

The logo features the text "NARUC" in blue, followed by a stylized yellow sun icon with rays, and the word "Summer" in red. A horizontal line in red and yellow separates "Summer" from "Policy Summit", which is written in a large, red, serif font.

NARUC Summer Policy Summit

Fairmont Scottsdale Princess

Scottsdale, Arizona

July 15–18, 2018



2018 NARUC Officers

John W. Betkoski III President

Connecticut Public Utilities
Regulatory Authority

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Commission

David E. Ziegner Treasurer

Indiana Utility Regulatory
Commission

Greg R. White Executive Director

National Association of
Regulatory Utility
Commissioners

Welcome to Scottsdale for NARUC's Summer Policy Summit!

It is our pleasure to convene panels focused on the practical policy matters and other issues relevant to our state commission members and stakeholders.

Whether your interests are focused on electricity, gas, critical infrastructure, water, telecommunications, consumers, international relations, or the full spectrum of utility-related topics, our committees and subcommittees have done an outstanding job facilitating the best topics and speakers available.

After a day of subcommittee meetings on Sunday, we will kick off Monday's General Session with a talk from Department of Energy Assistant Secretary Bruce J. Walker, who will discuss *'Advancing Reliability and Resiliency in the Electric Power System.'* A moderated panel follows, with insights on *'How to Create and Implement an Innovative Ecosystem in the Water and Energy Nexus.'* A related theme, *'Understanding the Water-Energy Nexus in the Desert'* is featured on Tuesday. Our final General Session on Wednesday leads with a thoughtful question, *'Regulatory Yoga: Are We Flexible Enough?'*

Many of you may wonder about NARUC's current priorities and why and how we advocate on behalf of state utility regulators. Our closing General Session, *'Advocacy Update: There's Bite in Our Bark,'* will provide insights on why NARUC's advocacy is important and allow our committee chairs to highlight their priorities.

The NARUC app will help guide you through the agenda, which is moving toward paperless by our next meeting. Along with tracking sessions, you can review related documents, read the resolutions, and interact with other attendees, if you like. If you haven't downloaded the app, a NARUC staff member can assist you.

We understand that your schedules are full—finding the time and getting the approval to attend meetings is often difficult. However, there is a constant flow of changes occurring at the national level that affect states, along with new and exciting innovations and trends that are important to share with members and stakeholders. Thank you for including NARUC's Policy Summit in your summer activities.

As always, we cannot say thank you enough to all of the state members who have worked with NARUC staff to organize this year's summit.



John Betkoski III
NARUC President
Connecticut Public Utilities
Regulatory Authority



Greg White
NARUC Executive Director

What You Need to Know

Hotel Information

Fairmont Scottsdale Princess

7575 E Princess Drive
Scottsdale, AZ 85255
(480) 585-4848

Overflow Hotel

Scottsdale Marriott at McDowell Mountains

16770 North Perimeter Drive
Scottsdale, AZ 85260
(480) 502-3836

Registration and Information Desk

The NARUC registration and information desk will be open the following hours:

Sunday 8:00 a.m.–6:30 p.m.

Monday 8:30 a.m.–5:00 p.m.

Tuesday 8:30 a.m.–4:00 p.m.

Wednesday 9:00 a.m.–11:45 a.m.

Internet

The access code for wifi is NARUCAZ18 (not case sensitive).

Badge Color Identification

Badges must be worn and visible at all times when attending a NARUC meeting or event.

Blue – Commissioners

Green – Industry

Red – Commission Staff

Tan – NASUCA/Public Interest/Consumer Groups/
Federal/State Agencies (nonmembers)

Purple – Media

Taping/Video Policy

Unless you receive prior approval from NARUC, only credentialed members of the press are allowed to tape or video NARUC sessions. This policy gives comfort to our speakers and protects NARUC from potential legal action. If you wish to tape or record any portion of the NARUC meeting, please contact Director of Communications, Regina L. Davis, at rdavis@naruc.org for permission.

