

Environment & Energy Committee 2016 Summer Meeting

August 24-25, 2016

ACEC National Headquarters, 1015 15th Street, NW (8th Floor)

Washington, D.C. 20005

REGISTRATION FORM

Name _____ First Name for Badge _____

Title _____

Firm _____

Address _____

City/State/Zip _____

Telephone/Fax _____

E-mail _____

ACEC Room Block Reserved At:

DONOVAN HOUSE - A Kimpton Hotel

[CLICK HERE](#) to make your hotel reservation

1155 14th Street, N.W.

Washington, D.C. 20005

(202) 737-1200

ACEC Rate: \$159.00/night (plus tax) for the nights of August 23rd, 2016 and August 24th, 2016. The ACEC rate is applicable three days before and 3 days after the official meeting dates based on availability. To extend your stay, contact Gergana Bobeva at gergana.bobeva@donovanhoteldc.com or 202-521-1413.

Hotel Cutoff Date: August 2nd, 2016

Please make your reservations as soon as possible. When the group block sells out or after August 2nd, 2016 rooms will be on a space and rate available basis.

Making Your Hotel Reservations:

- Attendees must be registered for the committee meeting in order to secure a room at ACEC's discounted rate.
- Attendees are responsible for making their own hotel reservations. Hotel information is listed above.
- Questions regarding registration contact Jessica Torrero, jtorrero@acec.org, (202) 682-4316.
- Questions regarding the meeting agenda, contact Lynn Schloesser, lschloesser@acec.org, (202) 682-4354.
- **Fax** registration form to (202) 682-4361, or **mail** to ACEC, ATTN: Jessica Torrero, 1015 15th Street, NW, 8th Floor, Washington, D.C. 20005-2605.

Registration Fee

\$140.00 (includes all meeting costs, lunches, breaks and Committee dinner)

Amount Enclosed \$ _____

PAYMENT INFORMATION

☐ Check

☐ American Express

☐ Visa

☐ MasterCard

Credit Card Number _____ Exp. Date _____

Name on Card: _____

Signature _____

Approximately 91 percent of the registration fee for this meeting is allocable to meals and/or entertainment. In accordance with IRS requirements, 50 percent of such allocations may be tax-deductible as a business expense. The remainder of the registration fee (51 percent) may also be deductible as a business expense. Spouse/guest fees for the convention are non-deductible. This notice is provided for informational purposes only and is not intended as tax advice. Please consult a tax professional for advice on the deductibility of your expenses. ACEC and its officers, directors, agents, volunteers, and employees are not responsible for, and expressly disclaim, liability for any and all losses, damages, claims, and causes of action of any sort, whether direct, indirect, or consequential, arising out of or resulting from any use, reference to, or reliance on this information.

**ACEC Environment & Energy Committee
Summer Meeting
ACEC Headquarters
1015 15th Street, N.W., Washington, DC
August 24th and 25th, 2016**

Agenda

<i>Wednesday, August 24, 2016</i>

Theme: resources, locations, applications, finance, regulatory barriers. This meeting will examine the challenges and opportunities of cities in regions where there are escalating interdependencies of energy and water resources and infrastructure.

With the WRI Ross Center for Sustainable Cities we will learn about the WRI program with 30 cities to achieve sustainability goals. The US Council of Mayors will highlight water service rate and revenue issues. A panel will review the operation of the National Environmental Policy Act over the past four decades and whether it is becoming a major barrier in infrastructure development. We will hear the latest developments in public, private and P3 project financing. Panels will present regional power and water challenges and strategies and the developments in “water utilities of the future.”

Speakers from the National League of Cities the Smart Cities Council will discuss US cities of opportunity and innovation in terms of energy and environmental resources management.

Finally, we will get an update on new perspectives on design services in water and electricity. With the Ukrainian power disruption late last year, federal initiatives now suggest need for both manual measures and industrial control system component certification.

With the regional, urban, finance, and regulatory background of the meeting, a robust discussion should point to objectives and goals for ACEC advocacy and awareness in the next congress and administration.

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

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

Jack Hand, Chairman, ACEC Environment & Energy Committee
POWER Engineering

Lynn Schloesser, Director, ACEC Environmental & Energy Programs

8:30 a.m. **Governmental Affairs – Federal Overview Legislative, Regulatory, Judicial**
Steve Hall, Lynn Schloesser

- 9:15 a.m. **Resource Challenges and Regulatory Barriers –**
- What and where are the major challenges to available resource access and use to meet urban needs?
 - What are the major financial/regulatory barriers to energy and water infrastructure investments that would meet these challenges?

Panelists:

- Jennifer Layke, WRI Ross Center for Sustainable Cities
- Richard Anderson, Senior Advisor, US Council of Mayors

- 10:30 a.m. **Break**

- 10:45 a.m. **Financial Trends - Federal, State, Private and P3 – Macquarie/Carlyle –**
- Are the current frameworks for investment working?
 - What are the trends?
 - What are the barriers that need to be addressed?

