**ACEC Water, Energy and Environment Committee**

**2019 Winter Meeting**

**ACEC Headquarters**

**1015 15th Street, N.W., Washington, DC**

**February 25th & 26th, 2019**

**p. 202-347-7474**

[**www.acec.org**](http://www.acec.org)

**Agenda**

**Context**

This Water, Energy and Environment Committee (WEE) Winter meeting will consider the effects of a power shift in the new 116th Congress on energy and water policy making as that may influence infrastructure, e.g., climate mitigation/adaptation. Near-term matters related to recent policy changes will also be covered: future risk mitigation, integrated planning, and emerging contaminants.

The new Democrat-led House appears to be organized with priority on oversight of the Administration. An infrastructure initiative is thought to be a potential bipartisan priority that could include energy and water. The dust may have settled from the drop of the [Green New Deal](https://www.npr.org/2019/02/07/691997301/rep-alexandria-ocasio-cortez-releases-green-new-deal-outline) as the many House committees of jurisdiction will likely be in a dialogue and posturing for more serious action in the next Congress in 2021. The current Republican Senate will be far more subdued about supporting any aspects of the Green New Deal.

Energy and water policy debate (WRDA, energy/water and environment appropriations) will likely be influenced by climate change activism recharged by Democrat control, the release of the Green New Deal, and (digging deeper looking for the consensus) the [4th National Climate Assessment](https://www.noaa.gov/news/new-federal-climate-assessment-for-us-released) released late November 2018. In our meeting (see below) we have two lead authors of key chapters of the Assessment, one for water and another for energy. What consensus in energy and water infrastructure resilience measures or standards are likely to emerge? How will climate resilient energy and water infrastructure be financed? Who pays? Will the consensus include nuclear, carbon capture and storage, eminent domain? Will FERC nominations become a proxy battle in the GND dialogue/debate?

House climate hearings will have occurred by the time of this meeting. Water policy debate may emerge concerning the pace of Army Corp and HUD spending of $30 billion in disaster relief funds approved February 9, 2018 on “future risk mitigation.” Further, the signing into law of the Disaster Recovery Reform Act October 5, 2018 makes up to 6% of disaster funds administered through FEMA available for “future risk mitigation.” How will infrastructure be engineered under these changes?

Among other timely environmental topics: “integrated planning” and “emerging contaminants” e.g., PFAS. See agenda items on integrated planning and the DoD PFAS program below.

Cyber security is among the highest priority issues generally cited in business and government. Russian placement of malware into the industrial control systems of the US grid has many on edge. [WSJ 01.10.19 Russian Hackers Entered Back Door to US Grid](https://www.wsj.com/articles/americas-electric-grid-has-a-vulnerable-back-doorand-russia-walked-through-it-11547137112) . The Back Door was an engineering trade publication business, which raises some uncomfortable questions, close to home, which we hope to discuss.

What are the key legislative/regulatory initiatives for the ACEC WEE to monitor or engage?

How should the ACEC WEE engage?

The WEE 2019 Winter meeting is aiming to cover the road ahead on these important topics.

*Monday, February 25, 2019*

8:00 a.m. **Breakfast**

8:15 a.m. **Opening Remarks, Introductions & Announcements**

Clint Robinson, Chairman, ACEC Water, Environment & Energy Committee

Black & Veatch

[Lynn Schloesser](https://www.linkedin.com/in/lynnschloesser), Director, ACEC Water, Environmental & Energy Programs

8:30 a.m. **Governmental Affairs - Federal Overview: Executive, Legislative, Regulatory, Judicial**

[Steve Hall](http://acecmo.org/wp-content/uploads/BIO-Steve-Hall.pdf) Senior Vice President Government Affairs, ACEC, and Lynn Schloesser, Director of Water, Energy and Environment Programs

9:00 a.m. **Water Infrastructure:** Integrated Planning

* New [Integrated Planning Legislation](https://www.usmayors.org/2019/01/08/integrated-planning-legislation-adopted-by-congress/) - What does it mean in practice for municipal sanitary sewer systems, and CSO/stormwater management?
* Fred Andes, Partner, Barnes & Thornburg, Chicago IL(confirmed)

10:15 a.m. **Break**

10:30 a.m. **Resilience:** Water Infrastructure - Iterative Risk Management - What does a realistic follow-on iterative risk management program look like beyond the 2018 supplemental? 

