

**National Hydropower Association
May 8, 2023 Board of Directors Meeting
Meeting Minutes**

Attendees:

Executive Committee

Mike Haynes	Thomas St. John	Sharon White
Pam Sullivan	Jay Anders (Past Chair)	Jim Hancock (General Counsel)

Board Members

Carl Atkinson	Suzanne Biddle	Suzanne Grassell
Scott Hennessey	Randy Herrin	Sarah Kulpa (Advisory)
Jeff Leahey	Joel Ledesma (Advisory)	Chris Mattson
Alan Michaels	Megan Nesbitt	Dan Petcovic (Advisory)
Romain Pellegrino (Advisory)	Chris Rousseau	Chuck Sensiba
Mary Gail Sullivan	Justin Trudell	Eric Van Deuren
Heidi Wahto		

NHA Staff/ NHA Committee / Council / Task Force Representatives

Marla Barnes	Francesca Blanco Hadjimichael	Jeremy Chase-Israel
LeRoy Coleman	Kimberly Costner	Marycella Dumlao
Chris Hayes	Anthony Laurita	Joseph LoSasso
Brittney May	Michael Purdie	Kelly Rogers
Catherine Ryan	Malcolm Woolf	Paul Gay
Matt Allan		

Other

Eric Glantz (Marcum)	Linda Church Ciocci (Hydropower Foundation)
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[Note: 20 of 20 voting Board members were present (MG flight delayed, joined late), representing a quorum. The minutes reflect the order that agenda items were discussed. All times are Eastern.]

Notes follow the Board meeting agenda (Item #) included in the final Board Book, unless noted.

Board Meeting starts at 8:30 AM Eastern – Mike shares a safety moment.

MAY 8, 2023 MEETING SUMMARY NOTES

Item 1 – Consent Agenda / General Updates

- Mike Haynes notes the Consent Agenda Items are listed in the Board Book, including the updated Committee and Council report.
- **Randy makes motion to approve consent agent; Heidi seconded. Motion passed.**

Item 2 – CEO Report on Key Activities

- Malcolm introduces new NHA team members, presents CEO report, shares updates on progress made on NHA's 2023 Strategic Priorities and the Uncommon Dialogue. Details are provided in the Board Book.
 - New NHA Staff members: Matt Allan joined NHA as new Legislative Director on April 18.
 - Uncommon Dialogue- successfully won joint DOE grant proposal, ~\$150,000 for NHA beyond budget for 2023, expect expanded Work Group activities.
 - NHA by the numbers 2022 and NHA Staff Responsibility List in Board book.

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- Virtual Board meeting likely to be held in July to set 2024 dues and conduct mid-year review of budget priorities.
- Some key topics discussed include:
 - Advocacy topics: hydropower reform package in the mix, new manufacturing initiative, Advocacy Day- over 100 Congressional offices scheduled.
 - Connect topics: 570 people registered for WPW- record registration and robust agenda, on path to scaling Advocacy Day, partnering with DOE's collegiate competition. Over \$1.3 million already raised for Clean Currents. Record attendance at Midwest Regional Meeting in Wisconsin. NE regional meeting July 25-26, Alaska meeting in September, already exceeded annual sponsorship targets.
 - Inform topics: participation in committee and council meetings (30 member meetings were held in January to March 2023); membership grown to over 300; Follow the Money webinars have attracted high attendance, starting to expand NHA's technical offerings, about to launch OpEx reimagined, Digital Media Campaign in NE, SE, and Midwest, NHA has raised almost \$600,000 for this effort; Powerhouse and Playbook reach over 7,000 weekly.
 - Implement: Strong Q1, 87% of budgeted revenues already received; clean audit with one recommendation; membership at all-time high and growing; fully staffed with no open positions and 3 summer interns.

Item 3 – Treasurer's Report

- Thomas St. John presents the Treasurer Report. No slides presented but data is provided in the Board Book. Some highlights include:
 - End of Q1 financial position is strong. Revenues are up across the board.
 - Expenses are currently under budget but will pick up for events.
 - Membership- numbers are strong, continue to gain members, member retention is positive.
 - Policy Advocacy- revenue growth from Deep Dive policy team and Powerhouse Sponsorships.
 - Clean Currents- brought in 60% of budgeted revenue through March 2023. Room for growth on sponsorship opportunities.
 - WPW- with students, registration will break 600 this year.
 - Investments are down across the board, only 18% of NHA's financial assets are invested. Liquid assets up since 2022 (note change in financial report- should be up not down)
 - Revenue from regional meetings has increased, at 95% of budgeted revenue through March.
 - Powerhouse has recognized 71% of its revenue.
 - Marla presented on membership status. NHA membership is at an all-time high- 316 members currently. 19 new members this year alone. Bechtel joined NHA a few weeks ago.

Item 4 – Auditor's Report

- Eric Glantz with Marcum presents results of recently completed 2022 audit. See the Board book for the final 2022 audit report.
- [Eric presented slides- NHA to distribute slides to Board \(Action item- Kimberly to circulate\).](#)
- Marcum issued clean opinion on financial statements.
- Assets totaled \$4.6 million and increased \$327,000. Liabilities totaled \$2.4 million and increased \$326,000. New lease accounting standard requires capitalizing lease assets and

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liabilities. Net assets totaled \$2.2 million and increased \$1,000. Operating revenue and support totaled \$6.2 million and increased \$351,000. Operating expenses totaled \$6.2 million and increased \$1 million due to program services and supporting services.

- Natural expense fluctuations on the Statement of Functional Expenses- payroll and benefits increased, consulting increased, meetings and travel expenses increased, loss from termination of operating lease.
- One significant deficiency- revenue from media campaign- unique accounting treatment on contributions (not earned revenue).
- **Jeff makes motion to approve audit, Pam seconded. All approved.**

Item 5 – 1+1 = 3: NHA-Hydropower Foundation Coordination

- Linda Church Ciocci, president of the Hydropower Foundation, shares the latest from the Foundation and our continuing efforts to leverage each other's work.
- NHA provided funding to Foundation, which will be used for workforce activities.
- Mission is to promote research, education, and dialogue. We are the educational arm of this association that can't be done by NHA.
- Lost funding from DOE on workforce development. NHA does all training for current hydro industry, anything outside of that (colleges, trade schools) is within Foundation's purview.
- Thinktank Program- reimburse students to attend hydro activities, one in Alabama and one in NW at Grant PUD coming up. Majority of students who participate will work in hydro industry.
- Career fair at NWA.
- Programs are too limited in nature and require funding.
- DOE does not have a dedicated workforce program and this is worrisome.
- Hydropower Collegiate Competition- 150 students in attendance this week. Foundation will be organizing another competition in 2024.
- We are sub-recipient of DOE Uncommon Dialogue grant.
- We are not a membership organization, we are partners with NHA.
- Jeff- IHA funding requires community benefits plans, pitch for companies to support Foundation as part of this requirement.
- Chris- Mike Manwaring leading charge on joint collaborative/task force of NHA and Foundation Boards and how to support each other. Have had a couple of meetings.
- Malcolm- NREL spent \$600,000 on collegiate funding this year, it is a big effort. More than 25 schools participated. Need to do more to get more funding for this, but it is not infinite. Need more ideas on how to continue funding and promote participation.

Item 6 – Effort to Grow U.S. Hydropower Manufacturing

- Anthony Laurita and Chris Hayes present an update to the Board on NHA's new effort to collaborate with the U.S. Department of Energy to attract major new investment in U.S. based hydropower manufacturing.
- Malcolm- Alejandro at DOE asked how to get Secretary Granholm to promote hydropower, he said focus on manufacturing. Secretary wants jobs and factories in the United States. This triggered this initiative.
- We have created a survey for asset owners, sent out in mid-April with deadline of May 15, unique opportunity to drive costs down, increase quality, and address workforce challenges.
- [Anthony asks Board members to fill out survey and circulate within companies. Action item.](#)
- DOE roundtable on manufacturing at WPW. Invitation only event.

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- Malcolm hopes to get recommendation to White House by end of summer to get funding to make something happen.

Item 7 – Getting Ahead of the Methane Whack-a-Mole Game

- Anthony Laurita provides update on NHA’s efforts to address allegations attributing methane emissions from reservoirs to hydropower facilities, including petitions to the EPA and FTC, comments to WRI’s GHG Accounting Protocols, and in individual relicensing proceedings.
- Malcolm- seed being planted in multiple contexts could be an existential threat to industry. Need to be zero carbon for funding opportunities. There may be methane emissions from reservoirs but it has nothing to do with running water through turbines for hydropower generation. Not the message coming from other corridors.
- Anthony- Patagonia has filed a petition for rulemaking with EPA, articles in publications. NHA has been responding, taking science-based approach on methane emissions, distinguishing between emissions from waterbodies and those with hydropower operations.
- NHA has developed a white paper with hydropower context to share on Hill, new DOE research published by PTO that categorically denies these claims, we’ve been working with NGOs on joint fact sheet just finished- sent to Deep Dive Policy Team and Uncommon Dialogue WG4 for feedback and sign on. Anthony asks Board for other ideas on how to respond to this issue.
- Hydropower Reform Coalition has put out fact sheet and circulating it on Capitol Hill alleging there are emissions from hydropower operations.
- Carl- NYT released article last week that was positive on pumped storage, at end of article it discusses GHG emissions directly tied to hydropower. Clear threat to industry, need to think about how to get in front of it. Malcolm wrote letter to editor to respond- not yet published.
- Jim- HRC also getting involved in licensing proceedings, getting people to run models in reservoirs and file at FERC to be included in cumulative effects analysis in NEPA documents.
- Malcolm- DOE did its own analysis, released study a week ago, doesn’t give clear quote that says no emissions from hydropower. [NHA will send link to new DOE website giving summary of NREL study on hydropower emissions- Action item.](#)
- Scott- EPA, DOE, and Treasury will decide what technologies qualify for tax credits. We should focus our efforts there. Malcolm noted that EPA has no obligation to respond to Patagonia petition.

Item 8 – Re-Imagined Op-Ex is Here!

- Anthony Laurita presents re-imagined Op-Ex system and requests feedback on how best to roll it out to the NHA membership.
- Log-in to Op-Ex through hydro.org.
- NHA worked with software company to create Op-Ex 2.0. It is up on NHA’s website and running. We have a tentative campaign to get word out by end of May- will have an NHA seminar and an official launch.
- Chris working on Lunch and Learn series. Will have a video library of these on Op-Ex website.
- Carl- only thing missing with Op-Ex website is conversation on these topics. Would like to find a way to incorporate that in NHA events- quick forum or coffee talks to highlight recent

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entries and take feedback from industry to improve it. Even a workshop on how to submit an Op-Ex report.

- Eric VD- tie in HTC efforts into video library. Suggest NHA host Webex calls with asset owning members on how to post a report, it increased PG&E's usage of website significantly. Chris and Anthony will work on this. Could also present on this during committee calls.

