



# NHA CEO 2020 Outlook

Jan. 22, 2020



## About NHA

Business association dedicated to *preserving and expanding* America's first renewable energy resource, hydropower and marine energy.

Represents 240 member companies, including:

- **Power Generation and Supply Chain**, including owner/operators, IOUs, public power, IPPs, manufacturers/suppliers, consultants and law firms
- **Range of Technologies**, including conventional hydro, small hydro, pumped storage, conduit, and marine energy technologies

## Hydropower by the numbers

7% of the nation's electricity

30M U.S. homes and business  
clean, renewable power

40% of the nation's renewable  
energy

66K Jobs in the U.S. economy

# NHA's Value Proposition



**CONNECT** members with other hydropower professionals, build relationships, and facilitate business



**INSIGHTS** about timely policy and industry developments



**ADVOCATE** to preserve and expand hydropower in all its forms



# CONNECTIONS

## 2020 NHA Southeast Regional Meeting

- February 25-26, 2020
- Charlotte, NC

## 2020 NHA Northeast Regional Meeting:

- March 31-April 1, 2020
- Niagara, NY

## 2020 NHA Alaska Regional Meeting

- August 24, 2020
- Anchorage, AK

## 2020 Northwest Regional Meeting

- November 4-5
- Eugene Oregon (co-located with Northwest Hydroelectric Association)

## 2020 NHA California Regional Meeting

- December 2-3
- Rosemead, CA (location tentative)

## Hydraulic Power Committee Fall Retreat

- October 14-16
- St. Louis, MO (co-located with Midwest Hydro Users Group)



# CONNECTIONS



**Waterpower Week in Washington is the nation's premier hydropower event.**

Each year, industry professionals and power producers and suppliers converge on the nation's capital to shape the future of waterpower.

This 3-day jam packed event provides you the opportunity to:

- Learn about legislative and regulatory initiatives
- Discuss the issues impacting the hydropower industry
- Network and Build strong relationships
- Share knowledge, expertise and viewpoints
- Earn Professional Development Hour (PDH) credits



# CONNECTIONS

**ICOE 2020**  
INTERNATIONAL CONFERENCE ON OCEAN ENERGY

#ICOE2020

**REGISTER NOW**

INTERNATIONAL CONFERENCE ON OCEAN ENERGY

**ENERGIZING A  
POWERFUL  
BLUE ECONOMY**

WASHINGTON, D.C

**19-21 May  
2020**

U.S.A

## Register now for The International Conference on Ocean Energy (ICOE)

ICOE is a global event focused on the industrial development of renewable ocean energy. Learn about recent experiences from research and demonstration efforts while collaborating with over 850 ocean energy academic and industrial experts at ICOE 2020.

[ICOE2020.ORG](http://ICOE2020.ORG) • [#ICOE2020](https://twitter.com/ICOE2020)



# PROGRAMS/ INSIGHTS

Marine Energy Council

Hydraulic Power Committee & Operational  
Excellence (OpEx)

Pumped Storage Council

Small Hydro Council

Waterpower Innovation Council (WIC)



# PROGRAMS/ INSIGHTS

Join at [hydroexcellence.org](https://hydroexcellence.org)

NHA's OpEx program is a member only voluntary forum providing the hydropower industry with a platform to share operating experiences, lessons learned and best practices in a secure environment.

Focus areas:

- Safety: Dam, Employee and Public
- Maintenance
- Operations
- Environmental Performance
- Nearly 200 Event Reports Posted.
- Human Performance was identified in 42% of the events.

New Opportunities for 2020:

- Submit an Event Report and be eligible to win a \$500 Gift Certificate or a Free Registration to NHA's HPC Fall Retreat!
- Sign up for an OpEx Informational Webinar. Contact Luciana at [Luciana@hydro.org](mailto:Luciana@hydro.org).



# ADVOCACY

## If You Are Not At The Table, You Are On The Menu.

Federal advocacy – both in Congress and the Executive Branch – remains vital, but it is no longer sufficient.

Long-term success requires additional strategies:

- 1) Cultivating traditional and new allies will be essential to amplify hydropower's message on both sides of the aisle.
- 2) Engaging in Markets and in State/Regional energy policy conversations is necessary to ensure that hydropower is treated fairly.