In the spirit of July 4th — the NARUC Summer Policy Summit will be **Independent of a detailed final program!**

Be **Liberated from paper. Download our App!**

If you attended the NARUC Winter Policy Summit and still have the MeetingPlay Events app on your phone then open the app.

- Go to the left side navigation and scroll to the bottom and click **logout**.
- Select **passcode** and enter **narucs18**.
- Login with the email used for your registration.

If you do NOT have the MeetingPlay Events app, follow these steps.

- Go to <http://startmp.com/download/> with your mobile device.

This will redirect to your device's app store (iOS and Android) to start the download of the MeetingPlay Events app. *You may need your App store password.*

- Access the MeetingPlay Events App. Once downloaded select **passcode** and enter **narucs18**.
- Login with the email used for your registration.

Congrats — You now have access to the NARUC Summer Policy Summit app.



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Blue Level



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SUNDAY

8:00 a.m.–6:30 p.m.	Registration	
8:30 a.m.–4:00 p.m.	Staff Subcommittee on Telecommunications	Palomino 1 & 2
9:00 a.m.–11:45 a.m.	Staff Subcommittee on Energy Resources and the Environment	Palomino 4 & 5
9:00 a.m.–11:45 a.m.	Subcommittee on Supplier and Workforce Diversity	Palomino 8–10
9:00 a.m.–11:45 a.m.	Staff Subcommittee on Consumers and the Public Interest (Closed Meeting 9:00 a.m.–10:15 a.m.)	Arabian / Palomino 4 & 5
9:00 a.m.–11:45 a.m.	Staff Subcommittee on Rate Design	Palomino 6 & 7
9:00 a.m.–11:45 a.m.	Staff Subcommittee on Water	Palomino 6 & 7
9:00 a.m.–10:15 a.m. and 3:30 p.m.–4:45 p.m.	Staff Subcommittee on Electricity	Palomino 4 & 5 / Palomino 8–10
9:00 a.m.–10:15 a.m. and 3:30 p.m.–4:45 p.m.	Staff Subcommittee on Electric Reliability	Palomino 4 & 5 / Palomino 8–10
10:00 a.m.–11:45 a.m.	Washington Action (Closed Meeting)	Moor 3
10:15 a.m.–10:30 a.m.	Networking Break	Foyer
10:30 a.m.–11:45 a.m.	Staff Subcommittee on Critical Infrastructure (Closed Meeting)	Arabian
11:00 a.m.–1:00 p.m.	New Commissioner Forum (New Commissioners Only)	Dorado
1:30 p.m.–5:00 p.m.	Committee on International Relations	Palomino 6 & 7
1:30 p.m.–5:00 p.m.	Committee on Critical Infrastructure	Palomino 8–10
1:30 p.m.–5:00 p.m.	Staff Subcommittee on Gas	Palomino 3
1:30 p.m.–5:00 p.m.	Staff Subcommittee on Pipeline Safety	Palomino 3
2:30 p.m.–4:30 p.m.	Staff Subcommittee on Executive Management (Closed Meeting)	Moor 3
2:30 p.m.–4:30 p.m.	Staff Subcommittee on Information Services (Closed Meeting)	Moor 3
2:30 p.m.–3:00 p.m.	Networking Break	Foyer
3:30 p.m.–4:45 p.m.	Committee on Electricity	Palomino 8–10
3:30 p.m.–5:00 p.m.	Committee on Consumers and the Public Interest (Closed Business Meeting)	Arabian
3:30 p.m.–5:00 p.m.	Committee on Energy Resources and the Environment	Palomino 8–10
3:45 p.m.–4:00 p.m.	Networking Break	Foyer
5:00 p.m.–6:30 p.m.	Welcome Reception	Princess Ballroom