* [4th National Climate Assessment Chapter 28](https://nca2018.globalchange.gov/chapter/28/) “Reducing Risks Through Adaptation Actions”
* **Jeffrey Arnold (confirmed),** U.S. Army Corps of Engineers,Federal Coordinating Lead Author

12:00 Noon **Lunch**

12:30 p.m. **Emerging Contaminants** - **PFAS**: DoD PFAS Assessment, Actions and Plans

### [Maureen Sullivan](https://www.acq.osd.mil/eie/Bios.html), Deputy Assistant Secretary of Defense for Environment (confirmed)

1:20 p.m. **Resilience:** Energy Infrastructure – How is climate risk management changing energy system planning and investment?

* [4th National Climate Assessment Chapter 4](https://nca2018.globalchange.gov/chapter/4/) “Energy Supply, Delivery, and Demand”
* Craig Zamuda (confirmed) Chapter Lead, Senior Policy Advisor, Department of Energy

2:50 p.m. **Break**

3:00 p.m. **Energy Technology** **Commercialization –** DOE Loan Program Office

* Doug Schultz, DOE LPO (confirmed)
* <https://www.energy.gov/lpo/loan-programs-office>

4:00 p.m. **Cyber Security:** Best Practices, Policy – What do clients require? What are the regulatory/legislative expectations? What are ACEC and its members’ best practices?

* Tracey Monteith, Black & Veatch (confirmed)
* James Spiers, NRECA (confirmed)
* [WSJ 01.10.19 Russian Hackers Entered Back Door to US Grid](https://www.wsj.com/articles/americas-electric-grid-has-a-vulnerable-back-doorand-russia-walked-through-it-11547137112)
* Discussion with wine and cheese

5:00 p.m. **Adjourn**

6:00 p.m. **Committee dinner for registered attendees:** Lincoln Restaurant,

1110 Vermont Ave NW, Washington, DC (202) 386-9200

*Tuesday, February 26, 2019*

8:15 a.m. **Breakfast**

9:00 a.m. **Finance-** WIFIA implementation Army Corp

* John Coho, Army Corp of Engineers (confirmed)

10:15 a.m. **Break**

10:30 a.m. **Mayors and Materials (plastic pipe)**

* See [here](http://www.usmayors.org/wp-content/uploads/2018/10/2018-Procurement-PDF-FINAL.pdf) for the full report. **–** US Conference of Mayors (Rich Anderson, call-in).
* <https://www.usmayors.org/2018/10/12/u-s-conference-of-mayors-releases-new-report-on-how-competitive-bidding-can-help-nations-troubled-water-infrastructure/>

11:00 a.m. **Lunch -** **Discussion**

**Suggested Advocacy/Awareness/Education Action Items:**

* ACEC Foundation
* Green New Deal
* Regulatory reform: NEPA, CWA, etc.
  + Developments on WOTUS
* Integrated Planning
* Cyber security
* Emerging Contaminants (recent Hill visits)
* Climate Resilience – May 7, session ACEC annual convention
* Regional developments: Marcellus/Utica/Rogersville; Colorado River
* Fall Conference 2019, Chicago Ill. session ideas:
  + inland water/energy resilience;
  + Great Lakes and emerging contaminants;
  + energy policy to meet challenges of climate change
  + association, member, and MO cyber security best practices

**Dates, locations, topics for EEC Summer meeting:**

* Suggested date/location: W/Th August, 21-22 or 28-29, 2019, location TBD (west or mid-west)
* Topics

1:00 p.m. **Adjourn –** next WEE meeting ACEC annual convention, Tues. May 7, 10:30 am.

concurrent session sponsor: Disaster Mitigation: Resilience Planning and Investment Under the New Law, Monday May 6, 2:45 pm - 4:00 pm.

**References:**

PFAS

<https://www.epa.gov/pfas/epas-pfas-action-plan>

<https://www.militarytimes.com/news/your-military/2018/04/26/dod-126-bases-report-water-contaminants-harmful-to-infant-development-tied-to-cancers/>

<https://www.gao.gov/products/GAO-18-700T>

<https://www.epa.gov/sites/production/files/2018-11/documents/lgac-pfas_report-nov-2018.pdf>

Green New Deal

<https://apps.npr.org/documents/document.html?id=5729035-Green-New-Deal-FAQ>

<https://www.documentcloud.org/documents/5729033-Green-New-Deal-FINAL.html>

Energy Policy DOE LPO

<https://www.eenews.net/eedaily/2019/02/08/stories/1060119989>

Future Risk Mitigation

[National Institute of Building Sciences: Value of Mitigation Report](https://www.nibs.org/news/381874/National-Institute-of-Building-Sciences-Issues-New-Report-on-the-Value-of-Mitigation.html)

**Bios**

**Fred Andes**

Fred is involved in clean water issues on the national and state levels. He was selected by the EPA to serve on the Federal Advisory Committee on the Total Maximum Daily Load (TMDL) Program. He is serving as coordinator for the Federal Water Quality Coalition, which is a group of municipal and other regulated parties that is participating in EPA's rulemaking on TMDLs and other key Clean Water Act programs.