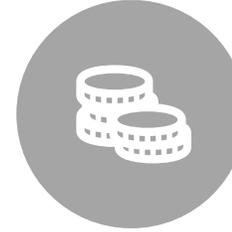


ADVOCACY

## 2020 Policy Drivers to Preserve and Expand Hydropower



LICENSE  
REFORM



FEDERAL  
PARITY



CARBON



MARKETS



BEYOND THE  
BELTWAY



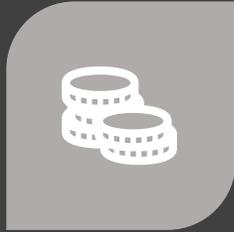
PUBLIC  
AWARENESS



# License Reform

The unwieldy federal and state licensing process – both for new licenses and renewals – has undermined hydropower’s economic competitiveness.

- Fundamental license reform has remained elusive for a generation.
- Yet there are signs of promise:
  - The shifting federal-state balance of authority prompted by the Hoopla federal court decision, as well as proposed reforms CWA 401 and NEPA;
  - Growing climate urgency has prompted some in the river community to re-think hydro.
  - Both parties now recognize that improvements are needed, yet election year reform is unlikely.



# Federal Parity

Several big wins in 2019,  
but there's more work to be done

- **Tax Extenders Package** – Reinstatement of hydropower and marine energy tax credits for 3 years (2 years retroactive to cover 2018/2019 and 1 year forward for 2020) at existing levels.
  - ITC – 30%
  - PTC – Roughly 1.2 cents per kwh
- **Record Appropriations** – a new record level of funding has been approved for the WPTO with a total level of **\$148 million** for FY 2020
- **In 2020**, NHA will work towards further victories on priority items like parity in post-2020 tax treatment and securing an energy storage tax credit.



# Carbon

As a carbon-free source of renewable generation, carbon pricing could be a significant market driver.

- National climate conversation picking up steam.
  - Key issue for all major Democratic Presidential candidates.
  - House Republicans developing own proposal.
- Wave of state policies continues
  - US Climate Alliance includes 25 Governors (including 3 Republicans)
  - 11 states now have 100% Clean Energy goals, with bills likely in another 15 state legislatures.



# Market and Regulatory Priorities

## Top 2020 Regulatory Priorities

- NEPA Reform
- Clean Water Act Sec 401
- Clean Water Act sec 316(b)
- Opportunities on other issues including Clean Water Act sec 402, Endangered Species Act, FERC Tolling Orders, FERC Mead Analysis,

## Top 2020 Market Opportunities / Threats

- FERC's Reliability Docket
- California's Implementation of S.B. 100
- FERC / PJM's NOPR ruling
- New York's Implementation of CLCPA
- Opportunities / threats on related issues, including CAISO's Extended Day Ahead Market, MISO Storage as a Transmission Asset, and CAISO Resource Adequacy

## Thought Leadership to Shape Market Design

- Promoting new IRP modeling tools
- Hydropower Day on the Road - ISO-NE
- Expanded NARUC engagement



# Beyond the Beltway

## States increasingly drive electricity policy.

- State laws can undermine hydropower's competitiveness by subsidizing other technologies (wind, solar, nuclear) at hydropower's expense.
- "Clean Energy Standards" offer an opportunity to create a more level playing field for hydropower.
- NHA plans to shape state energy policy by:
  - Engaging with state political umbrella groups (e.g., NGA, NARUC, NASEO, NCSL, WGA.)
  - Thought leadership (including op-eds)
  - Targeted direct advocacy where appropriate.



# Public Awareness

Hydropower is part of a cleaner, more reliable grid. We need to speak up!

- As one of the most popular energy sources (behind wind and solar), NHA needs to continue its public awareness efforts.
  - Adoption of Communications Calendar – coordinated industry messaging;
  - Building upon National Hydropower Day;
  - Increased digital advertising/marketing;
- Path to 100% Clean Energy: A new campaign highlighting that the path to a cleaner, more reliable grid flows through hydropower.



# Rapid Response Policy Team

Bolstering our success in advocacy begins with better leveraging our industry's knowledge base

- Additional, nimble mechanism to receive timely member direction
- Test pilot program for 2020
- Small group representing our diverse members
- Participation offered as a voluntary membership upgrade
- Enables deeper engagement for members that value policy advocacy

Open For  
Q&A!





National Hydropower  
Association

# Together, We Can Expand NHA's Value and Impact

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