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MONDAY

6:30 a.m.–8:15 a.m.	OPSI Breakfast	Princess Salon C
8:30 a.m.–5:00 p.m.	Registration	
8:30 a.m.–10:15 a.m.	General Session	Princess Ballroom
10:15 a.m.–10:30 a.m.	Networking Break	Foyer
10:30 a.m.–5:00 p.m.	Committee on Electricity	Palomino 4 & 5
10:45 a.m.–2:30 p.m.	Task Force on Innovation	Palomino 8–10 / Palomino 4 & 5
10:45 a.m.–3:45 p.m.	Committee on Consumers and the Public Interest	Palomino 4 & 5 / Palomino 1 & 2
10:45 a.m.–5:00 p.m.	Committee on Energy Resources and the Environment	Palomino 8–10 / Palomino 4 & 5
10:45 a.m.–5:00 p.m.	Committee on Gas	Palomino 4 & 5 / Palomino 6 & 7
10:45 a.m.–5:00 p.m.	Committee on Telecommunications	Palomino 1 & 2
10:45 a.m.–5:00 p.m.	Committee on Water	Palomino 3
1:30 p.m.–2:30 p.m.	Committee on Critical Infrastructure	Palomino 6 & 7
1:30 p.m.–2:30 p.m.	Subcommittee on Pipeline Safety	Palomino 6 & 7
1:30 p.m.–2:30 p.m.	Subcommittee on Supplier and Workforce Diversity	Palomino 8–10
2:30 p.m.–2:45 p.m.	Networking Break	Foyer
3:45 p.m.–4:00 p.m.	Networking Break	Foyer
5:15 p.m.–6:15 p.m.	Commission Staff Power Hour (Commission Staff Only)	Princess Salon A–C
5:15 p.m.–6:00 p.m.	MACRUC Regional Meeting (Invitees Only)	Moor 2
5:15 p.m.–6:00 p.m.	MARC Regional Meeting (Invitees Only)	Arabian
5:15 p.m.–6:00 p.m.	SEARUC Regional Meeting (Invitees Only)	Golden
5:15 p.m.–6:00 p.m.	Western Regional Meeting (Invitees Only)	Moor 3

General Session

Welcome to the NARUC Summer Policy Summit in Scottsdale

Hon. Jack Betkoski, NARUC President

Advancing Reliability and Resiliency in the Electric Power System

Bruce J. Walker, Assistant Secretary, Office of Electricity; Acting Assistant Secretary, Office of Cybersecurity, Energy Security, and Emergency Response, U.S. Department of Energy

How to Create and Implement an Innovative Ecosystem in the Water and Energy Nexus

The unprecedented pace of change within the electric, gas, and water utilities requires new ideas, technologies, and software to integrate renewable energy, accommodate distributed generation, and create innovations that solve problems across the electric, gas, and water systems. Adapting to these challenges and opportunities requires innova-

tions to successfully manage the shifting world that regulators, utility executives, and entrepreneurs face. This panel will share experiences and ideas for creating an “ecosystem of innovation” that is pioneering the solutions to realize the 21st Century utility. Commissioners will develop an understanding of how Israel has become the “Start Up Nation” that has produced more patents and companies listed on the NASDAQ than any country other than the United States and China. Similarly, the panel will examine the unique role the National Laboratories have provided to initiate and commercialize the products that are fostering the revolution in the water and energy nexus. Commissioners will also learn the benefits and cautionary experiences from a utility adopting new technologies.