Item 9 – Follow the Money – Update on Infrastructure and IRA Implementation

- Mike Purdie updates the Board on implementation of DOE grant programs, other federal funding opportunities, provide the latest from Treasury on IRA implementation, and leads a discussion on whether NHA should hire specialty tax council to seek Treasury guidance on application of the "80-20" rule to hydropower refurbishments.
- 242 apps due today for new generation at existing facilities.
- June 20th apps due for 243 program. Community development plans
- 247- \$553 million- expect final guidance document to be released today.
- DOE web portal for applications creating some problems.
- Agencies very motivated to get money out the door.
- IRA- Treasury Guidance on domestic content is imminent. Direct pay and transferability guidance will be next.
- Clean Fuels Credit (Hydrogen Production Tax Credit)- companies should be able to take advantage of this credit. Based on fuel-based life cycle emissions.
- 45X program- advanced manufacturing production credit. NHA's comments were that pumped storage and batteries should be included in credit. 45X guidance not expected until end of year, but Jeff hears there is a draft document circulating at Treasury and OEMs have been brought in to discuss it.
- 80-20 repowering- wind industry as part of PTC has this- if you replace 80% of book value of wind farm, get to count as new asset under tax program. Could we get 80-20 rule for hydro at Treasury- claim tax credits for replacing large equipment like turbines, rotors, stators. We are at front end of this- gathering interest and how to bring this to Treasury. It would be a six-figure undertaking for NHA to advocate for this. NHA will solicit industry interest and consider putting it into next year's budget.
 - Eric VD- need to first ascertain 80% of what- a turbine isn't 80% of a hydro asset. Could be significant.
 - Thomas- suggest creating a one-pager or position paper on this before passing the hat to solicit member interest. [NHA will ask Bracewell to prepare this- Action item.](#)

Item 10 – Legislative Updates

- Matt Allen and Brittney May provide an update on NHA's progress to date on its top legislative priorities, including licensing reform, tax support for the existing fleet, and federal appropriations to fund hydropower and marine energy research, development, demonstration, and deployment by DOE's WPTO.
- Licensing reform bill- we are very close, targeting tomorrow to introduce licensing reform package in the Senate. Working through a few last-minute issues with environmental groups. Goal to be included in broader energy permitting reform package.
- Working to pass 30% ITC for existing hydropower fleet including dam safety and environmental upgrades. IRA provided tax credits for new generation and pumped storage but not existing fleet. This remains an NHA priority. Cantwell and Murkowski are committed to moving tax credit in this Congress. No timetable for a tax package right now, but we want to be included in next tax package whenever it is introduced.

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- Appropriations- FY 2024 process is well underway. NHA submitted annual statement to the record to House and Senate subcommittees with recommendations on annual WPTO funding. Presidential budget request included \$15 million cut in marine energy funding- we will be fighting against that. NHA will be doing Hill visits with appropriations reps tomorrow.

Item 11 – Clean Water Act 401 – Regulatory and Litigation Update

- Chuck updates Board on litigation over the legality of the Trump-era 401 rules, preview the Biden Administration’s new rule, and flag the potential need for additional litigation in the coming year.
- Waiver cases- NHA submitted amicus briefs to U.S. Supreme Court in TID/MID case. Certiorari petition was denied so D.C. Circuit ruling on denials without prejudice stands. NID/Yuba cert. petition on withdraw and resubmit from 9th Circuit- NHA submitted amicus brief to Supreme Court, expect court to consider case on May 12. Odds are not in our favor. Legitimate question whether Hoopa ruling actually has any life in it or not. Courts are limiting case to its facts. FERC brief in Yuba case limited case to its facts with very little precedential value. Denials without prejudice are condoned, so why would state require applicant to withdraw and resubmit?
- 401 rule litigation- NHA has been leading party in N.D. California case in support of Trump era rule. Case is back at district court. Case will be dismissed without vacating the rule. Trump rule will remain law of the land until new Biden rule becomes effective. New Biden rule expected soon. Rule not yet submitted to OMB- that process can take 60-90 days. Then OMB rule will be published in Federal Register and should take effect 60 days after publication. Soonest we will see new rule become effective is 4-5 months from now or longer. Industry will then need to decide whether to challenge new Biden rule.

Item 12 – “More Than Just Clean Energy”: Next Steps for NHA’s Digital Media Campaign

- LeRoy presents a high-level overview of NHA’s plans to build on its digital media campaign in the Southeast and Northeast and seeks feedback on the proposed theme of “how hydropower complements other variable renewables.”
- Preparing to launch a new ad campaign for 2023 in Northeast, Midwest and Southeast. We are developing the ad and gathering feedback.
- Suggest getting feedback on ad from collegiate students.

Item 13 – Leveraging Waterpower Week in Washington

- Marla and Francesca present on how best to leverage activities during WPW week.
- 583 registrations as of time of Board meeting.
- Advocacy day- 20% of attendees are participating. 90 Congressional offices will be visited. 298 total meetings.
- Reminder to sign up for meetings with agencies.

Item 14 – New Items for the Board

- July meeting might be in person in DC with hybrid option. TBD.

Item 15 – Executive Session

- ***Mike Haynes made a motion to go into Executive Session, Thomas seconded.***
- Malcolm’s 5-year contract expires in July 2024, with option to extend. Board will entertain a motion to extend the contract at the July Board meeting.
- Hydropower Foundation- bring Mike Manwaring back at July Board meeting to provide an update on status of joint effort.

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- *Mike Haynes moved to come out of Executive Session, Jeff seconded. All approved.*

Mike Haynes moved to adjourn meeting, Alan seconded.

Board Meeting ends @ 12:04 PM Eastern

Action Items:

NHA to circulate Marcum slide deck on financial audit to Board members

Board members should fill out hydropower manufacturing survey and circulate it within their companies by May 15. Anthony will re-circulate the survey link.

NHA will circulate link to new DOE website giving summary of NREL study on hydropower emissions.

NHA to ask Bracewell to prepare one-pager on application of 80-20 rule to hydro to help solicit member interest.



Activities of NHA Committees

July 17, 2023

ADVOCACY

LEGISLATIVE

Advocacy Day – During Waterpower Week, over 171 participants visited 108 Congressional offices to advocate for hydropower on Advocacy Day. In total, 35 states + DC were represented, and NHA members visited over half of the Senate offices. The Committee has continued to engage with industry members to conduct follow-up and Congressional outreach to move the needle even further on our hydropower priorities on the Hill and in the Administration.

Hydropower License Reform – Senators Daines (R-MT) and Cantwell (D-WA) introduced their bi-partisan *Community and Hydropower Improvement Act* (S.1521) on May 10th during Waterpower Week. The Committee has been working with NHA members located in target states in an effort to secure bill co-sponsors and advance this legislation in the Senate, ensuring that hydropower is part of the conversation and any broader permitting bill that may materialize later this Congress. Sens. Wyden (D-OR) and Risch (R-ID) have both signed on, and Sen. Crapo (R-ID) is ready to join but is waiting to pair with another Democratic Senator. NHA has had encouraging meetings with the offices of several potential co-sponsors and will maintain its efforts to bring on additional Senators.

We are thrilled to know that on Wednesday, July 19, the Senate Energy and Natural Resources Committee will be holding a legislative hearing on S. 1521 along with other energy bills. This is a big step in the legislative process for the bill and NHA stands ready to support the bill sponsors on a successful hearing.

In the House, Chair Cathy McMorris Rodgers (R-WA) introduced her hydropower license reform bill, the *Hydropower Clean Energy Future Act* (H.R. 4045) on June 12th to modernize the licensing process and promote next-generation hydropower projects. NHA has endorsed the Chair's bill and continues to work with her office to promote hydro license reform.

Daines, Cantwell, and Rodgers all received NHA hydropower awards during Waterpower Week for their efforts to protect, preserve, and expand hydropower production. NHA is working in lockstep with their offices as these bills move throughout the legislative process.

Tax Credit for Environmental Improvements and Safety Upgrades at Existing Hydropower Facilities –

Senators Cantwell (D-WA) and Murkowski (R-AK) are priming the pump to re-introduce their hydropower investment tax credit for safety and environmental upgrades at existing hydropower facilities. The Committee has had productive meetings with various Senate offices to garner support and co-sponsors, as well as to re-frame the issue to make it more palatable to legislators. NHA is hopeful that this legislation will be introduced in the Senate prior to the August recess. Currently, at the request of Sen. Cantwell, the NHA legislative team is working to secure the support of a Senate Finance Committee Republican prior to introduction.

The Committee is working to find a Republican Ways and Means Committee member to co-lead the ITC on the House-side with Democratic Representative. Democratic representatives Anne Kuster (D-NH) and Suzanne DelBene (D-WA) have expressed interest in supporting the package again NHA recently met with Ways and Means Committee staff who provided feedback that they would not oppose this legislation, giving us the green light to move forward to secure a W&M Republican lead, making this a bi-partisan effort.

Clean Water Act Reform – The NHA Legislative Committee is also coordinating with the NHA Regulatory Committee on Clean Water Act reforms. NHA had a very positive meeting with Senate Environment and Public Works Committee Republican staff about the proposed language in the RESTART Act (S. 1449) sponsored by Ranking Member Sen. Capito (R-WV). NHA shared its reform proposed language with staff that was a result of the Deep Dive Policy Committee efforts from earlier in the summer.

BIL/IRA Implementation – Post passage of the Inflation Reduction Act (IRA), the Committee has focused on emerging federal regulation and will continue to provide guidance related to the implementation of this regulation. The Legislative Committee will continue to work with the Regulatory Committee to submit comments, ensuring that industry’s voice is heard.

REGULATORY

- NHA is continuing to advocate on behalf of the industry for beneficial treatment under the Inflation Reduction Act, including teaming up with the nuclear industry and hydrogen producing industry on a public campaign opposing additional requirements for the Section 45V hydrogen production tax credit.
 - Including an Op-Ed from Malcolm in utility dive on June 21st.
- Staff has finalized the first phase of the 80/20 advocacy process. This phase was for outside counsel to create a menu of options for members to consider. Once members agree on the path forward, NHA will then coordinate with outside counsel on the path forward.
- NHA filed comments on July 3rd on the CEQ’s Request for Information in their mediation process regarding the Lower Snake River Dams. NHA’s comments pointed out that this issue is regional in nature and should be decided by the region. The comments also discussed the value of hydropower in the Western Interconnect.

ENERGY MARKETS

- The Markets Committee is continuing in monthly meetings as a clearinghouse of information to describe what is occurring in each of the FERC jurisdictional markets.
 - This process has led to connections being made between members in similar jurisdictions and has created subgroups in the PJM RTO and soon the NYISO RTO.
 - NHA and a number of New York facing companies filed comments on New York's Cap-and-Invest program on June 30th.
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MEMBER PROGRAMS

HYDROPOWER TECHNICAL COMMUNITY

- Launch of a Chief Dam Safety Engineers' roundtable – June 15, July 28
- Launch of O&M Forum for asset owner member organizations – July 18
- Lunch and Learn Monthly Webinar Series – Every 3rd Wednesday of the Month – recordings posted on the Video Library portion of the new OpEx Online Resource Tool
- Expanding Hydropower Technical Community's participation to include additional asset owners and their Health and Safety program leaders
- Begun efforts to scope workshops dedicated to Inspection, Condition Assessment, Maintenance, Asset Management, Rehabilitation/Upgrade Program Management, Human Performance, Corrective Action Programs, and Problem Evaluation Reporting Systems; to be co-located with NHA national or regional events

OPERATIONAL EXCELLENCE (OpEx) Online Resource Tool

- Roll out and launch of new tool beginning in mid-May 2023
 - Drive usage, engagement, and submissions
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HYDRO ACADEMY



- New logo!
- Two Hydro Academy Workshops held at Waterpower Week:
 - Tools of the Trade: Skill-Building and Applications for Negotiations Techniques,
 - Applying for U.S. Department of Energy Funding: From Application to Award Management
- FERC Dam Safety Part 12 Virtual Training – May 18
- Working with a number of members to inform the development process.
- Evaluating potential for a hydro 101 course:
 - Hydropower System Principals covering production planning and water management, markets, environment, dam safety, equipment and reliability, asset management.

