel aims to represent different views on the global energy transition, how this is applied locally, and the potential role that nature can play. The conversation will focus on Latin-America, bringing perspectives from different areas of the continent.

10:45 AM – 11:15 AM **Morning Refreshment Break**

11:15 AM – 12:30 PM **eNGO Activism – From the Streets to the Courts**

Society is witnessing an emerging civil society/NGO social movement that is increasing its global reach and influence. The panel seeks to raise the level of awareness of participants at the conference, on the impact that the NGO community is having on business decision making. Through ongoing research, analysis and hands on experience, our (proposed) panelists will present their views on the growing significance of civil society on business activities and how companies are adapting to this change.

12:30 PM – 2:00 PM **Networking Luncheon**

2:00 PM – 2:50 PM **Boulos Lecture Series: Balancing Energy Security, Economic Security, and Climate Security**

Dr. Scott Tinker, Director, Bureau of Economic Geology, The University of Texas at Austin

Each year, AIEN hosts an annual lecture series in honor of Alfred J. Boulos, former AIEN president and highly regarded international energy negotiator. Al was active in the international petroleum industry for more than 50 years, serving as AIEN's sixth president, as well as founding the London-based European Petroleum Negotiators Group (EPNG).

Providing security is a primary objective of every global leader. With the fervent push in Western Europe and the US to address climate issues, and the resultant policy-driven energy crisis in the EU, several important realities are becoming clear. First, there are no clean and dirty, renewable and nonrenewable energy sources. They all have benefits and environmental impacts. There are trade-offs. Second, not everything can, or should be electrified. Many of the industrial materials and services required by global economies such as steel, cement, plastic, ammonia and transoceanic travel require high heat produced by burning energy dense molecules. Finally, secure energy—affordable, reliable and safe—underpins economic health, lifts people from poverty, and provides nations with the ability to invest in the environment, including atmospheric emissions reductions. Intermittent sources such as solar and wind require expensive backup to make them reliable. Recognizing these realities sets the framework for a balanced dialog about energy, climate, poverty, and other major global issues.

2:50 PM – 3:40 PM **Traditional vs New Resources: Competing or Complementary?**

Elisabeth Eljuri, CLC & Chief Negotiator, Westlawn Americas Offshore

Carlos Morales, Director General, PetroBal

Alberto Saggese, CEO, Gas y Petróleo del Neuquen

Latin America is rich in energy resources, both in terms of fossil fuels and renewable resources such as wind, solar and hydro. As the debate unfolds, and the economics and policy features become better defined, we are likely to see investment and exports of both resources and the potential for Latin America to become a power house. Fossils will need to demonstrate a credible path of permanent sequestration in the form of CCS to contribute towards net zero objectives. But affordable prices, new technology and infrastructure will be required from clean energies, and the intermittency of renewables and challenges to deployment will be a factor. Hopefully complementary and synergetic rather than competing, all resources have a major role to play, and this talk will explore the potential outcomes over the next few decades.

3:40 PM – 4:10 PM **Afternoon Refreshment Break**

4:10 PM – 5:00 PM

Understanding How Critical Minerals Influence the Energy Trilemma

Michelle Michot Foss, Ph.D., Fellow in Energy, Minerals & Materials, Center for Energy Studies, Baker Institute for Public Policy, Rice University
Sonia Scarcelli, VP, Xplor Program, BHP

As the world continues to pivot towards clean energy solutions, the responsible sourcing, manufacturing and usage of critical minerals becomes a material watch point in the drive to net zero. This shift to lower carbon technologies is driving critical minerals increased global demand and may be a valuable contribution to vital economic growth in developing countries. Like traditional oil and gas early investments, mineral wealth can materially improve a nations revenue and citizens economic livelihood if managed properly and safely. However, a significant portion of the worlds critical minerals are in challenging jurisdictions with high above ground risk. This panel will explore what are the most critical minerals, what are the global policies in play that air and support the development of these resources, how can we impact the current policies for responsible sourcing and mining of these minerals, and what are the lessons learned from the traditional oil & gas businesses that can translate into responsibly realizing the value of critical minerals in this clean energy transition.