Moderator: Hon. Jack Betkoski III, NARUC President, Connecticut

Panelists: Hon. Julie Fedorchak, North Dakota

Dr. Dan Arvizu, Senior Advisor, Emerson Elemental practice of Emerson Collective

Oded Distel, Founder and Director, Isreal NewTech

David Stanton, President, SUEZ



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TUESDAY

8:30 a.m.–4:00 p.m.	Registration	
9:00 a.m.–10:15 a.m.	General Session	Princess Ballroom
10:15 a.m.–10:30 a.m.	Networking Break	Foyer
10:45 a.m.–3:45 p.m.	Task Force on Innovation	Palomino 3 / Palomino 6 & 7
10:45 a.m.–11:45 a.m.	Committee on Consumers and the Public Interest	Palomino 8–10
10:45 a.m.–5:00 p.m.	Committee on Electricity	Palomino 4 & 5
10:45 a.m.–5:00 p.m.	Committee on Energy Resources and the Environment	Palomino 8–10
10:45 a.m.–5:00 p.m.	Committee on Gas (Closed Meeting 1:30–2:30, 4:00–5:00)	Palomino 4 & 5 / Palomino 6 & 7
10:45 a.m.–5:00 p.m.	Committee on Telecommunications	Palomino 1 & 2
10:45 a.m.–5:00 p.m.	Committee on Water	Palomino 3
11:45 a.m.–1:15 p.m.	Commissioner Emeritus Lunch	Princess Salon C
11:45 a.m.–1:15 p.m.	Commissioner Only Lunch	Princess Salon A & B
1:30 p.m.–2:30 p.m.	Subcommittee on Pipeline Safety (Closed Meeting)	Palomino 6 & 7
1:30 p.m.–2:30 p.m.	Staff Subcommittee on Pipeline Safety (Closed Meeting)	Palomino 6 & 7
2:30 p.m.–2:45 p.m.	Networking Break	Foyer
2:45 p.m.–5:00 p.m.	Subcommittee on Nuclear Issues—Waste Disposal	Palomino 4 & 5
3:45 p.m.–4:00 p.m.	Networking Break	Foyer
2:45 p.m.–5:00 p.m.	Subcommittee on Clean Coal and Carbon Management	Palomino 4 & 5

General Session

Like the Deserts Miss the Rain: Understanding the Energy-Water Nexus in the Desert

Attendees will hear how cities, utilities, and companies are taking action—both individually and collaboratively—to reduce groundwater use and increase clean energy use. Participants will explain lessons learned and describe best practices for managing the energy-water nexus in a desert environment. Attendees will understand opportunities for win-win utility-customer partnerships and collaboration while hearing more about water reuse, renewable energy, and energy efficiency.

