



**U.S. Department of Commerce  
Civil Nuclear Trade Advisory Committee (CINTAC) Meeting  
Eight Charter, 2022-2024**

Tuesday, June 27, 2023, 9:00am – 4:00pm EDT  
Virtual Meeting: MS Teams

MEETING MINUTES

**9:00 – 9:05 Welcome and Introduction**

- Jonathan Chesebro, Designated Federal Officer (DFO) of the CINTAC, U.S. Department of Commerce (DOC) welcomed CINTAC members.

**9:05 – 9:15 Federal Advisory Committee Act Briefing for CINTAC Members**

- Jennifer Chung, Senior Counsel for Advisory Committees, Information Law Division, Office of General Counsel, DOC, provided an overview of FACA requirements.

**9:15 – 9:45 Introduction of CINTAC Members**

- Each CINTAC member introduced themselves, provided a brief overview of their organization, and noted their goals for the CINTAC charter term.

**9:45 – 10:00 Election of CINTAC Leadership (Chair and Vice Chair)**

- CINTAC DFO reviewed procedure for election of Chair and Vice Chair nominees. Chair nominations included: Ralph Hunter (Constellation Energy Generation, LLC), Jeff Merrifield (Pillsbury Winthrop Shaw Pittman, LLP), Craig Piercy (American Nuclear Society). Vice Chair nominations included Carol Berrigan (Nuclear Energy Institute), Jeffrey Merrifield (Pillsbury Winthrop Shaw Pittman, LLP), John Valentino (X-energy, LLC), Craig Piercy (American Nuclear Society).
- CINTAC members voted to determine the Chair and Vice Chair for the 2022-2024 charter. Ralph Hunter (Constellation Energy Generation, LLC) voted to be Chair and Carol Berrigan (Nuclear Energy Institute) voted to be Vice Chair. Pending confirmation by the Secretary, these positions will be confirmed.

**10:00 – 10:45 Presentation: Overview of CINTAC Objectives and Process for Finalizing Recommendations**

- Jonathan Chesebro provided an overview of CINTAC objectives and the process for finalizing recommendations. A sample CINTAC recommendation



was reviewed, the Committee structure was noted, and the process for forming subcommittees was discussed.

**10:45 – 11:00**            **Break**

**11:00am – 11:45**        **TeamUSA Update**

- U.S. government interagency representatives from the TeamUSA Civil Nuclear Working Group provided updates on current activities and answered questions from CINTAC members.
- State Department highlighted ongoing projects. The Foundational Infrastructure for the Responsible Use of Small Modular Reactor Technology (FIRST) was announced in connection with the G7 leaders' summit, and they also announced a SMR project with Romania. FIRST is trending towards more activity in regional frameworks. They highlighted the U.S.-UAE Partnership to Accelerate Transition to Clean Energy (PACE), which is a commitment to catalyze \$100 billion in support for clean energy globally. Nuclear is one of PACE's four pillars. They are also in midst of announcing Project Phoenix, which supports coal plant to SMR conversions in Eastern Europe, Central Europe, and Eurasia.
- U.S. Nuclear Regulatory Commission (NRC) noted that the NRC Chairman will travel to Ghana in mid-July to strengthen relations and show confidence/support. The NRC management team visited Poland to learn more about their licensing process and their plan to license the Westinghouse AP1000. Poland's President of the National Atomic Energy Agency visited U.S. NRC headquarters and renewed Poland's plan for bilateral technical cooperation. U.S. NRC is active on the regulatory track of the IAEA's Nuclear Harmonization and Standardization Initiative (NHSI), where they share information, establish pre-license design/review plans, and leverage other regulatory reviews. U.S. NRC is also involved in FIRST activities.
- U.S. Trade and Development Agency (USTDA) noted that they hosted a delegation from Romania in April that met with companies/visited DC and Idaho National Lab. They are funding a SMR licensing gap analysis in Ukraine which is expected to be completed at the end of September. They are also helping with a state-funded Romanian SMR field study and feasibility study in Indonesia.
- EXIM Bank: Has projects in Romania, Poland, and Brazil. EXIM Bank also provided an overview of recent changes including the duration of their loan tenure has gone from 18 to 22 years. They have a new environmental and social due diligence procedure which relies heavily on the IAEA's safety standards and guides. They also have the Engineering Multiplier Program



(EMP) which provides direct loans or loan guarantees during pre-implementation stage, with a maximum of a 5-year term but then can be rolled into longer transaction, up to 22 years once construction starts. They also have the Make More in America initiative in response to President Biden's Executive Order on Supply Chain, which can finance projects in USA as long as 25% of project is tied to imports.