Fred is also advising trade associations, industries, and municipalities on TMDLs, permits, and other water quality matters on the state and federal levels, including development of water quality standards, listings, TMDLs, and permit conditions. Fred has been recognized by *Illinois Super Lawyers Magazine* since 2014. He also regularly appears on the *Best Lawyers in America* and *Chambers USA*lists for his work in environmental law. Before coming to Barnes & Thornburg, Fred was a partner with the Chicago law firm of Sonnenschein Nath & Rosenthal. Prior to working in Chicago, he spent nine years practicing environmental law in Washington, D.C.

Fred graduated *cum laude* from Harvard Law School in 1980. He obtained his undergraduate degree from Northwestern University in 1977. Fred is a member of the Illinois State, District of Columbia, and American Bar Associations. He is admitted to practice in the state of Illinois, the District of Columbia, the U.S. District Courts for the Northern District of Illinois and the District of Columbia, and the U.S. Courts of Appeals for the First, Second, Fourth, Fifth, Sixth, Seventh, Ninth, Tenth, Eleventh, and D.C. Circuits.

**Jeff Arnold**

Ph.D., Senior Climate Scientist, U.S. Army Corps of Engineers’ Institute for Water Resources

Jeff Arnold is the senior climate scientist at USACE’s Institute for Water Resources (IWR). He works on climate and global change technical and science policy concerns where atmospheric and hydrologic problems converge. At IWR, Arnold also leads the climate and global change mitigation work, and USACE’s efforts to integrate climate change mitigation and adaption planning and actions. He came to USACE in 2009 after working in NOAA and USEPA research labs. Arnold holds a Ph.D. in atmospheric chemistry and physics from the University of North Carolina at Chapel Hill. He can be reached at [jeffrey.r.arnold@usace.army.mil](mailto:jeffrey.r.arnold@usace.army.mil).

**Maureen Sullivan**Ms. Sullivan is the Deputy Assistant Secretary of Defense for Environment in the Office of the Assistant Secretary of Defense (Sustainment). She is responsible for DoD’s policies and programs related to compliance with environmental laws; management of natural and cultural resources; cleanup of contaminated sites; safety & occupational health; fire and emergency services; green/sustainable buildings; installation emergency management; international environmental compliance and cleanup efforts; strategic sustainability planning; and planning to address emerging contaminants. Ms. Sullivan is also responsible for the DoD Native American program. She oversees the Armed Forces Pest Management Board, the Department of Defense Explosives Safety Board, the Environmental Security Technology Certification Program (ESTCP), and the Strategic Environmental Research and Development Program (SERDP). Ms. Sullivan is the Department of Defense Federal Preservation Officer and represents the Secretary of Defense on the President’s Advisory Council on Historic Preservation. Ms. Sullivan is a member of the General Services Administration’s Green Building Advisory Committee. She also represents the Department of Defense on the National Invasive Species Council and the Wildland Fire Leadership Council. Ms. Sullivan serves as the DoD Chief Environmental Review and Permitting Officer.

**Craig Zamuda**

Craig Zamuda is a senior policy advisor providing policy and technical advice on U.S. Department of Energy (DOE) programs related to energy sector vulnerabilities, resilience and reliability. He represents DOE in domestic and international fora for the advancement of mitigation and sustainability activities. He has provided leadership and support to the establishment of DOE’s Partnership for Energy Sector Climate Resilience with a diversity of electric utilities that focuses on characterizing critical infrastructure vulnerabilities; identifying and deploying cost-effective resilience activities and best practices, and addressing key research and policy opportunities.

Craig has served as a lead author on numerous reports related to the energy sector and resilience to extreme weather and climate change. including the Energy Chapter of the Fourth National Climate Assessment released by the White House in late-2018, as well as, *Climate Change and the Electricity Sector: Guide for Climate Change Resilience Planning; Guide for Assessing Vulnerabilities and Developing Resilience Solutions to Sea Level Rise; Climate Change and the U.S. Energy Sector: Regional Vulnerabilities and Resilience Solutions;* and, *U.S. Energy Sector Vulnerabilities to Climate Change and Extreme Weather.* These guides and reports examine current and potential impacts of extreme weather and climate change on the energy sector, and resilience solutions and opportunities to enhance preparedness and resilience.