Moderator: Hon. Ed Finley, North Carolina

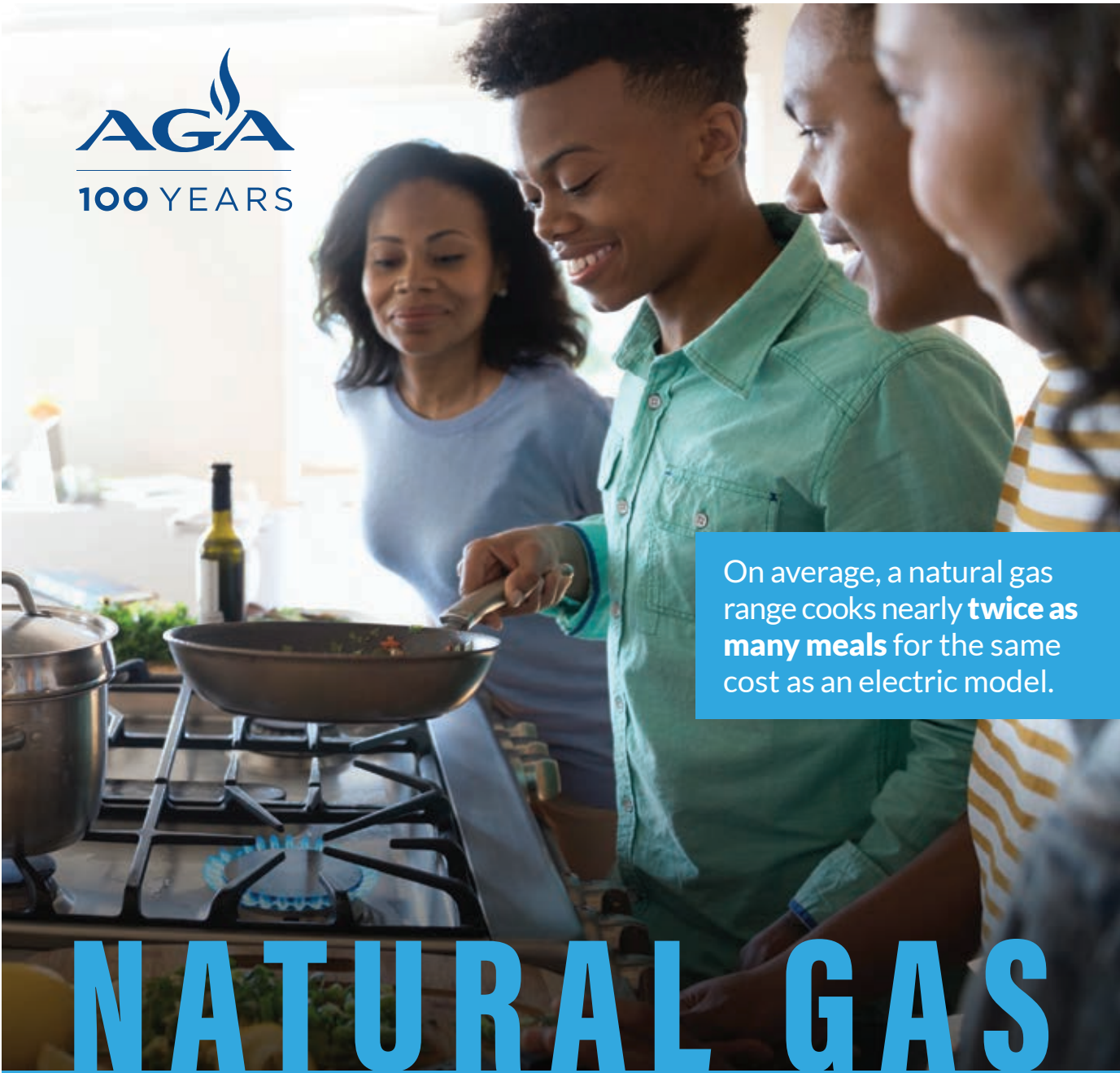
Panelists: Hon. Tom Forese, Arizona

Joe Gysel, President, EPCOR Water USA

Barbara Lockwood, P.E., Vice President Regulation, APS

Kris Mayes, Professor of Practice, Utility Law and Policy, Director, Utility of the Future Center and Co-Director, Energy Policy Innovation Council, Arizona State University

Lori Singleton, President & CEO, Arizona Forward

A photograph of a family of four in a kitchen. A young boy in a green shirt is cooking at a gas stove, stirring a pan with a spatula. A woman in a light blue shirt stands behind him, smiling. To the right, a young girl in a striped shirt is also smiling. The kitchen is bright and modern, with a gas stove and various kitchen items visible.

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Visit cookingwithgas.org today to discover tips and recipes, as well as commentary from top chefs who prefer cooking with natural gas. #CookingWithGas

WEDNESDAY

9:00 a.m.–11:45 a.m.	Registration	
9:00 a.m.–10:15 a.m.	General Session	Princess Ballroom
10:15 a.m.–10:30 a.m.	Networking Break	Foyer
10:30 a.m.–11:30 a.m.	General Session	Princess Ballroom
11:45 a.m.–2:00 p.m.	Board of Directors Meeting	Princess A–C

General Sessions

Regulatory Yoga: Are We Flexible Enough?

The utility industry is transforming because of new technologies and evolving customer needs and expectations. Regulators and utilities are key in the efforts to maximize the value of new technology for customers. During this session, attendees will hear reasons why regulatory rules should adapt to quickly integrate technologies for the benefit of the public good and what can be done to ensure ongoing reliability of the nation's utility infrastructure. Challenges in keeping up with new technologies under the current regulatory process will be presented and why flexibility is necessary to assist customers in taking advantage of advancements. The reasons why this regulatory paradigm shift is critical to evolving utilities to the next level of service, efficiency, reliability, and resilience will be discussed.

Moderator: Hon. Asim Haque, Ohio

Panelists: Hon. Gladys Brown, Pennsylvania

Nicholas K. Akins, Chairman, President and CEO, American Electric Power

Christopher Franklin, Chairman, President and CEO, Aqua America

Kimberly Harris, President and CEO, Puget Sound Energy

John Wolfe, Senior Vice President & General Manager, Cox Communications

Advocacy Update: There's Bite in Our Bark

Ours may not always be the loudest voice in the room—but when NARUC speaks on an issue, we get attention and results.