- U.S. Development Finance Corporation: Noted that they are a USG development finance institution established in 2019 with the goal to partner with private sector. Are focused on low- and middle-income countries but can work in high income countries when projects aim to improve energy supply. They can use tools like direct loans and loan guarantees up to \$1 billion, equity investment early in the lifecycle of companies, and can operate in emerging markets and provide political risk insurance. They are interested in SMR projects that are driven by the private sector.
- U.S. Department of Energy (DOE): Europe and support for Ukraine is an important focus as it endures attack on infrastructure and their post war energy future. To that end, they are engaging with two strategic partners in the region, Poland and Romania. DOE signed a MoU with Finland to engage in topics like SMRs and field management and supply, which reflects interest in turning away from Russia. Africa is also a key focus; DOE participated in Ghana and Kenya visits to the United States that were organized by the State Department's FIRST program, among other engagement with African partners interested in nuclear. DOE welcomes the opportunity to work with the interagency on the FIRST program and wants to take advantage of meeting with delegations coming to the U.S. on study tours.
- U.S. Department of Commerce (DOC): Is planning its annual U.S. Industry Program on the sidelines of the IAEA General Conference this September, (event is almost at capacity). DOC is also supporting the U.S. Pavilion at the November 28-30 World Nuclear Exhibition (WNE) in Paris. DOC will work with the Nuclear Energy Institute (NEI) on programming at the WNE U.S. Pavilion.

#### **11:45 – 12:15 Remarks from DOC/ITA Leadership on DOC and Administration Priorities**

- Dr. Heather Evans, Deputy Assistant Secretary for Manufacturing, DOC/ITA formally welcomed all the members of CINTAC and thanked them for their civic engagement, contributions of time, and expertise. She noted that the Biden-Harris administration strongly supports nuclear energy domestically and internationally because it provides reliable, always on power for industrial applications that are intensive. CINTAC recommendations will be critical to help to support the U.S. by making U.S. civil nuclear companies more competitive. Activities at DOC to support civil nuclear include the Small Modular Reactor Public-Private Program



(SMR PPP), a DOC led interagency initiative to promote cooperation and deployment of SMRs, with initial focus on Europe and Eurasia. DOC anticipates receiving funding from the State Department to further support SMR PPP activities. ITA's Advocacy Center focuses on helping U.S. companies win foreign government procurements. They have 70 civil nuclear cases open in 28 countries.

- After Dr. Evans' remarks, CINTAC members asked questions and noted topics/issues they believed are critical to U.S. civil nuclear industry competitiveness.
  - Multiple CINTAC members noted that when they talk to people around the world, they are keenly interested to see progress in U.S. regarding HALEU and solving the back-end of the fuel cycle. Domestic example setting is critically important to demonstrate that U.S. is committed to these technologies long-term, specifically on advanced nuclear and fuel availability.
  - Another member noted that the strength of the U.S. supply chain is vital to promote nuclear power at home and abroad.
  - A member noted that we need more 123 Agreements in force to enter key markets around the world. There needs to be work with exportability of safeguards by design and participation in the policy discussion about safeguards issues.

**12:15 – 1:00 Lunch Break**

**1:00 – 2:00 Discussion: Subcommittee Structure**

- Members held a brainstorming session to determine CINTAC VIII subcommittee structure. The 1:00-1:30pm portion was conducted in breakout rooms while the breakout group reconvened at 1:30 for report outs to the larger group.
- Breakout groups provided readouts to the full committee on their discussions. Proposed topics for subcommittee engagement included:
  - Financing (including ESG), international capacity building, financing/liability/reconstruction, advancing technology deployment, space/maritime/hydrogen production, environment, climate change and international engagement, fuel, national security, energy security, geopolitics, front-end support, climate change and climate finance, legal/regulatory, supply chain (fuel, HALEU, component manufacturing), deployment, operating plants/life extension, decommissioning, TeamUSA, retroactive look at previous CINTAC recommendations, domestic capacity (fuel, reactors, human capacity), international regulatory standards/research, project delivery/project management, export controls, workforce/capacity building, marketing, knowledge management, market



segmentation perspective (issues depend on the market), communication (helps all subcommittees)

- Multiple members also liked how the CINTAC VII subcommittee names were broad and wanted to emulate that for CINTAC VIII.
- DFO, CINTAC Chair, and Vice Chair will meet to propose three to four subcommittees based on the discussion of these topics.

### **2:00 – 3:00 Discussion: CINTAC Priorities**

- Members held a brainstorming session to determine CINTAC VIII priorities. The 2:00-2:30pm portion was conducted in breakout rooms. The breakout groups reconvened at 2:30 for report outs to the larger group.
- Members agreed that CINTAC recommendations should be aligned with Secretary Raimondo's authorities and priorities. Members noted the need for a strengthened domestic supply chain to generate credibility for international commerce. Members also agreed there needs to be greater investment in domestic capacity and human workforce. In addition to funding new nuclear opportunities, the USG can do life extension on the current fleet and decommission where appropriate. Members agreed that a nuclear energy position in the White House might want to be reestablished.