- Phase 2 could include the following:
 - 201 and 301 level training for subject matter experts.
 - Hydropower Training for executives (new to hydro and coming over from nuclear, thermal etc)
 - Licensing and License compliance training
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[Waterpower Innovation Council \(WIC\)](#)

- Developing a 2023/2024 strategic plan and Council meeting schedule (quarterly).
 - Improving collaboration and communication with the U.S. Department of Energy's Waterpower Technologies Office (DOE WPTO)
 - Position WIC to play a role informing the DOE WPTO funding request from the FY 2025 Energy and Water Development Appropriations measure.
 - Continuing to improve the NHA Waterpower Research Portal (WaRP) with the goal of maintaining an all-encompassing and up-to-date database of links to/listings of current and ongoing research within the hydropower, pumped storage, and marine energy sectors, as well as other government and non-government entities.
 - Opportunity for WaRP to be used to track progress around the release of the Reimagined Hydropower Vision Roadmap.
 - Expanding WIC participation to include additional asset owners and their R&D program leaders (NYPA, BPA, HQ, OPG, for example).
 - Identifying key themes and areas to explore, including Integrated Resource Plans and the role hydropower plays, demonstration projects, supporting US manufacturing, as well as a review of hydropower R&D activities.
 - Considering organizing an Industry R&D summit, discussions and updates would be kept at a high level to paint a full picture.
 - Aim to hold one WIC webinar per month featuring different R&D institutions, laboratories, departments including academia.
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[Asset Owner Forum](#)

- Target audience is at the VP and GM level.
- Quarterly roundtable and benchmarking opportunity
- Scoping of workshop dedicated to work management and execution.
- Other topics of interest include:
 - Strategic Risk Management (CADWR)
 - Data collection and management (USACE)
 - ESG Reporting (NYPA Presentation)
 - Business Cases from multiple bottom lines (NYPA)

[Engagement Tracking](#)

April 2023 - Lunch and learn # 1 – 125 people and 32 asset owners represented.

May 2023 - Lunch and learn # 2- 71 people and 31 asset owners represented. 50 of the 71 were from these asset owners.

May 2023 - FERC PART 12 Training – 238 people and 80 dam owners represented.

May 2023 - Asset Owner Forum – 24 people and 19 asset owners represented.

June 2023 - CDSE Roundtable – 27 people / 20 asset owners

June 2023 - Lunch and Learn #3 (opex case studies) – 66 people / 24 asset owners.

Next Calls:

O&M Asset Owner Round Table CC on July 18

Lunch and Learn #4 (Hydropower Turbine-Generator Unit Lubrication Oil) on July 19 at 1pm ET

CDSE Roundtable on July 28 at 1pm ET

Marine Energy Council

- Following the productive conversation with the DOE Water Power Technologies Office at Waterpower Week, the Vision Working Group is leading an effort to survey technology developers on their near-term and long term plans for components, systems and sub-systems R&D needs for their marine energy devices. Understanding these R&D needs and which components technology developers will be relying on the supply chain for is a key priority for the WPTO's Marine Energy Program.
- Regulatory Affairs Working Group is working on developing legislative language and a regulatory reform strategy for marine energy pilot deployments. The WG is aiming to utilize similar language as the "small hydro exemption" for small marine energy deployments in an effort to get as many projects in the water to accelerate the commercialization of the sector.
- Legislative Affairs Working Group is working on a two-year calendar to help get ahead of yearly deadlines to help ensure members submit a programmatic request to their legislator mirroring common MEC member requests each year. This year, more MEC members submitted programmatic requests than in the past, which is a big step forward. The Legislative Affairs Working Group is also working in coordination with the Regulatory Affairs Working Group to map out the path for legislative action on regulatory reform for marine energy devices.
- Marine Energy Priorities Working Group, formerly the Industry Priorities Working Group, published its Second Edition of its [Marine Energy Priorities Position Paper](#) in May. The paper maps out and describes priorities for the marine energy sector. These priorities were developed from a survey of the MEC members.
- NHA received feedback from marine energy attendees of Waterpower Week, and we heard that the content tailored for the marine energy sector was valuable and engaging. NHA will be performing listening sessions targeted to technology developers to better understand how to best represent and provide tools/resources for the advancement of the marine energy sector through NHA events.
- The MEC is beginning coordination and relationship-building efforts with international counterparts in the marine energy field such as Marine Renewables Canada and the UK Marine Energy Council to aid in information-sharing and moving the marine energy resource forward globally

- The Council is working in coordination with the Waterpower Innovation Council and the Small Hydro Council to respond to the DOE Office of Clean Energy Demonstrations Request for Information on small business needs for pilot-scale deployments.
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Pumped Storage Development Council

- NHA has worked with California asset owners and developers to finalize where NHA's lane is for pumped storage advocacy in California. Current thinking is that NHA will advocate the attributes of pumped storage in the California Integrated Resource Plan process.
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Small Hydro Council

- The Council had great turnout and engagement for the Small Hydro Summit at Waterpower Week. During this interactive discussion session, participants shared how they imagined an "advanced small hydro sector" and then brainstormed barriers that are keeping that advancement from happening.
 - Staying updated on the USACE's Sec. 408 implementation guidance. The industry submitted comments to the USACE on how the industry sees the most effective and efficient way to implement the Sec. 408 process based on enacted federal language in the WRDA 2022 law.
 - Starting to plan for Clean Currents in Cincinnati! There is an exciting tour of the City of Hamilton's small hydro facility, so the Council will be trying to integrate that tour into a social gathering.
 - Performing outreach to small hydro experts at FERC to invite some speakers to a Council call as a main priority for members of the Council is learning and engaging with FERC's small hydro licensing processes and options.
 - The Council is working in coordination with the Waterpower Innovation Council and Marine Energy Council to respond to the DOE Office of Clean Energy Demonstrations Request for Information on small business needs for pilot-scale deployments.
 - Implementing the plan for this year's Council calls. Each month, the Council discusses and has presentations on one project lifecycle phase, such as licensing, community engagement, construction, securing PPAs or RECs, etc.
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EVENTS

CONFERENCES

Waterpower Week



	2022	2023
Registrants	477	590
Registration Revenue	\$311,609	\$404,948
Sponsors	20 companies	20 companies
Sponsorship Revenue	\$69,871	\$78,500
Speakers	124	133

2024

- March 13-15, 2024
- Capital Hilton Hotel
- Expanded sleeping room block to accommodate more attendees
- Secured additional meeting space to allow for greater attendance in breakout sessions

2025

- March 31 – April 2, 2025
- Capital Hilton Hotel

Clean Currents Tradeshow + Conference



2023

- October 10 – 13
- Duke Energy Convention Center in Cincinnati, Ohio
- Host Utilities
 - Duke Energy

- American Municipal Power (AMP)
- City of Hamilton
- 127 exhibitors (100% of budgeted revenue)
- 23 Sponsors (61% of budgeted revenue)
- Registration at 114 (10% of budgeted revenue); generally on pace with prior years
- Call for Speakers concluded (submission deadline was April 15); received 112
- Content Development Committee working on selection of speakers from the call
- Exhibitor Advisory Council (EAC) formed and meeting monthly
- Steering Committee formed and meeting monthly

2024

- October 7 – 10
- Oregon Convention Center in Portland, Oregon
- Northwest Hydroelectric Association (NWAHA), U.S. Army Corps of Engineers Hydroelectric Design Center, and PacifiCorp have expressed support and cooperation
- CC Central Floor plan finalized; rebooking to begin by September
- Working on communications about Portland as a safe destination

[Regional Meetings Update](#)



2023 Leadership for Regional Meetings Series

Chair:

- Jennifer Moore, Mesa Associates

Vice Chairs:

- Ginger Gillen, GEI Consultants
- Emily Schwartz, Black & Veatch

2023 Regional Meeting Schedule

- Midwest Regional Meeting
 - Middleton, Wisconsin
 - April 25-26
 - Final Registered Attendee Number: 205; Final Actual Attendance: 186
 - Partnered with Midwest Hydro Users Group
 - Host Utility: Alliant Energy (prospective NHA member organization)
 - Technical Tour (Field Trip): 31-MW Prairie du Sac Project
- Northeast Regional Meeting
 - Springfield, Massachusetts
 - July 25-26
 - Host: FirstLight Power
 - Technical Tour (Field Trip): Northfield Mountain Pumped Storage Project
- Alaska Regional Meeting

- Anchorage, Alaska
- September 12-13
- Host: Alaska Energy Authority
- Association Supporter: Alaska Power Association
- Technical Tour (Field Trip): South Fork Project and Eklutna Project

- California Regional Meeting
 - San Diego, California
 - December 13-14
 - Host: San Diego County Water Authority (SDCWA)
 - Technical Tour (Field Trip): SDCWA will confirm later in 2023 whether a tour of its San Vicente Pumped Storage Project is possible

2023 Sponsorship Revenue for Regional Meetings

Totals

\$147,000 actuals (\$120,000 budget)

30 sponsoring organizations

Details by Meeting

Meeting	Sponsorship Revenue	Budget	Variance
MW Regional Meeting	\$36,750	\$30,000	\$6,750
NE Regional Meeting	\$38,750	\$30,000	\$8,750
AK Regional Meeting	\$36,750	\$30,000	\$6,750
CA Regional Meeting	\$34,750	\$30,000	\$4,750

National Level Sponsors, to date:

- American Babbitt Bearing
- American Hydro
- Andritz
- Ballard Marine Construction
- Black & Veatch
- Emerson
- GE Renewable Energy
- GEI Consultants
- HDR
- J.F. Brennan
- Kleinschmidt
- L&H Industrial
- Litostroj
- Mavel
- Mesa Associates
- Schnabel Engineering
- Stantec
- Thompson | HCMS
- Troutman Pepper
- TurbinePros
- Van Ness Feldman
- WSP

Specific Region Sponsors:

Midwest:

- BCI Construction
- Lemke Industrial
- Mead & Hunt

Northeast:

- Gomez and Sullivan
- Steel-Fab, Inc.
- Underwater Construction Corporation

Alaska:

- Barnard
- McMillen

California:

- McMillen

2024 Planning To Date

Southeast Regional: January 23-24, 2024, Auburn, Alabama

Midwest Regional: Late April/Early May, 2024, Des Moines, Iowa

- In partnership with Midwest Hydro Users Group (MHUG)
 - Host: Missouri River Energy Services
 - Home of the U.S. Department of Energy's 2024 Hydropower Collegiate Competition Grand Finale
-

PUBLIC AFFAIRS

SAVE THE DATE – August 24 is #HydroDay

- Theme: “Hydropower is Key”
 - Three top-line messages that utilize this theme will be released as well to provide some guidance on how to use the theme. However, the theme is intentionally flexible so participants can speak to any aspect of hydropower in their messaging on the day
- Focusing on four outreach tactics this year:
 - **Social media toolkit** and tailored talking points that utilize the theme to be shared with NHA members and non-members involved in the Public Affairs (PA) Committee. Those involved in the PA Committee are communicators within the industry and are the ones usually responsible for planning social media content for their organizations. We have seen that having a toolkit with ready-to-go posts reduces a barrier to entry to participate and engage on the day. Also, sharing these tools and tips ahead of time helps raise awareness of the day and encourages more bespoke posts to be created by the industry using the theme to relate to a specific service area.
 - **White House, Hill, and Federal Agency direct outreach** – utilizing existing relationships and performing direct outreach to develop new relationships with White House staff, Capitol Hill staffers, and federal agency staff that work with waterpower – such as Department of Energy, Bureau of Reclamation, US Army Corps of Engineers, etc. This direct outreach can help improve overall engagement on the day, but also serves as an excuse to bring hydropower to top-of-mind for these government entities.
 - **Site visit invitations** to be sent from facility owners/operators or those involved in the supply chain. Hydropower is in the backyards of local media outlets and U.S. Representatives and Senators. NHD is a milestone event that can serve as an excuse to reach out to media outlets or a government official. It can be as easy as sending a note to your media outlet or government official (who will be on August recess) that says, “Hey, National Hydropower Day is coming up! You should come and see the hydropower in your backyard in acknowledgement of the day.”