NARUC's advocacy goes hand-in-hand with our ability to educate and inform. Why is advocacy important? President Betkoski will explain why advocacy is an integral part of NARUC's mission.

We will also review NARUC's recent advocacy efforts and priorities for members.

NARUC leadership will share the current focus of committees—and why it matters. (Because they're never barking up the wrong tree!)

Moderator: Hon. Jack Betkoski, NARUC President



For more than 40 years, SEIA has been the voice of the solar industry.

Our experts are working with states on critical issues, such as:

Rate Design

Along with more than a dozen other organizations, SEIA developed Principles for the Evolution of Net Energy Metering and Rate Design, presenting a pathway for the future: www.seia.org/ratedesign

Grid Modernization

SEIA has produced a series of Whitepapers on Grid Modernization, aiming to inform states on lessons learned and provide guidance for the grid of the future: www.seia.org/gridmod

Opening Markets

SEIA is working with regional organizations, states and the federal government to be sure that market rules account for the lower cost of going solar.

Learn more at www.seia.org

Future NARUC Meetings

2018 NARUC Utility Rate School

Clearwater Beach, Florida
October 22–26, 2018
Contact: Erin West
(517) 355-1876
ipu@msu.edu

2018 Annual Meeting and Education Conference

Orlando, Florida
Loews Royal Pacific Orlando
November 11–14, 2018
Contact: Michelle Malloy
mamalloy@naruc.org

2019 Winter Policy Summit

Washington, D.C.
Renaissance Washington
February 10–13, 2019
Contact: Michelle Malloy
mamalloy@naruc.org

2019 Summer Policy Summit

Indianapolis, Indiana
J.W. Marriott
July 21–24, 2019
Contact: Michelle Malloy
mamalloy@naruc.org

2019 Annual Meeting and Education Conference

San Antonio, Texas
Grand Hyatt Hotel
November 17–20, 2019
Contact: Michelle Malloy
mamalloy@naruc.org

2020 Winter Policy Summit

Washington, D.C.
Renaissance Washington
February 9–12, 2020
Contact: Michelle Malloy
mamalloy@naruc.org

2020 Summer Policy Summit

Boston, Massachusetts
Sheraton Boston Hotel
July 19–22, 2020
Contact: Michelle Malloy
mamalloy@naruc.org

2020 Annual Meeting and Education Conference

Seattle, Washington
Sheraton Seattle Hotel
November 8–11, 2020
Contact: Michelle Malloy
mamalloy@naruc.org

2021 Winter Policy Summit

Washington, D.C.
Renaissance Washington
February 7–10, 2021
Contact: Michelle Malloy
mamalloy@naruc.org

2021 Annual Meeting and Education Conference

Louisville, Kentucky
Omni Hotel
November 7–11, 2021
Contact: Michelle Malloy
mamalloy@naruc.org

2022 Winter Policy Summit

Washington, D.C.
Renaissance Washington
February 13–16, 2022
Contact: Michelle Malloy
mamalloy@naruc.org