5:00 PM – 5:05 PM

Closing Remarks

7:00 PM – 11:30 PM

Awards Dinner, InterContinental Miami

Thursday, June 1, 2023

7:30 AM – 8:30 AM

Registration & Continental Breakfast

8:30 AM – 8:40 AM

Opening Remarks

8:45 AM – 9:30 AM

Keynote Address

9:30 AM – 10:30 AM

Diversity and Inclusion in the Energy Sector

Leen Zaza, Partner, Khoshaim & Associates
Meredith Sadlowski, Director, Motiva Enterprises (Aramco)
Moderator: Petra Hellfrich, Consultant, Spencer Stuart

As the energy industry is rapidly evolving, it is crucial to ensure that diverse voices are heard and that all members of the industry feel included. This panel will bring together experts from the industry to discuss the unique challenges and opportunities related to diversity and inclusion, including insights into best practices for creating a more equitable and sustainable industry, the importance of local talent development in fostering a diverse and inclusive workforce, and strategies for leveraging the skills and experiences of expat talent.

10:30 AM – 11:00 AM

Morning Refreshment Break

11:00 AM – 11:45 PM

Power Systems in Transition: Infrastructure Development & Electrification Challenges

Lucy Darago, Ph.D., Principal, BCG
James English, Sr. Counsel, Clark Hill Strasburger
Freddie Obando, Chief Commercial Officer & LNG VP for Mexico Central America and Panama City, AES
Moderator: Jose Morán, Global Chair of Energy Mining and Infrastructure, Baker McKenzie

This evolution of our power systems involves a multi-faceted approach, with a critical need for integration/collaboration between producers, energy providers, service providers, off-takers and governments (which often bear most of the costs of new/modified infrastructure). A primary goal of the electrification of economies is decarbonization, so a continued growth of reliable renewables is key – this will involve advancements in technology and natural gas will continue as a lower carbon “energy transition” fuel far into the future. During this transition, Governments and Industry will also need to address ESG pressures from society and investors.

- 11:45 AM – 12:30 PM **Keynote Address**
Fireside Chat: The Need for Pragmatism
Mark Nelson, EVP of Strategy, Policy & Development, Chevron Corporation
- A candid discussion on the need for balanced energy solutions that address security, prosperity, and environment protection.
- 12:30 PM – 2:00 PM **Networking Luncheon**
- 2:00 PM – 3:00 PM **Blue or Green? Which Way Will Latin America Turn?**
Nick Fulford, Senior Director Energy Transition, GaffneyCline
Miriam Barolet Pou, Vice President, Energy Transition Fund, Copenhagen Infrastructure Partners
Drake Hernandez, Senior Associate - Energy & Infrastructure, Charles River Associates (CRA)
- Latin America is rich in energy resources, both in terms of fossil fuels and renewable resources such as wind, solar and hydro. As the debate unfolds, and the economics and policy features become better defined, we are likely to see both Blue and Green technologies for Hydrogen starting to make headway. With global demand for Hydrogen growing, and potential exports from Latin America creating vast opportunity for the region, the potential for a multibillion dollar business is there. Blue Hydrogen, with its low carbon status, will have to demonstrate other advantages to compete with the net zero potential of Green Hydrogen, but to achieve that status, 100% renewable power supplies will be required for Green Hydrogen manufacture, and the intermittency of renewables will be a factor. Conversely, Blue Hydrogen coupled with Natural Gas development will need growing geological resources devoted to permanent sequestration in the form of CCS and will present other challenges to deployment. Whether Blue or Green, Latin America has a major role to play, and this talk will explore the potential outcomes over the next few decades.
- 3:00 PM – 3:30 PM **Afternoon Refreshment Break**
- 3:30 PM – 4:15 PM **ESG: Opportunity or Obstacle for Accelerating Development?**
- 4:15 PM – 5:00 PM **Energy Leaders by Generation and Their Views on Energy Transition Education**
- Leaders across the world have relied heavily on education to achieve global scale progress to human civilization. Achieving energy transition to Net-Zero goals by 2050 requires rapid progress. What is progress if not continuous learning and adapting to new challenges? On this panel, new generation energy leaders engage with long-term veterans and educators to discuss current barriers, required tools, and potential roadmaps to education that will help current and future generations navigate the journey towards our Energy Transition Future.
- 5:00 PM – 5:15 PM **Closing Remarks**
Ricardo Alves Silva, Incoming AIEN President; Partner, Miranda Law Firm