- **NHA social media engagement on the day** that executes a pre-made social media plan. This plan will include pushing out original NHA content but also utilizing the ready-to-go graphics that could be found in the social media toolkit being sent to members.

Key Coverage:

Rep. McMorris Rodgers introduces bill to expand hydropower production, DailyEnergyInsider, June 14, 2023

- "This bill recognizes the crucial role of hydropower in establishing a resilient, clean electricity grid by improving the needlessly burdensome FERC hydropower licensing process. By improved decision-making and coordination among all stakeholders, this legislation addresses the excessive time, cost, and uncertainty associated with the current process. With almost half of the non-federal fleet up for relicensing, this bill will protect and expand valuable hydropower assets in an environmentally responsible manner. Rep. McMorris Rodgers has been a long-standing hydropower champion, and we thank her for continuing to push for licensing reform," Malcolm Woolf, CEO and president of the National Hydropower Association, said.

Major US power source facing extinction thanks to red tape, sparking calls for reform, FOXNews, May 18, 2023

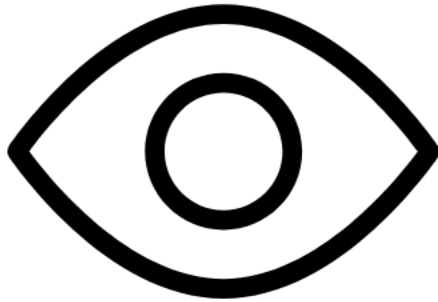
- "Our concern is that, without greater clarity on the licensing process, both how long it's going to take for the process and how much it's going to cost for the process, a lot of asset owners are simply going to decide to surrender their license," National Hydropower Association (NHA) President and CEO Malcolm Woolf told Fox News Digital in an interview.

Lawmakers Back Speedier Dam Licenses for Grid, Climate Goals, Bloomberg Law, May 10, 2023

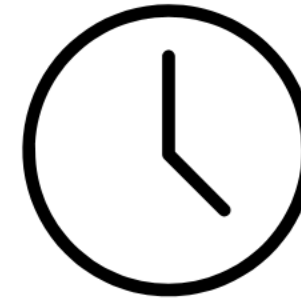
- With permitting reform at the top of the agenda in Washington, hydropower supporters are gearing up to ensure they have a seat at the table, Malcolm Woolf, president and CEO of the National Hydropower Association, said in an interview at the conference.



www.hydro.org/powerhouse



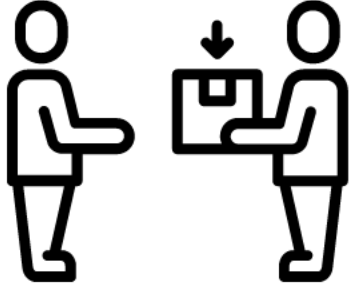
9,268
(# of Page Views)
21% of visits to hydro.org



2:45
(Average # of Minutes Spent on POWERHOUSE Pages)

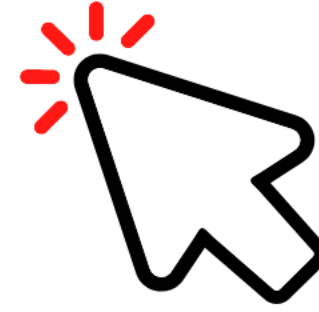
Every week, NHA staff posts content on www.hydro.org/powerhouse. Sections of content are: Insights, Connect and Learn, and Company Announcements.

POWERHOUSE Email Statistics:
Averages from All Weekly Emails Sent from 5/1- 6/30



6,925

(Average # of Recipients)



251 (4% of Recipients)

(Average # of Unique Clicks*)



1,985 (29% of Recipients)

(Average # of Unique Opens**)



13%

(Average % of Unique Clicks to Open***)

POWERHOUSE is distributed on a weekly basis to over 7,000 recipients. By utilizing RASA, an AI informed news aggregator, NHA is able to find and identify stories about waterpower related to member interests. Relevant stories are then 'fed' back to readers via a personalized email.

* Unique Clicks = # of unique recipients that click on a link
** Unique Opens = # of recipients who opened the email
*** Unique Clicks to Open = Of the recipients who opened the email, the % who clicked on a link

Social Media Statistics from May 1 - June 30, 2023



3,679 (Total # of Followers)

4,469 (Total # of Followers)

2,102 (Total # of Followers)

389 (Total # of Followers)

44 (Total # of **New Followers)**

363 (Total # of **New Followers)**

15 (Total # of **New Followers)**

23 (Total # of **New Followers)**

79 (Total # of Posts)

50 (Total # of Posts)

31 (Total # of Posts)

75 (Total # of Posts)

264 (Total # of Reactions)

1,397 (Total # of Reactions)

110 (Total # of Reactions)

285 (Total # of Reactions)

16 (Total # of Comments)

38 (Total # of Comments)

6 (Total # of Comments)

10 (Total # of Comments)

Social Media Growth from Jan 1 - June 30, 2023



3,679 (Total # of Followers)

4,469 (Total # of Followers)

2,102 (Total # of Followers)

389 (Total # of Followers)

58 (Total # of **New Followers)**

700 (Total # of **New Followers)**

298 (Total # of **New Followers)**

81 (Total # of **New Followers)**

2% (Growth)

22% (Growth)

17% (Growth)

26% (Growth)



Diversity, Equity, and Inclusion (DEI)

July 17, 2023

Policy

NHA has taken the following steps to promote inclusivity at all levels of the organization’s activities.

- Monthly Diversity, Equity, and Inclusion Moment during a weekly NHA Staff Meeting, with facilitated discussion.
- Commitment to promoting new voices and diversity on all panels, with a goal of eradicating panels featuring only white men.
- Increased emphasis on ensuring that public-facing marketing, social media, etc. highlight a diverse range of industry professionals.
- “Diversity, Equity, and Inclusion Tip of the Week” included in NHA Member Playbook to help NHA members with small, easy, and accessible ways to create a more inclusive industry.

Data

In an effort to establish a diversity baseline regarding participating in NHA’s in-person regional and national events, NHA staff is collecting attendee data regarding gender, age, and race.

The information below provides a snapshot of in-person events that have been held so far in 2023.

	2023 Midwest Regional Meeting, April 26, 2023
Gender	<p>36% of attendees answered the question when registering</p> <p>Of those that answered:</p> <ul style="list-style-type: none"> ○ 78% identified as Male ○ 22% identified as Female <p>Out of 29 speakers on the agenda, 34% were women</p>
Age	<p>23% of attendees answered the question when registering</p> <p>Of those that answered:</p> <ul style="list-style-type: none"> ○ 6% - < 30 ○ 21% - 30 to 39 ○ 31% - 40 to 49 ○ 12% - 50 to 59 ○ 8% - 60 to 69 ○ 6% - > 70

Race	<p>25% of attendees answered the question when registering</p> <p>Of those that answered:</p> <ul style="list-style-type: none"> ○ 94% - white ○ <p>Other individual responses:</p> <ul style="list-style-type: none"> ○ 2 said they were Asian ○ 1 were American Indian/Alaskan Native
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	2022 Waterpower Week	2023 Waterpower Week
Gender	<p>64% of attendees answered the question when registering</p> <p>Of those that answered:</p> <ul style="list-style-type: none"> ○ 68% identified as Male ○ 31% identified as Female <p>Out of 123 speakers on the agenda, 39% were women</p>	<p>93% of attendees answered the question when registering</p> <p>Of those that answered:</p> <ul style="list-style-type: none"> ○ 64% identified as Male ○ 31% identified as Female ○ 5% preferred not to answer <p>Out of 133 speakers on the agenda, 40% were women</p>
Age	<p>52% of attendees answered the question when registering</p> <p>Of those that answered:</p> <ul style="list-style-type: none"> ○ 8% - < 30 ○ 12% - 30 to 39 ○ 27% - 40 to 49 ○ 24% - 50 to 59 ○ 19% - 60 to 69 ○ 4% - > 70 	<p>88% of attendees answered the question when registering</p> <p>Of those that answered:</p> <ul style="list-style-type: none"> ○ 5% - < 30 ○ 17% - 30 to 39 ○ 23% - 40 to 49 ○ 19% - 50 to 59 ○ 14% - 60 to 69 ○ 2% - > 70 ○ 20% prefer not to answer
Race	<p>52% of attendees answered the question when registering</p> <p>Of those that answered:</p> <ul style="list-style-type: none"> ○ 79% - White <p>Other individual responses:</p> <ul style="list-style-type: none"> ○ 9 said they preferred not to answer 	<p>89% of attendees answered the question when registering</p> <p>Of those that answered:</p> <ul style="list-style-type: none"> ○ 71% - White ○ 4% - Asian ○ 3% - Other ○ 1% Black/African American

	<ul style="list-style-type: none">○ 7 said they were Asian○ 2 were American Indian/Alaskan Native○ 1 each Native Hawaiian, Hispanic, and Black/African American○ 3 said they were other	<ul style="list-style-type: none">○ 18% prefer not to answer <p>Other individual responses:</p> <ul style="list-style-type: none">○ 3 said they were Hispanic○ 1 were American Indian/Alaskan Native
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<u>Item or Activity</u> <i>as of July 1, 2023</i>	<u>Responsible Staff Member</u> <i>as of July 1, 2023</i>
<u>Advocate</u>	
Advocacy Day at Waterpower Week in Washington	Matthew Allen; Brittney May
Deep Dive Policy Team	Malcolm Woolf
Legislation/Interaction with Congress	Matthew Allen; Brittney May
Legislative Affairs Committee	Matthew Allen; Brittney May
Marine Energy Council (MEC)	Kelly Rogers
Markets Committee	Michael Purdie
National Hydropower Day	Kelly Rogers
Outstanding Stewards of America's Waters (OSAW) Awards	Kimberly Costner
Pumped Storage Development Council	Michael Purdie
Regulatory Affairs Committee	Michael Purdie; Anthony Laurita
Small Hydro Development Council	Kelly Rogers
Uncommon Dialogue	Malcolm Woolf
Waterpower Innovation Council (WIC)	Chris Hayes
<u>Inform</u>	
Content Development for National Conferences	Marla Barnes; Chris Hayes; Jeremy Chase-Israel
Hydro Map - State-by-State	Kelly Rogers
Hydropower Technical Community (HTC), including topic focus groups of: Dam Safety, Operations and Maintenance, and Operational Excellence	Chris Hayes
Operational Excellence (OpEx) online resource tool	Chris Hayes
POWERHOUSE Media Platform	Jeremy Chase-Israel
Press Relations	Malcolm Woolf
Public Affairs Committee	Malcolm Woolf; Kelly Rogers
Social Media - for clean energy thought leaders	Malcolm Woolf
Social Media - for industry	Jeremy Chase-Israel
Waterpower Research Portal (WaRP)	Chris Hayes
www.hydro.org website updates	Catherine Ryan; Marla Barnes
<u>Connect</u>	
Asset Owner Only Forums (Senior Leaders, Chief Dam Safety Engineers, O&M Staff, etc.)	Chris Hayes
Career Center (Jobs Board)	Catherine Ryan
CEO Council	Malcolm Woolf; Kimberly Costner
Clean Currents	Francesca Blanco Hadjimichael; Joseph LoSasso; Marla Barnes
Future Leaders of Waterpower (FLOW)	Marycella Dumlao
Regional Meetings	Marycella Dumlao; Francesca Blanco Hajimichael; Joseph LoSasso; Chris Hayes; Marla Barnes
Sponsorships and Exhibits for Clean Currents, Waterpower Week, Regional Meetings, and POWERHOUSE (i.e., Non-Dues Revenue)	Joseph LoSasso
Waterpower Week in Washington	Francesca Blanco Hadjimichael; Joseph LoSasso; Marla Barnes
<u>Implement (Operations)</u>	
Diversity, Equity and Inclusion (DEI) Initiative	Marycella Dumlao
Henwood Award	Kimberly Costner
NHA Board of Directors, including quarterly meetings and annual elections	Malcolm Woolf; Kimberly Costner
NHA Member Communications (<i>NHA Member Playbook</i> newsletter, Outlook Meeting Requests, Email Communications)	Catherine Ryan; Marla Barnes; Jeremy Chase-Israel
NHA Membership; Online Member Directory; Member Engagement	Marla Barnes; Joseph LoSasso; Catherine Ryan
NHA Portal	Catherine Ryan
Scholarship - Past Chairs' Legacy Scholarship	Kimberly Costner



2023-26 NHA's Goals and Strategies

August 22, 2022

GOALS: To continually improve NHA's core value proposition, NHA will enhance the organization's ability to:

ADVOCATE to preserve, enhance, and expand the use of waterpower generation to advance a 21st century clean energy grid.