2023 Winter Policy Summit

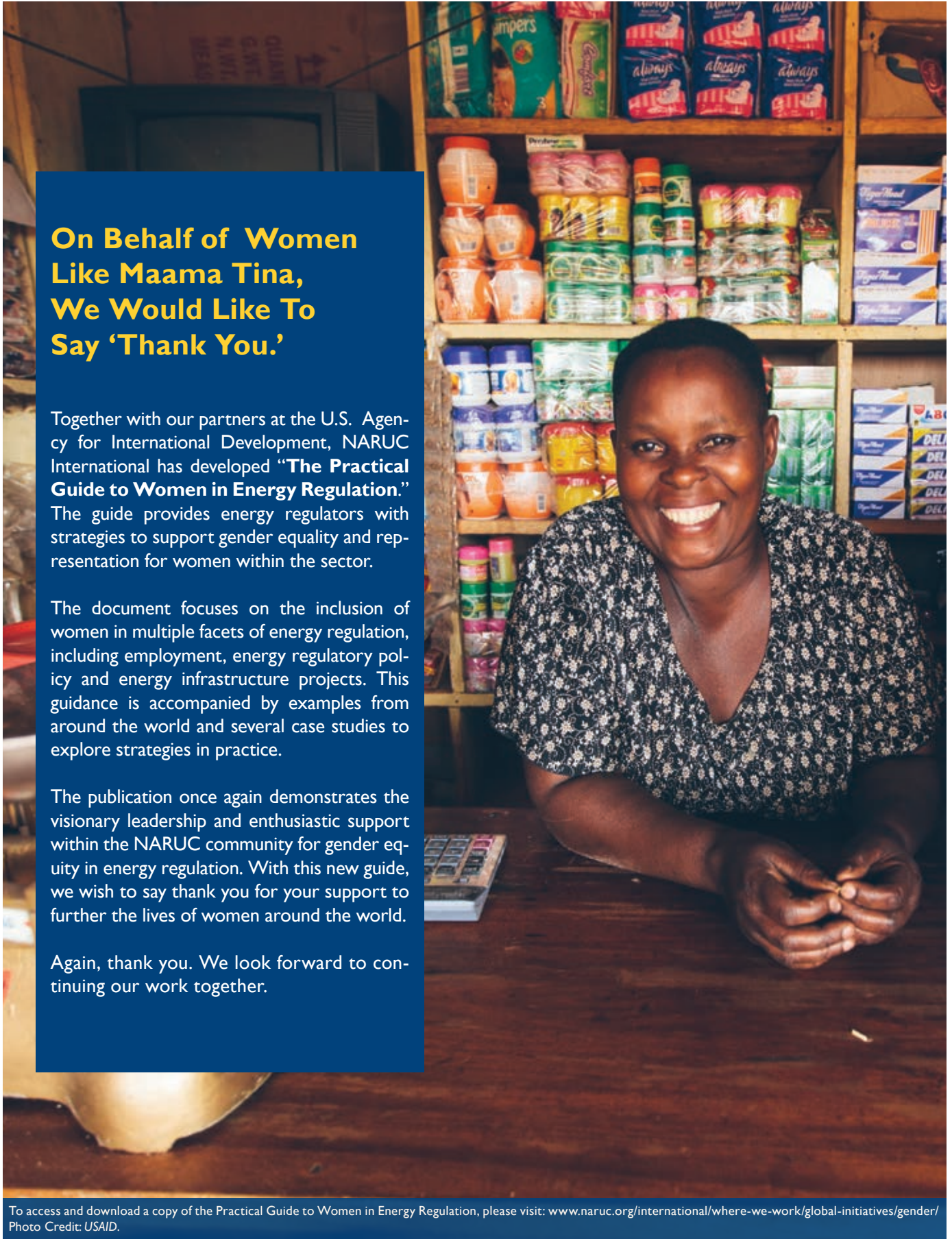
Washington, D.C.
Renaissance Washington
February 12–15, 2023
Contact: Michelle Malloy
mamalloy@naruc.org

2024 Winter Policy Summit

Washington, D.C.
Renaissance Washington
February 25–28, 2024
Contact: Michelle Malloy
mamalloy@naruc.org

2025 Winter Policy Summit

Washington, D.C.
Renaissance Washington
February 23–26, 2025
Contact: Michelle Malloy
mamalloy@naruc.org



On Behalf of Women Like Maama Tina, We Would Like To Say ‘Thank You.’

Together with our partners at the U.S. Agency for International Development, NARUC International has developed “**The Practical Guide to Women in Energy Regulation.**” The guide provides energy regulators with strategies to support gender equality and representation for women within the sector.

The document focuses on the inclusion of women in multiple facets of energy regulation, including employment, energy regulatory policy and energy infrastructure projects. This guidance is accompanied by examples from around the world and several case studies to explore strategies in practice.

The publication once again demonstrates the visionary leadership and enthusiastic support within the NARUC community for gender equity in energy regulation. With this new guide, we wish to say thank you for your support to further the lives of women around the world.

Again, thank you. We look forward to continuing our work together.