Panelists:

- D.J. Gribbins, HDR (former Macquarie, World Bank, etc.); and
- *Peter Taylor*, (Carlyle Group, Infrastructure Opportunity Fund; former Hasting Funds Management)

- 12:00 Noon **Lunch**

- 12:30 p.m. **Pipeline Action Group - Energy Equipment and Infrastructure Alliance**
The “Keep it in the Ground Movement” appears organized to stop pipeline construction.
- How effective is it?
 - How is industry responding?

Speaker:

- Toby Mack, President and CEO, EEIA

- 1:30 p.m. **North American Energy Infrastructure –Through the NEPA Lens –**
NEPA has been in place for more than 4 decades, and replicated around the world, how has it worked or not worked?
- Does NEPA need reform?
 - If so, what reform?

Panelists:

- Roger R Martella Jr., Partner, Sidley Austin LLP Washington, D.C.
- Lucian Pugliese President, Energy Policy Research Foundation, Inc.

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

3:00 p.m. **Integrated Regional Resource Management**

North American regional water-energy resource interdependencies are rising. Deepening droughts and water demand growth, separately or together, are driving regional water-energy management issues across federal and state jurisdictional boundaries. Urban/energy/industrial, agricultural, transportation, recreational, and fishery demands are in ever stiffening competition on a regional basis. The most acute interdependencies and conflicts appear to be in the southwest (Los Angeles, Phoenix, SRP). But other regional examples are growing: southeast (Atlanta (GA/AL/FL)). Some areas appear to have less conflict (TVA, Bonneville, Great Lakes) due to natural circumstances and long institutional development to address water-energy resource issues.

- How are interdependencies of water-energy-food resources managed in the federal government and with Canada and Mexico?
- How are these models of interdependent resource management successfully adapting to foreseeable changing demands?
- Are there institutional gaps that should be filled to achieve better management of interdependencies?

Panelists:

- *TBD*, US Army Corp of Engineers
- David Raff, Science Advisor, Bureau of Reclamation

4:00 p.m. **Developments in the Water Utility of the Future**

Utility business models have changed and are changing. Telecommunications and electricity have, and are undergoing, enormous change. Water utilities (providing both safe and clean water services) are following a similar path along a continuum toward the Water Resources Utility of the Future. In some respects, many water utilities have already achieved this future form, where compliance with federal statutes and other requirements is simply the floor, above which they are moving in exciting new directions.

- How is a focus on resource recovery changing the way water utilities do business?
- What efforts are underway to better enable water utilities to take risks on new and innovative technologies?
- What type of innovative partnering and financing arrangements are being explored by water utilities?

Panelists:

- Nathan Gardner-Andrews, National Association of Clean Water Agencies
- Adam Carpenter, American Water Works Association

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

6:00 p.m. **Committee Dinner** TBD one option:
Lincoln Restaurant
1110 Vermont Ave, NW
Washington, DC

<i>Thursday, August 25, 2016</i>

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

9:00 a.m. **Energy and Water - Cities of Opportunity and Innovation**

The National League of Cities has thousands of members who participate in the development and execution of a federal advocacy program.

- What are the NLC's advocacy priorities?
- What are the NLC energy, water and environmental infrastructure issues?

Speaker:

- Carolyn Berndt, National League of Cities

The Smart Cities Council envisions a world where digital technology and intelligent design create smart, sustainable cities with high-quality living and jobs. SCC promotes smart market development through advocacy and action. SCC promotes gathering and use of data from smart devices and sensors embedded in roadways, power grids, buildings and other assets to create valuable information and digitally enhanced services.

- How does the SCC program apply to infrastructure planning and development to meet energy, air, water, and waste challenges?
- What are the regulatory concerns or barriers in smart city development?

Speaker:

- Jason Nelson, Smart Cities Council

10:15 a.m. Break:

10:30 a.m. **Integrating Innovation into Regulatory Frameworks -**

Conventional and unconventional means to bolster reliability and resiliency of infrastructure are under development or consideration. This year the U.S. Naval Academy has returned to training on the use of the sextant. The US Senate Energy Committee held a hearing in July on research into manual technologies to

address Ukrainian-like grid threats and a few days later FERC issued its final supply chain rule that included a suggestion that manual systems may be reasonable cyber security measures. What do these developments mean for energy and water system design?

- How can industry and regulatory bodies improve collaboration on reliability, security and resiliency while fostering innovation?
- What are the barriers to finance of energy and water infrastructure innovation, and how have they been addressed?

Panelists:

- Linda Hanifin Bonner, Water Design Build Council
- *Joel deJesus*, Dinsmore & Shohl LLP; or *Marcus Sachs*, NERC

11:30 a.m. **Discussion/Lunch**

- Suggested Advocacy/Awareness/Education Action Items
- Topics and Date for Committee Winter Meeting (February 2017)

1:00 p.m. **Adjourn**

References

End