CONNECT member organizations and their employees with other waterpower professionals to build relationships, exchange knowledge, and facilitate business.

INFORM members, the industry, policy makers, and stakeholders about timely industry-related policy and technical developments and how those developments will affect the industry; and the many public benefits provided by waterpower.

IMPLEMENT internal operational practices for the association that will ensure a high-performing, effective organization.

STRATEGIES: NHA will implement the following strategies, specifically targeted for each of the organization's goals:

ADVOCATE to preserve, enhance, and expand the use of waterpower generation to advance a 21st century clean energy grid.

To achieve this goal, NHA will leverage its policy committees/councils, specifically those focused on legislative, regulatory, markets, pumped storage, small hydropower, marine energy, and deep dive policy. Strategies to achieve this goal will include:

- Improving the license and relicensing process;
- Achieving tax parity with other renewables;
- Shaping wholesale markets to more fully compensate hydropower for the value it provides;
- Ensuring parity with other renewables in any climate or energy policy;
- Growing federal RD&D funding for marine energy, pumped storage, and conventional hydropower technologies;
- Raising the visibility among lawmakers of hydropower as an essential element of a reliable grid;
- Nurturing relationships with key lawmakers and their staffs to ensure NHA is the go-to source for information and ideas about supporting the waterpower industry; and
- Engaging in key states for waterpower as a resource.

CONNECT member organizations and their employees with other waterpower professionals to build relationships, exchange knowledge, and facilitate business.

To achieve this goal, NHA will leverage its various policy and technical committees, as well as its advisory committees focused on NHA national events (Clean Currents and Waterpower Week in Washington), Regional Meetings, and the Future Leaders of Waterpower (FLOW). Strategies to achieve this goal will include:

- Establishing Clean Currents Conference + Tradeshow as THE Industry Event, providing a one-stop shop for connecting with the full breadth of the waterpower industry;
- Leveraging Waterpower Week in Washington to expand the waterpower industry's voice on Capitol Hill, with the Administration, and with regulators, and to facilitate industry peer-to-peer engagement;
- Enhancing NHA's Regional Meetings to provide more local focus, more intimate networking, and regionally-specific knowledge exchange among asset owners and product/service suppliers; and
- Providing forums for sharing operational experiences, with the objective of maintaining project operational excellence and human safety.
- Promoting diversity in speakers and attendees at all NHA's events to accelerate the industry's transition to look more like the customers we serve.

INFORM members, the industry, policy makers, and stakeholders about timely industry-related policy and technical developments and how those developments will affect the industry, and the many public benefits provided by waterpower.

To achieve this goal, NHA will leverage its technical committees/councils. Strategies to achieve this goal include:

- Informing NHA members webinars, and committee/council-specific convenings;
- Informing industry and those affecting the industry by enhancing *NHA's POWERHOUSE* as the go-to industry media platform;
- Informing the general public through a multi-faceted social media campaign to raise awareness of the benefits of hydropower, particularly among those aged 25-40.

IMPLEMENT internal operational practices to ensure a high-performing, effective organization.

Strategies to achieve this goal include:

- Maintaining NHA's financial health;
- Implementing diversity, equity, and inclusion in all aspects of NHA's activities;
- Preserving NHA's membership retention rate; and
- Deepening the level of member engagement, including cultivating a larger pipeline of industry talent.



2023 NHA Priority Actions

August 22, 2022

ADVOCATE to preserve, enhance, and expand the use of waterpower generation to advance a 21st century clean energy grid. 2023 priorities include:

- **Streamlining Licensing and Relicensing** – Grow stakeholder coalition and cultivate relationships with members of the Senate Energy and Natural Resources Committee and House Energy & Commerce Committee to introduce a bipartisan legislative reform package in both the House and Senate that reflects NHA’s licensing and relicensing priorities.
- **Creating Tax Support to Preserve and Enhance Existing Hydropower** – Grow stakeholder coalition and cultivate relationships with members of the Senate Finance and House Ways & Means Committees to advance federal tax support for preserving and enhancing existing waterpower resources (including direct pay for public power).
- **Investing in Waterpower RD&D** – Deepen relationships with members of the Senate and House Appropriations Committees to increase federal RD&D funding for marine energy, pumped storage, and conventional hydropower technologies.
- **Effective Implementation of DOE’s Bipartisan Infrastructure Grants and the Inflation Reduction Act** – Actively engage with DOE to ensure that the \$900M+ secured for waterpower in the Bipartisan Infrastructure law is effectively distributed, and with Treasury and others as appropriate to ensure effective implementation of the Inflation Reduction Act.
- **Retrofitting Non-Powered Dams** – Cultivate relationships with members of the Senate Environment and Public Works and House Transportation & Infrastructure Committees to enact into law provisions streamlining the USACE process for adding generation at NPDs.
- **Valuing Reliability Services in Wholesale Electricity Market Design** – Engage with FERC and RTO/ISOs and states to increase awareness of the essential reliability services provided by hydropower and pumped storage, particular in proceedings related to capacity accreditation, energy and ancillary services reforms, and/or other RTO/ISO initiatives.
- **Avoiding Unnecessary Regulatory Barriers** – Engage with federal agencies to ensure that the waterpower industry’s priorities are incorporated into key regulatory proceedings, including FERC’s financial assurance proposal and EPA’s proposed CWA 401 rule.

CONNECT member organizations and their employees with other waterpower professionals to build relationships, exchange knowledge, and facilitate business. 2023 priorities include:

- **Attracting Asset Owners to Clean Currents** - Outcompete competition by making CC23 a “must attend” event for asset owners.

- **Using Waterpower Week to Enhance NHA’s Advocacy Efforts** – Expand Hill staff participation, Hill meetings, and number of advocacy professionals (government affairs, regulatory, licensing, etc.) engaged in Waterpower Week in Washington.
- **Promoting DEI at All NHA Events** - Accelerate the industry’s transition to look more like the customers we serve by promoting diversity in speakers and attendees at all of NHA’s events.

INFORM members, the industry, policy makers, and stakeholders about timely industry-related policy and technical developments and how those developments will affect the industry, and the many public benefits provided by waterpower. 2023 priorities include:

- **Expanding NHA’s Social Media engagement** – develop and implement systematic social media engagement (focusing specifically on LinkedIn, Twitter, Facebook and Instagram) to expand reach to both industry members and the general public, with the goal of increasing followership by 10 percent across media channels.
- **Reaching 1M+ Millennials** – raise awareness and appreciation of waterpower as an essential part of a reliable, clean energy grid by reaching at least 1M+ millennials (ages 25-40) via targeted, paid digital media campaign with at least 7x frequency.

IMPLEMENT internal operational practices to ensure a high-performing, effective organization. 2023 priorities include:

- **Deepening Member engagement** – deepen member engagement in NHA programming and events (as compared to 2022).
- **Executing Office Relocation with Minimal Disruptions** – implement office move without adversely impacting organizational performance.
- **Retaining NHA Staff** – retain talent at all levels of Team NHA.

BYLAWS NATIONAL HYDROPOWER ASSOCIATION

ARTICLE I. Name

The name of this corporation shall be the National Hydropower Association, Inc., hereinafter referred to as NHA.

ARTICLE II. Objectives

The objects and purpose of this association shall be:

- A. To unite in common organization any person, trade union, firm, company, corporation, partnership, trade association, governmental entity or other organization which owns a hydropower facility, or which is engaged, directly or indirectly, in the manufacture of hydropower equipment or the development, financing, licensing, operation, or maintenance of hydropower facilities; or in providing services to the hydropower industry.
- B. To encourage, stimulate and promote cooperation among the members of the hydropower industry;
- C. To promote the common interests of its members and improve their business condition; and
- D. To conduct other such activities as may be within the meaning of Section 501(c)(6) of the Internal Revenue Code of 1954, as amended. Specifically, these may include but shall not be limited to:
 1. Influencing legislation of interest to NHA members by appearances before, submittal of statements to, and transmittal of communications to committees and individual members of Congress with respect to legislation or proposed legislation.
 2. Promoting better understanding of the hydropower industry by regulatory agencies and review and comment on regulations or proposed regulations affecting the industry.
 3. Improving hydropower's public image by conducting a public relations program, including preparing and publishing material to educate the public, energy stakeholders and other interested entities about hydropower.
 4. Developing programs and the holding of seminars and lectures for the education of its members and the general public.
 5. Promoting research on and analysis of methods and effects of increasing the utilization of hydropower in the United States.
 6. Helping generator members achieve a high level of operational excellence in their hydropower operations.

ARTICLE III. Members

Section 1. Requirements. Membership in NHA shall be limited to any person, trade union, firm, company, corporation, partnership, trade association, governmental entity, or other organization which:

- A. Owns or leases a hydropower facility, or
- B. Is engaged, directly or indirectly, in the manufacture of hydropower equipment; the development, financing, licensing, operation or maintenance of hydropower facilities; or in providing services to the hydropower industry.

Section 2. Classification. There shall be two classes of membership, voting and associate; the voting class shall be made up of three grades of membership, Generator members, Service Industry members, and supporting members:

- A. The Generator grade shall:
 - 1. Include members that own, directly or indirectly, hydropower facilities in operation.
 - 2. Be comprised of two levels of membership:
 - a. Leadership Level – generators with an installed capacity greater than or equal to a capacity established by the Board of Directors.
 - b. Contributing Level – generators with an installed capacity less than the limit set for the Leadership Level as established by the Board of Directors.
 - 3. Have full voting and participation rights in NHA.
- B. The Service Industry grade shall:
 - 1. Include members that provide services or manufacture equipment to the hydropower industry.
 - 2. Be comprised of two levels of membership:
 - a. Leadership Level – Service Industry members with annual revenues from the hydropower industry greater than or equal to an amount established by the Board of Directors.
 - b. Contributing Level – Service Industry members with annual revenues from the hydropower industry less than the limit set for the Leadership Level as established by the Board of Directors.
 - 3. Have full voting and participation rights in NHA.
- C. The Supporting grade shall:
 - 1. Include members who are individuals, partnerships, corporations, or associations involved in any aspect of the hydropower industry described in Section 1 of this Article III , whose size or stake in the hydropower industry is small relative to Contributing Service Industry members;
 - 2. Have full voting and participation rights in NHA.

D. The Associate class shall:

1. Include members who are individuals, companies, educational institutions, governmental entities or associations with an interest in NHA.
2. Have no voting rights, but shall be allowed to attend annual meetings, conferences, and seminars and participate as otherwise directed by the Board of Directors.

The differences set forth distinguishing among the classes, grades, and levels of membership may be waived by the Chief Executive Officer, with the concurrence of the Executive Committee, for good cause. The Board of Directors shall be notified of any such waiver at its next regularly scheduled meeting.