Craig has over 35 years of federal experience with DOE, the U.S. Environmental Protection Agency, and the U.S. House of Representatives. He has a Ph.D. in Environmental Sciences from the University of Maryland, and a BS and MS in Biological Sciences from Rutgers University and East Carolina University, respectively.

**Douglas Schultz**

Mr. Douglas Schultz is the Director of Loan Guarantee Origination for the U.S. Department of Energy’s Loan Programs Office (LPO). He leads LPO’s lending activities focused on innovative alternative energy projects in the U.S. including solar, wind, geothermal, biofuels, clean fossil, nuclear, and the related transmission and extraction infrastructure. An accomplished executive and proven innovator, Mr. Schultz has been active as a consultant, developer and lender in the energy and infrastructure sectors for over 20 years in the U.S. and abroad.

Prior to joining LPO, Mr. Schultz was a Senior Investment Officer at the Overseas Private Investment Corporation (OPIC). In the private sector, he was the Manager of Project Development and Finance at KMR Power Corporation, a global independent power company, directing the company’s development and financing of green field power projects and acquisitions throughout the Middle East, Asia and Africa. He was also a Principal Consultant at K&M Engineering and Consulting, an emerging market leader in public/private partnerships where he successfully advised governments and multilateral agencies around the world on privatization and Build-Own-Operate (BOO)/ Build-Operate-Transfer (BOT) project implementation. Earlier in his career Mr. Schultz was an expert consultant with the international management and economic consulting firm of Nathan Associates focusing primarily on the evaluation and structuring of large public and private infrastructure projects.

**Tracy Monteith**

Tracy Monteith is Black & Veatch Management Consulting’s subject matter expert on cybersecurity compliance and the operationalization of cybersecurity policies, procedures, and governance. Tracy provides compliance guidance, coordination, documentation, engineering reviews, vulnerability and resiliency assessments that assist Black & Veatch customers to ensure compliance NERC Critical Infrastructure Protection (CIP) standards. Additionally, Tracy provides recommendations that increase operational maturity for utility companies to protect power control systems, power generation, and power transmission systems and increase operational efficiencies. Tracy provides NIST-compliant vulnerability assessments and vulnerability mitigation guidance that exceeds the standards of basic compliance. He is NERC Audit Trained and operationalizes policies, procedures and governance in Network and Security Operations Centers. Tracy’s background in cybersecurity and compliance comes from his service as a U.S. Army Lieutenant Colonel. Tracy recently served as the Chief of Projects for U.S. Army Central Command (USARCENT) where he managed a team of 12 project managers responsible for 42 strategic and network resiliency projects (valued at ~$232M).

**Jim Spiers**

Jim Spiers is Senior Vice President, Business and Technologies Strategies for the National Rural Electric Cooperative Association. For more than 25 years, Jim Spiers’ energy sector experience has spanned operations, planning, rate setting, regulation, restructuring, technology and business strategy.

Before joining NRECA in 2014 as vice president of technology, engineering and economic analysis, Jim served as senior vice president of business strategy and chief technology officer at Tri-State Generation and Transmission Association. He directed high-profile rate and resource planning, forecasting and modeling tool development, information technologies and enterprise risk management and research initiatives, including carbon dioxide mitigation through inducement prize development (XPRIZE); development of an R&D test center at a coal-fired power facility; and formation of an international network of researchers focused on converting carbon emissions into an asset.

Prior to his tenure at Tri-State, Jim was an independent energy consultant. From 1986 to 1991, he was director of the Colorado Public Utilities Commission. He has a law degree from the University of Colorado School of Law and a B.A. from Mesa College in Grand Junction, Colorado.

**John Coho**

John Coho is member of the US Army Corps of Engineers Infrastructure Team where his duties include program development and implementation for the USACE Water Infrastructure Finance and Innovation Act (WIFIA) program and the USACE public-private partnership (P3) pilot program. John joined the Corps in 2008 after serving 24 years in the military and 7 years in the Office of the Secretary of Defense. Throughout his career, he has led a broad spectrum of environmental and sustainability programs, ranging from environmental compliance and clean-up, to environmental management systems, and most recently sustainability and energy. John holds bachelors and masters degrees in environmental engineering. He is a licensed professional engineer and a certified energy manager.

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