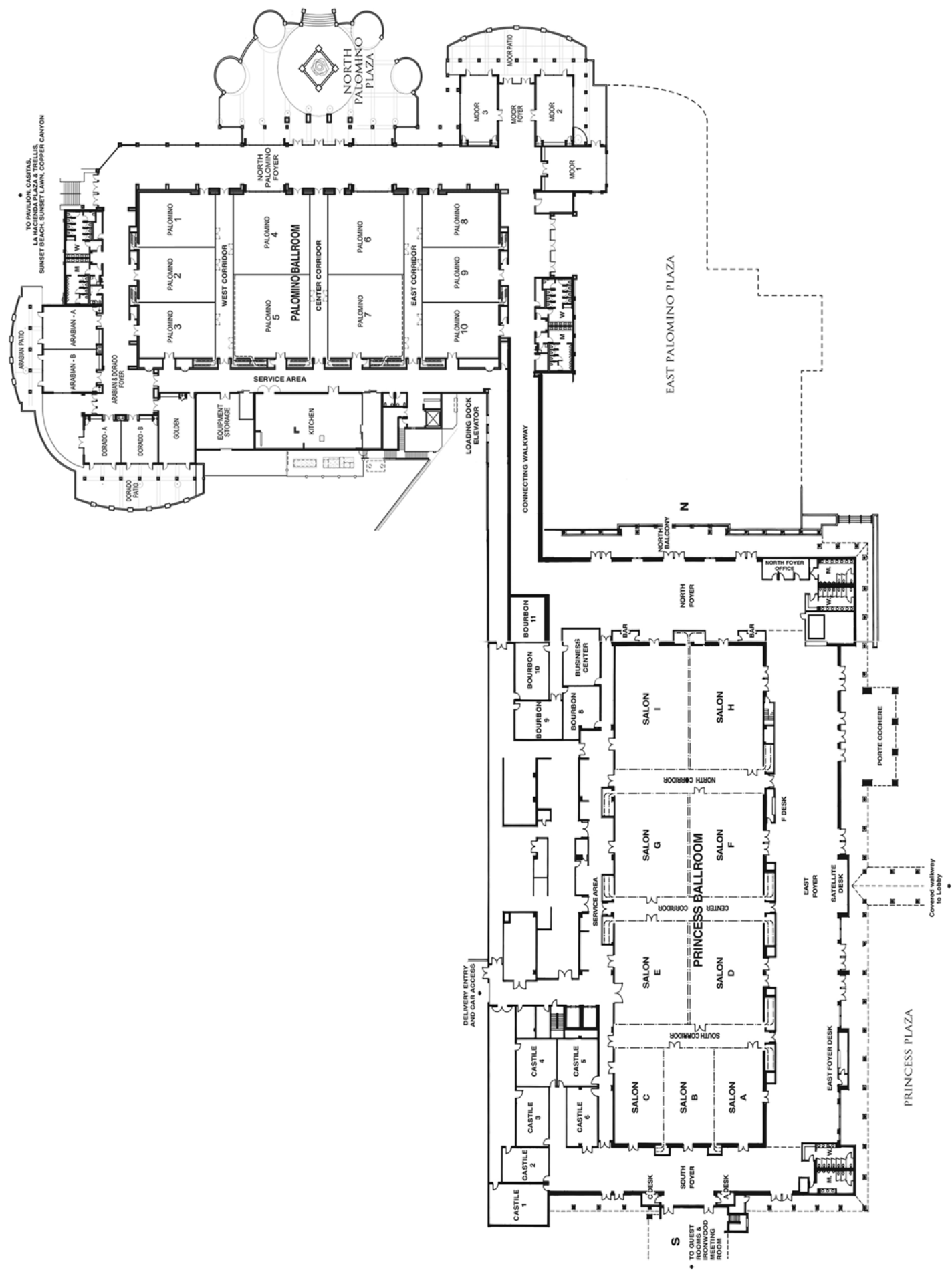


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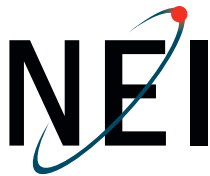




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