Section 3. Admission of Membership. Admission of membership shall be obtained by eligible persons, as defined in this Article, Section 2, A, B, C, D, upon written application, and full payment of dues.

Section 4. Annual Dues.

- A. Annual dues for each grade and class of membership shall be established by the Board of Directors.
- B. Annual dues are payable prior to February 15 and are considered delinquent after March 1.
- C. Members whose current dues are not paid in full before April 1 or the Annual Conference (whichever comes first) shall cease to be a member of NHA. Any such member shall be eligible to reapply for membership without prejudice.

The Board of Directors may revise dues from previously established amounts upon a 2/3 majority vote of the Directors at a meeting for which advance notice of pending dues revision of at least 10 days has been given or by a unanimous vote of all Directors without notice of such pending dues revision.

Section 5. Resignation.

- A. A member may resign from NHA by giving notice to the Chief Executive Officer and any such resignation shall be presented at the next meeting of the Board of Directors.
- B. Dues shall not be refunded to a member presenting its resignation.

Section 6. Suspension and Expulsion. Members must remain in good standing to retain their membership privileges. Good standing includes, but is not limited to, keeping current with dues and other payments to NHA and acting in a manner not prejudicial to the best interests of NHA or its members. The Board of Directors shall have the power to suspend or expel any member, for cause, which may include a violation of any provision of these bylaws.

ARTICLE IV. Board of Directors

Section 1. Composition.

- A. The members of the Board of Directors shall be:
 - 1. The 20 elected Directors;
 - 2. The Chief Executive Officer;
 - 3. The General Counsel;
 - 4. The three most recent Past Chairmen;
 - 5. Up to five (5) additional persons, appointed by the Board of Directors, for no more than a one-year period.
- B. Voting Rights of Directors. Only the 20 elected Directors and the immediate Past Chairman have the right to vote.

Section 2. Nomination and Election of Voting Directors.

- A. Nomination.
 - 1. Eligibility for office as a voting Director.
 - a. Only individuals of Generator, Service Industry, or Supporting grade members of NHA in good standing shall be eligible to be nominated, elected or serve as a voting Director.
 - b. Individuals from a member company with a representative already serving as a voting Director shall not be eligible to be nominated, elected or appointed to serve as a voting Director during the same term.
 - c. No Director shall serve more than eight (8) consecutive years as an elected Director.
 - 2. The Chairman shall appoint a Nominating Committee of five (5) members of the Board of Directors in consultation with the Executive Committee, and shall designate one member to serve as Chair of the Committee. The members shall serve staggered two-year terms. The Chairman and Chief Executive Officer shall serve as advisory members of the Nominating Committee.
 - 3. The Nominating Committee shall propose no less than ten (10) and no more than twelve (12) nominees to the Board of Directors for its consideration as candidates to be submitted to the membership for election to the Board.
 - 4. The Nominating Committee shall solicit recommendations from the NHA membership for nominations for Board candidates.
 - 5. The Board of Directors shall approve a list of ten (10) candidates for election to the Board of Directors, no more than two (2) of whom may be incumbent voting Directors.
 - 6. The consent of each candidate must be obtained before his or her name is placed on the ballot for election.

7. If sufficient candidates withdraw their names from the election so that the total number of candidates is less than the number of seats to be filled, any unfilled seat shall be treated as a vacancy and filled by an election by the Board of Directors.
8. Representation. So far as possible, the Board of Directors should include:
 - a. Representation from the following industry groups:
 - 1) Manufacturers and suppliers.
 - 2) Developers.
 - 3) Consultants and engineers.
 - 4) Industry.
 - 5) Municipalities.
 - 6) Public and private utilities.
 - 7) Independent power producers.
 - 8) Contractors.
 - b. Representation should be as regionally balanced as possible, without excluding any member on that basis alone.

B. Elections.

1. Election of Directors may be conducted by mail, electronic voting, or other such method as determined by the Board of Directors,
2. Election shall be by ballot. Ballots shall be sent no later than twenty-one (21) days prior to the date of the fall Board of Directors meeting.
3. Members shall vote for five of the ten nominees. The five candidates receiving the highest vote totals shall be deemed elected.
4. In the event there is a tie for the fifth Board position, that Board position is deemed to be vacant. By election of the Board of Directors, with a minimum of eleven (11) affirmative votes, the vacancy shall be filled from among those nominees who tied for the fifth Board position.

Section 3. Term of Office. An elected Director's term of office shall begin on January 1 and shall be for a period of four (4) years.

Section 4. Vacancy in Office.

- A. Any Director who no longer meets the eligibility for office requirements provided by these bylaws or who submits to the Chairman a notice of resignation from the Board shall cease to be a member of the Board of Directors creating an immediate vacancy.
- B. A vacant Board position shall be filled by election by the Board of Directors within a reasonable time. Prior to any such election, the Executive Committee shall prepare a list of nominees for the Board's consideration to fill the vacancy.
- C. A Director elected to fill a vacancy shall hold office for the remainder of the term of the Director whose Board position has been vacated.

Section 5. Authority and Responsibility.

- A. The Board of Directors shall be the governing body of NHA and shall have responsibility for its general supervision and strategic direction. In fulfilling this responsibility, the Board of Directors shall have the authority to:
1. Hold meetings at such times and places as it thinks proper.
 2. Admit, suspend or expel members.
 3. Print and circulate documents and publish articles.
 4. Retain a President who shall be NHA's chief executive officer ("Chief Executive Officer") and other officers as necessary, and shall appoint a General Counsel.
 5. Establish bank accounts as may be necessary to carry out the purposes of NHA.
 6. Devise and carry out such other measures as it deems proper to promote the objectives of NHA.
 7. Elect the Board Officers at the fall Board meeting and fill any vacancies in office as needed.
 8. Have the authority to adopt special rules of order or standing rules to govern its own proceedings.
 9. Establish business and financial policies and procedures consistent with sound business practices.

Section 6. Meetings.

- A. Regular.
1. At least four regular meetings of the Board of Directors shall be held each year. At least twenty (20) days' notice shall be given each member of the Board of Directors.
 2. The meetings shall be held at times and places to be determined by the Board of Directors.
 3. Any NHA member in good standing may attend meetings of the Board of Directors.
- B. Special. Special meetings of the Board of Directors may be called by the Chairman or upon written request of five (5) Directors. At least ten (10) days' notice shall be given each member of the Board of Directors.

Section 7. Ratification of Board Action. Any action that is not supported by the vote of at least eleven (11) Directors shall be submitted to the full Board by mail or electronic mail within ten (10) days for ratification.

Section 8. Action Without Meeting. Except for actions requiring two-thirds (2/3) majority vote, any action required or permitted to be taken at any meeting of the Board of Directors may be taken without a meeting, through other means of direct communication.

Section 9. Quorum. Eleven (11) voting members of the Board of Directors participating in the meeting either in person or by other means of direct communication

shall constitute a quorum, provided however that such direct communications shall not include the granting of a proxy by one Director to another.

ARTICLE V. Board Officers

Section 1. Elected Officers. The elected Board officers of NHA shall be a Chairman, a Vice Chairman, a Secretary, and a Treasurer.

Section 2. Appointed Officers. Appointed Board officers shall be the Chief Executive Officer and the General Counsel who shall be the chief legal officer of NHA. The Chief Executive Officer and General Counsel shall attend all meetings of the Board of Directors and Executive Committee in an advisory capacity.

Section 3. Nomination and Election of Officers.

A. Qualifications.

1. Nominees for the offices of Chairman and Treasurer shall be individuals who during the term of office for which they are nominated shall be one of the twenty (20) elected Directors and shall have served on the Board as an elected or advisor Director for at least one year during the seven years prior to their prospective term of office.
2. Nominees for the offices of Vice Chairman and Secretary shall be individuals who during the term of office for which they are nominated shall be one of the twenty (20) elected Directors.
3. Nominees for elected offices must be an individual of a company or organization, during their term of office, which is a Generator or Service Industry or Supporting member of NHA.

B. Nominations. The Nominating Committee shall provide a slate of candidates for Board officers.

C. Representation. In developing a slate of candidates, the Nominating Committee shall consider the following:

i. Representation from the following industry groups:

1. Manufacturers and suppliers.
2. Developers.
3. Consultants and engineers.
4. Industry.
5. Municipalities.
6. Public and private utilities.
7. Independent power producers.
8. Contractors.

ii. Representation should be as regionally balanced as possible, without excluding any member on that basis alone.

D. Nominations for elected Board officers may also be made by a Director at the summer and fall Board meetings.

- E. Elections. Elections of officers shall take place at the fall Board of Directors meeting with a quorum of Board members present. A majority vote of the Directors shall constitute election.

Section 4. Term of Office. All elected officers shall take office on January 1 and shall serve for one year. An officer may be removed for cause at any time by the vote of two-thirds (2/3) of the Board of Directors at a meeting of which at least 10 days' notice of such removal issue has been given, and shall automatically lose their office if his or her membership or the membership of their organization lapses for any reason as provided in these bylaws.

Section 5. Duties of Officers. Officers shall perform the duties provided in this section and such other duties as are prescribed for the office in these bylaws and in the adopted parliamentary authority.

A. The Chairman shall:

1. Be the Chairman of the Board of Directors and be an official spokesperson of NHA.
2. Preside at the meetings of the membership, the Board of Directors, and the Executive Committee.
3. Appoint the chair and co-chairs of all Standing Committees and Councils, with consultation with the Executive Committee.
4. Be a member of all committees, with the exception of the Nominating Committee of which he or she serves as an advisor.
5. Make recommendations to the members and the Board of Directors at the annual meeting and at other appropriate times on ways to promote the goals of NHA.
6. Fulfill such other duties as may be assigned by the Executive Committee or the Board of Directors.

B. The Vice Chairman shall:

1. Assist the Chairman and preside at meetings in the absence of the Chairman.
2. Serve as acting Chairman until a new Chairman is selected by the Board of Directors, if a vacancy occurs in the office of Chairman.
3. Fulfill such other duties as may be assigned by the Chairman, the Executive Committee or the Board of Directors.

C. The Secretary shall:

1. Record the minutes of Board of Directors meetings and Executive Committee meetings.
2. Provide copies of the minutes of the Board meetings to each member of the Board and to such other persons as may be directed by the Chairman or the Board of Directors.
3. Furnish a copy of the minutes of Executive Committee meetings to each member of that committee and to the Chief Executive Officer.
4. Fulfill such other duties as may be assigned by the Chairman, the Executive Committee or the Board of Directors.

- D. The Treasurer shall:
1. Monitor the financial affairs of NHA.
 2. Make financial reports at each meeting of the Board of Directors and to the Executive Committee when requested.
 3. Submit an audited annual report at the annual meeting.
 4. Deliver to his or her successor all books and records.
 5. Fulfill such other duties as may be assigned by the Chairman, the Executive Committee or the Board of Directors.
- E. Delegation of Duties. The Board officers may from time to time delegate the performance of their duties outlined in this section to the Chief Executive Officer, or with consultation with the Chief Executive Officer, to other salaried NHA employees, but in any case such Board officer shall remain responsible for assuring that his or her assigned duties are properly discharged.

ARTICLE VI. Executive Committee of the Board

Section 1. Composition. Members of the Executive Committee shall be the elected Board officers and the immediate Past Chairman. The Chief Executive Officer and General Counsel shall attend Executive Committee meetings in an advisory capacity.

Section 2. Duties. The Executive Committee shall:

- A. Have general supervision of the affairs of NHA between meetings of the Board of Directors.
- B. Conduct business that may be referred to it by the Board of Directors.
- C. Consult on committee, council and other appointments by the Chairman as provided in these bylaws.
- D. Formulate recommendations and policies to be submitted for approval by the Board of Directors
- E. Have the authority to adopt special rules of order or standing rules to govern its own proceedings.
- F. Perform such other duties as defined in these bylaws or as specified by action of the Board of Directors or the membership at a general meeting.