### **3:00 – 3:15 Conclusion and Next Steps**

- The CINTAC DFO proposed that the Committee meet approximately every two months for the duration of the charter and subcommittees – once stood up – will meet monthly. The group agreed to the following future CINTAC meetings:
  - Thursday, September 7, 2023
  - Thursday, November 16, 2023
  - Thursday, January 11, 2024
  - Thursday, March 14, 2024
  - May 2024 – TBC
  - Thursday, July 18, 2024

### **3:15 – 4:00 Public Comments and Adjourn**

(No members of the public were present at this time)



## MEETING PARTICIPANTS

### CINTAC Members:

- Billy Mack, President and CEO, Accelerant Solutions
- Craig Piercy, Executive Director and CEO, American Nuclear Society (ANS)
- Hash Hashemian, President, Analysis and Measurement Services Corporation (AMS)
- Danielle Castley, Founder & CEO, Becq
- Glenn Neises, Nuclear Director, Burns & McDonnell
- Joshua Parker, Director of Business Development, BWX Technologies, Inc.
- Yassin Hassan, University Distinguished Professor and Director, Center for Advanced Small Modular and Microreactors (CASMR) at Texas A&M University, Center for Advanced Small Modular and Microreactors (CASMR)
- Sean Oehlbert, Vice President, Corporate Business Strategy, Centrus Energy
- Niko McMurray, Managing Director, Public Policy, ClearPath
- Gary Wolski, Vice President, Sales, Curtiss-Wright
- Colin Austin, Senior Vice President of International Business, EnergySolutions
- Donald Hoffman, Founder/President/CEO, EXCEL Services Corporation
- Adam Demella, Senior Vice President, Global Government Affairs and Policy, GE Hitachi Nuclear Energy
- Brandon Brooks, Senior Manager, Strategic Business Development, General Atomics – Electromagnetics (GA-EMS)
- Jackie Toth, Deputy Director, Good Energy Collective
- Amy Roma, Partner and Global Energy Practice Area Leader, Hogan Lovells
- Paul Amico, Director, International Industrial Practice, Jensen Hughes
- Peter Hastings, Vice President, Regulatory Affairs & Quality, Kairos Power LLC
- Seth Grae, President and CEO, Lightbridge Corporation
- Paul Murphy, Managing Director, Murphy Energy & Infrastructure Consulting
- Mike McMahon, Vice President, Transportation and Strategic Projects, NAC International
- Carol Berrigan, Executive Director, Federal Programs and Supplier Relationships, Nuclear Energy Institute
- Ted Garish, International Nuclear Trade Advisor, New Horizons Nuclear Associates (NHNA), LLC
- Rob Sweeney, Head of Energy and Infrastructure, XSolutions
- Jeffrey Merrifield, Partner and Energy Section Leader, Pillsbury Winthrop Shaw Pittman, LLP
- Nathan Schukei, Sales and Business Development Manager, Rosemount Nuclear Instruments, Inc.
- Marcia Burkey, Executive Vice President and Chief Financial Officer, TerraPower, LLC



- Joseph Green, Chief Nuclear Officer, Thermal Engineering International (USA), Inc.
- Alan Ahn, Senior Resident Fellow for the Climate and Energy Program, Third Way
- Michael McMurphy, Senior Fellow, U.S. Nuclear Industry Council (USNIC)
- Elias Gedeon, Senior Vice President, Commercial Operations, Westinghouse Electric
- John Valentino, Director, Business Development, X-energy, LLC
- Rod Baltzer, Chief Operating Officer, Deep Isolation, Deep Isolation

#### Member of the Public

- Gregory Stewart – member of Public Liberty Works

#### U.S. Government

- Jonathan Chesebro, CINTAC DFO, DOC/ITA
- Jennifer Chung, Senior Counsel for Advisory Committees, Information Law Division, Office of General Counsel, DOC
- Kirsten Cutler, Senior Science Advisor, U.S. Department of State, Office of Nuclear, Energy, Safety and Security, Bureau of International Security and Nonproliferation
- Dr. Heather Evans, Deputy Assistant Secretary for Manufacturing, DOC/ITA
- Jac Goodman, Associate Deputy Assistant Secretary for International Nuclear Energy Policy and Cooperation, Office of Nuclear Energy, USDOE
- Laura Denligner, Senior Counterproliferation Advisor, Deputy Team Chief, Office of Cooperative Threat Reduction (ISN/CTR), U.S. Department of State
- Ashok Pasricha, Managing Director, Structured Finance Division, Export Import Bank of USA
- Eric Thomas, Senior Reactor Systems Engineer at U.S. Nuclear Regulatory Commission