Section 3. Meetings. Meetings of the Executive Committee shall be at the call of the Chairman, or at the request of three (3) members of the committee. At least five (5) days' notice shall be given each member of the committee, except for a meeting called during a session of the Board of Directors or at a membership meeting.

Section 4. Business.

- A. Business may be conducted by mail, electronic mail or telephone conference when necessary.

- B. Action taken by mail, electronic mail or telephone conference shall be ratified and made a part of the minutes of the next meeting of the Executive Committee.

Section 5. Quorum. Three (3) members, including at least the Chairman or Vice Chairman, of the Executive Committee shall constitute a quorum.

ARTICLE VII. Member Meetings

Section 1. Annual Meeting. An annual meeting of members shall be held each year in conjunction with the NHA conference. The purpose of the meeting shall be to inform the membership of the association's activities and to transact any business that may be properly brought before the meeting.

Section 2. Special Meetings. A special meeting of members may be called by the Board of Directors or upon written petition of twenty percent (20%) of the membership. Special meetings called as a result of written petition shall be held within 60 days of receipt of such petition.

Section 3. Time and Place. Notice of every meeting of members stating the location, date and time of the meeting, shall be sent to the address of each member as it appears on the records of NHA not less than 30 days (except special meetings called by petition) prior to the meeting.

Section 4. Quorum. The presence of 45 Generator or Service Industry or Supporting members of NHA shall constitute a quorum for the taking of votes. The Chairman, or a majority of Directors present, may direct that matters be submitted to the membership for vote.

Section 5. Voting. The voting rights of members shall be as stated in Article III. The affirmative vote of a majority of the votes entitled to be cast, by the members entitled to vote and present or represented by proxy at a meeting at which a quorum is present, shall be necessary for the adoption of any matter voted upon by such members, unless a greater proportion is required by law.

ARTICLE VIII. Committees

Section 1. Committee Appointment. The Chairman shall appoint the chair and co-chairs of all committees and councils or as otherwise provided in these bylaws.

Section 2. Standing Committees.

- A. The Board of Directors shall review the organization of established Standing Committees periodically.

- B. An annual strategic plan, developed in consultation with the Standing Committees, shall be adopted annually by the Board outlining the goals and initiatives of the Standing Committees.
- C. Committee Members. Committee membership shall be open to all Generator, Service and Supporting Grade members of NHA, and to such other NHA members as may be directed by the Board. The Chairman shall be a member of all committees.
- D. Written reports of committee work, including the Executive Committee, shall be provided to the Board of Directors at each Board meeting, unless excused by the Chairman or Chief Executive Officer.
- E. No member shall serve as chairman of more than one Standing Committee.

Section 3. Special Committees and Councils.

- A. The Board of Directors may create special committees and councils as it deems appropriate.
- B. Unless otherwise directed by the Board of Directors, the Chairman shall appoint the leadership and members of special committees and councils.

ARTICLE IX. Headquarters

Section 1. Location. The headquarters of NHA shall be located in the Washington, DC, metropolitan area at a place approved by the Board of Directors.

Section 2. Headquarters Staff.

- A. Composition. The headquarters staff of NHA shall be comprised of the Chief Executive Officer and additional staff as needed.
- B. Duties.
 - 1. The Chief Executive Officer shall:
 - a. Have responsibility for the day-to-day management and activities of NHA under direction of the Chairman. The Chief Executive Officer shall be an official spokesperson of NHA.
 - b. Engage additional staff required for the operations of NHA.
 - c. Maintain job descriptions for all personnel employed on behalf of NHA.
 - d. Have the authority to waive, subject to the concurrence of the Executive Committee, established distinctions between grades of membership for good cause.
 - e. Coordinate the distribution of meeting notices, meeting minutes and other communications to the Executive Committee, Board of Directors, and the general membership.
 - f. Have custody and control of the official seal subject at all times to the orders, instructions and control of the Board of Directors.

- g. Adhere to NHA’s business and financial policies and procedures.
 - h. Fulfill such other duties as may be assigned by the Chairman, the Executive Committee or the Board of Directors.
 - 2. Additional Staff. The duties of all other headquarters staff shall be defined by the Chief Executive Officer. All such staff shall be under the direction of the Chief Executive Officer.
- C. Employment of Chief Executive Officer and General Counsel. The Chief Executive Officer and General Counsel shall be employed or discharged by the Board of Directors.
- D. Compensation. Compensation for the CEO will be established by the Board of Directors.
- E. Bonding. All personnel employed by NHA who have authority to disburse funds may be bonded to levels determined by the Board of Directors.

ARTICLE X. Fiscal Policies

Section 1. Limitations on the Use of NHA Funds. All NHA funds must be used for the purposes of NHA and shall not inure to the benefit of any member, officer, or director.

Section 2. Supplemental Contributions. In addition to annual dues, members may make supplemental contributions to NHA. The contribution may be designated by the member for a specific purpose.

Section 3. Handling of Funds.

- A. Disbursements shall be made by the Chief Executive Officer or NHA staff, as designated by the Chief Executive Officer.
- B. NHA funds shall be deposited in a bank or banks or trust company approved by the Board of Directors.
- C. Records. Financial books and records of NHA shall be supervised at all times by the Board of Directors and shall be subject to its inspection and control.

Section 4. Separate Accounts. The Board of Directors may allocate annual dues and supplemental contributions to separate, segregated amounts for the different activities of NHA.

Section 5. Budget. A proposed budget shall be prepared annually by the Chief Executive Officer, reviewed by the Executive Committee, and submitted by the Chief Executive Officer to the Board of Directors for consideration, recommendations and approval. The annual budget for the following year shall be adopted by the Board of Directors before the end of the current fiscal year.

Section 6. Audit. The financial records of NHA shall be audited annually and at other times as requested by the Executive Committee or the Board of Directors. All audit reports shall be approved by the Board of Directors.

Section 7. Fiscal Year. The fiscal year for NHA shall begin on January 1 and end on December 31.

ARTICLE XI. Diversity, Equity and Inclusion

NHA and its Board of Directors are committed to incorporating the values of diversity, equity and inclusion in the governance and operations of this association. These values shall be codified in a diversity, equity and inclusion policy adopted by the Board of Directors.

ARTICLE XII. Contract and Indemnification

Section 1. No Personal Liability. No contract entered into by or on behalf of NHA shall personally obligate any NHA member, officer, director or employee authorizing such contract or executing same.

Section 2. Indemnification. Every director, officer, or employee shall be indemnified by NHA against all expenses and liabilities, including counsel fees, reasonably incurred or imposed upon him or her in connection with any proceeding to which he or she may be made a party, or in which he or she may become involved, by reason of his or her being or having been a director, officer, or employee of NHA, or any settlement thereof, whether or not he or she is a director, officer, or employee of NHA at the time such expenses are incurred.

Notwithstanding the foregoing, the indemnification provided in this section shall only apply if the indemnified party acted in good faith and in a manner reasonably believed to be in or not opposed to the best interests of NHA, and with respect to any criminal proceeding, had no reasonable cause to believe the conduct was unlawful. Moreover, the indemnification shall not apply in cases wherein the director, officer, or employee is adjudged guilty of willful misfeasance or malfeasance in the performance of his or her duties. The foregoing right of indemnification shall be in addition to and not exclusive of all other rights to which such director, officer, or employee may be entitled. For purposes of the preceding right of indemnification the term “director, officer, or employee” shall be construed to include all executives, Board members, and staff employees, whether salaried or not. The Board shall have the right to approve the selection of counsel retained by the indemnified party and shall also have the right to approve any settlements (or require settlements) to resolve claims or actions giving rise to indemnification under this Section.

NHA may supplement the right of indemnification specified above by purchase of insurance, indemnification agreements and advances for related expenses of any person indemnified.

ARTICLE XIII. Dissolution

Section 1. Dissolution. NHA may be dissolved upon a vote of members representing two-thirds (2/3) of the total votes of the membership entitled to vote at a duly called meeting of members.

Section 2. Distribution of Assets. Upon the termination, dissolution or other ending of NHA in any manner or for any reason, its assets, if any, remaining after payment (or provision for payment) of all liabilities of NHA shall be distributed to, and only to, one or more corporations, funds or foundations, qualified for exemption from federal income taxation under either (I) Section 501(c)(6) of the Internal Revenue Code of 1954, as amended, and organized and operated for one or more of the purposes enumerated in Article THIRD of the Articles of Incorporation or (ii) Section 501(c)(6) of the Internal Revenue Code of 1954, as amended, as may be determined by the Board of Directors.

ARTICLE XIV. Official Seal

The Official seal of NHA shall be in the form of a circle and shall set forth the name of the association, the year of its organization and the words “CORPORATE SEAL, DISTRICT OF COLUMBIA.”

ARTICLE XV. Parliamentary Authority

The rules contained in the current edition of Roberts Rules of Order Newly Revised shall govern the proceedings of NHA in all cases to which they are applicable and in which they are not inconsistent with these bylaws and any special rules of order that NHA may adopt.

ARTICLE XVI. Amendment of Bylaws

Section 1. Power to Amend. The power to alter, amend or repeal these bylaws shall be vested in the Board of Directors.

Section 2. Notice. Copies of proposed amendments to these bylaws shall be furnished to the Board of Directors at least ten (10) days in advance of a regular or special meeting of the Board of Directors.

Section 3. Approval of Amendments. Approval of amendments to these bylaws shall require a majority affirmative vote of the voting Directors as defined in Article IV, Section 1.B. herein.

NHA 2023 Executive Committee - Updated May 1, 2023							Term
Michael	Haynes, Chair	Seattle City Light	700 5th Avenue, Suite 3200/ P.O. Box 34023	Seattle, WA 98124-4023	mike.haynes@seattle.gov	(206) 684-3618	2023
Pamala	Sullivan	American Municipal Power, Inc.	1111 Schrock Rd., Ste. 100	Columbus, OH 43229	psullivan@amppartners.org	(614) 540-0971	2024
Sharon	White, Secretary	Rock Creek Energy Group	1 Thomas Circle NW, Suite 700	Washington, DC 20005	swhite@rockcreekenergygroup.com	(202) 998-2775	2024
Thomas	St. John, Treasurer	Alabama Power	600 N 18th Street	Birmingham, AL 35219	TWSTJOHN@southernco.com	(205) 918-6669	2025
Jay	Anders, Past Chair	Anders Hydropower Consulting	5172 Eaglefeather Ln.	Ooltewah, TN 37363	janders@southern.edu	(423) 362-2647	2025
James	Hancock, Counsel	Balch & Bingham LLP	1710 6th Avenue North - Eleventh floor	Birmingham, AL 35203	Jhancock@balch.com	(205) 226-3418	
Malcolm	Woolf, CEO	National Hydropower Association (NHA)	601 New Jersey Ave NW, Suite 660	Washington, DC 20001	mwoolf@hydro.org	(202) 750-8399	
Board							
Carl	Atkinson	Voith Hydro Inc.	P.O. Box 15022 / 760 East Berlin Rd.	York, PA 17405	Carl.Atkinson@voith.com	(717) 792-7891	2023
Suzanne	Biddle	Tennessee Valley Authority (TVA)	1101 Market Street	Chattanooga, TN 37402	sbiddle@tva.gov	(865) 254-1081	2026
Suzanne	Grassell	Chelan County PUD	327 N. Wenatchee Ave.	Wenatchee, WA 98801	suzanne.grassell@chelanpud.org	(509) 661-4177	2024
Scott	Hennessey	Brookfield Renewable Energy Group (US)	6307 Marywood Rd.	Bethesda, MD 20817	scott.hennessey@brookfieldrenewable.com	(917) 561-5967	2023
Randy	Herrin	Duke Energy Corporation	257 Duke Lane	Stanley, NC 28164	randy.herrin@duke-energy.com	(704) 812-1154	2023
Jeffrey	Leahey	SMI, Inc. (Strategic Marketing Innovations)	1020 19th St. NW #375	Washington, DC 20036	jeff@strategicmi.com	(202) 683-2358	2024
Chris	Mattson	Tacoma Power	3628 South 35th Street	Tacoma, WA 98409	cmattson@cityoftacoma.org	(253) 208-6141	2026
Alan	Michaels	New York Power Authority (NYPA)	30 South Pearl Street	Albany, NY 12207	alan.michaels@nypa.gov	(518) 801-6018	2026
Megan	Nesbitt	Andritz	10735 David Taylor Dr, Suite 500	Charlotte, NC 28262	megan.nesbitt@andritz.com	(704) 943-4343	2025
Christopher	Rousseau	J.F. Brennan Company	826 Wolner Drive	Cloquet, MN 55720	crousseau@JFBrennan.com	(218) 393-5585	2026
Charles	Sensiba	Troutman Pepper Hamilton Sanders LLP	401 9th Street, N.W., Suite 1000	Washington, DC 20004	charles.sensiba@troutman.com	(202) 274-2850	2025
Mary Gail	Sullivan	Northwestern Energy	11 East Park Street	Butte, MT 59701	marygail.sullivan@northwestern.com	(406) 497-3382	2023
Justin	Trudell	FirstLight Power	111 South Bedford St., Suite 103	Burlington, MA 01803	justin.trudell@firstlightpower.com	(781) 653-4247	2024
Eric	Van Deuren	Pacific Gas & Electric Co	1649 Canal Street	Auburn, CA 95603	Eric.VanDeuren@pge.com	(916) 208-7409	2025
Heidi	Wahto	Stantec	2353 130th Ave NE, Ste 200	Bellevue, WA 98005	heidi.wahto@stantec.com	(425) 602-3514	2026
Advisory Board							
Joel	Ledesma	SMUD	7606 River Ranch Way	Sacramento, CA 95831	jledesma1@sbcglobal.net	(916) 956-3830	
Sarah	Kulpa	HDR	440 S. Church Street	Charlotte, NC 28202	sarah.kulpa@hdrinc.com	(315) 415-8703	
Romain	Pellegrino	GE Renewable Energy	5005 Boul. Lapiniere BP 75	Brossard QC J4Z 0N5 Canada	romain.pellegrino@ge.com	(438) 342-5182	
Dan	Petcovic	CalWave Technologies	1 Sapphire Ct.	Hercules, CA 94547	dan@calwave.energy	(858) 752-2354	
Rich	Wallen	Grant County PUD	P.O. Box 878	Ephrata, WA 98823	rwallen@gcpud.org	(509) 754-6744 ext. 2515	
NHA Staff							
Malcolm	Woolf, CEO	President and CEO			mwoolf@hydro.org	(301) 767-6698	
Matthew	Allen	Director of Legislative Affairs			matthew@hydro.org	(202) 993-00660	
Marla	Barnes	VP of Membership and Industry Engagement			marla@hydro.org	(816) 588-4639	
Francesca	Hadjimichael	Director of Meetings and Events			francesca@hydro.org	(202) 740-8068	
LeRoy	Coleman	Director of Communications			Leroy@Hydro.Org	(202) 413-4605	
Kimberly	Costner	Director of Operations			kimberly@hydro.org	(202) 378-3114	
Marycella	Dumlao	Meeting Planner and Diversity, Equity and Inclusion (DEI) Lead			marycella@hydro.org	(703) 508-8011	
Jeremy	Chase-Israel	Content Development Specialist			Jeremy@hydro.org	(339) 368-2255	
Anthony	Laurita	Program Manager			anthony@hydro.org	(304) 376-9795	
Joseph	LoSasso	Sales and Membership Engagement Manager			joseph@hydro.org	(202) 697-2404	
Brittney	May	Legislative Affairs Manager			Brittney@hydro.org	(202) 897-8580	
Michael	Purdie	Director of Regulatory Affairs and Markets			michael@hydro.org	(703) 851-1257	
Kelly	Rogers	Manager, Policy and Communications			kelly@hydro.org	(202) 740-0248	
Catherine	Ryan	Program Specialist			Catherine@hydro.org	(202) 805-5057	
NHA Consultant							
Chris	Hayes	Senior Advisor of Technical Programs			Chris@hydro.org	(514) 795-8413	

2023 NHA Committee and Council List

Committee Leadership	First Name	Last Name	Organization Name	Email	Phone
Hydropower Technical Community - Chair	Thomas	Fitzgerald	Schnabel Engineering	tfitzgerald@schnabel-eng.com	(336) 314-8772
Hydropower Technical Community - Vice Chair	Phil	Cantarinha	Yuba	pcantarinha@yubawater.org	(530) 741-5000
HTC Advisory Leadership Member	Ellen	Faulkner	Ayres Associates	faulkner@ayresassociates.com	(715) 559-0779
HTC Advisory Leadership Member	Jim	Miller	Signal Hydropower Consultants, LLC	ljmiller-sec@epbf.com	(423) 521-4406
HTC Advisory Leadership Member	Raymond	Chow	Duke Energy Corporation	raymond.chow@duke-energy.com	(704) 382-6041
HTC Advisory Leadership Member	Jennifer	Erickson	Columbia Industrial Products, Inc. (CIP)	jennifer@cipcomposites.com	(541) 607-3656
HTC Advisory Leadership Member	Daniel	Langlois	GE Renewable Energy	daniel.langlois@ge.com	(450) 522-0755
HTC Advisory Leadership Member	Scott	Klabunde	HydroPartners	sklabunde@Hydropartners.onmicrosoft.com	(920) 570-2156
Hydropower Technical Community - Dam Safety Subcommittee - Chair	Seth	Green	Southern Company	sjgreen@southernco.com	(205) 257-6607
Hydropower Technical Community - Dam Safety Subcommittee - Vice Chair	Jillian	Lawrence	Patriot Hydro, LLC	jlawrence@patriohydro.com	(856) 906-0180
Hydropower Technical Community - OpEx Subcommittee - Chair	Carl	Brewster	WEST USA, Inc. Water Energy Systems & Tests	carl.brewster@west-hydro.com	(855) 937-8871
Hydropower Technical Community - OpEx Subcommittee - Vice Chair	Scott	Korab	Ballard Marine Construction	scott.korab@ballardmc.com	(206) 753-0021
O&M Chair	Scott	Romero	U.S. Army Corps of Engineers	scott.f.romero@usace.army.mil	(252) 665-3191
O&M Vice Chair	Travis	Hart	Ameren Missouri	thart4@ameren.com	(573) 365-9340
NHA Rep	Chris	Hayes			
FLOW - Chair	Camille	Ellsworth	rPlus Energies	cellsworth@rplusenergies.com	(208) 340-6544
FLOW - Vice Chair	Norbert	Woodhams	Worthington Products	norbert@tuffboom.com	(330) 316-8579
NHA Rep	Marycella	Dumlao			
Legislative Affairs - Chair	Clark	Mather	Tacoma Power	cmather@cityoftacoma.org	(253) 441-4159
Legislative Affairs - Vice Chair	Lauren	Inouye	Eagle Creek Renewable Energy	lauren.inouye@eaglecreekre.com	(240) 482-2716
Legislative Affairs - Vice Chair	Annette	Price	Pacificorp	annette.price@pacificorp.com	(971) 284-6996
NHA Rep	Matthew	Allen			
Markets - Chair	Aleksandar	Mitreski	Brookfield Renewable Energy Group (US)	aleksandar.mitreski@brookfieldrenewable.com	(413) 636-5732
Markets - Vice Chair	Chris	Fry	New York Power Authority	Christopher.Fry@nypa.gov	(914) 287-3435
Markets - Vice Chair	Jamie	Simler	Ameren	jsimler@ameren.com	(202) 783-7606
NHA Rep	Michael	Purdie			
Public Affairs - Chair	Karrie	Carnes	Bonneville Power Administration (BPA)	klcarnes@bpa.gov	(503) 230-5575
Public Affairs - Vice Chair	Leonard	Greene	FirstLight	leonard.greene@firstlightpower.com	(781) 653-4240
Public Affairs - Vice Chair	Rachel	Hansen	Chelan County PUD	rachel.hansen@chelanpud.org	(509) 661-4320
NHA Rep					
Regional Meeting Committee - Chair	Jennifer	Moore	Mesa Associates, Inc.	jmoore@mesainc.com	(865) 740-3947
Regional Meeting Committee - Vice Chair	Emily	Schwartz	Black & Veatch	SchwartzE@BV.com	(512) 351-4910
Regional Meeting Committee - Vice Chair	Ginger	Gillin	GEI Consultants	ggillin@geiconsultants.com	(406) 240-3231
NHA Rep	Marycella	Dumlao			
Regulatory Affairs Committee - Chair	Jenna	Mandell-Rice	Van Ness Feldman	jrm@vnf.com	(206) 623-9372
Regulatory Affairs Committee - Vice Chair	Nuria	Holmes	SWCA Environmental Consultants	Nuria.Holmes@SWCA.com	(503) 380-9888
Regulatory Affairs Committee - Vice Chair	David	Zayas	Idaho Power	dzayas@idahopower.com	(202) 836-1747
NHA Rep	Michael	Purdie			

2023 NHA Committee and Council List

Council Leadership	First Name	Last Name	Organization Name	Email	Phone
CEO Council - Chair	Tom	Sullivan	Gomez and Sullivan	tsullivan@gomezandsullivan.com	(603) 496-9389
CEO Council - Chair	Randy	Herrin	Duke Energy	randy.herrin@duke-energy.com	(704) 798-2089
NHA Rep	Malcolm	Woolf			
Marine Energy Council - Chair	Paul	Gay	SMI, Inc. (Strategic Marketing Innovations)	paul@strategicmi.com	(202) 683-2359
Marine Energy Council - Chair	John	Ferland	ORPC, Inc.	jferland@orpc.co	(207) 358-4990
Marine Energy Council - Chair	Samantha	Quinn	Pacific Ocean Energy Trust (POET)	s.quinn@pacificoceanenergy.org	(303) 945-9601
Marine Energy Council - Vice Chair	Dan	Petcovic	Oregon State University	dan@calwave.energy	(858) 752-2354
Marine Energy Council - Secretary	Brenda	Langley	Pacific Marine Energy Center (PMEC)	brenda.langley@oregonstate.edu	(541) 737-4390
MEC Work Groups					
Regulatory Affairs	Tim	Acker	BioSonics	tacker@biosonicsinc.com	(206) 782-2211
	Michael	Murphy	Stantec	michael.e.murphy@stantec.com	(207) 837-2724
Vision	Gabriel	Alsenas	Florida Atlantic University	galsenas@fau.edu	(561) 297-0954
	Reenst	Lesemann	Columbia Power Technologies (C-Power)	rlesemann@cpower.co	(434) 220-6127
	Jason	Busch	Pacific Ocean Energy Trust (POET)	jbusch@pacificoceanenergy.org	(503) 729-2253
Industry Priorities	Jonathan	Colby	Streamwise Development	streamwisdev@gmail.com	(404) 694-1434
	Walter	Schurtenberger	Hydrokinetic Energy Corp	ws@hydrokinetic-energy.com	(305) 296-2773
Legislative Affairs	Chris	Lee	Tidal Energy Corp	chrisdlee1@icloud.com	(504) 875-8223
	George	Bonner	Coastal Studies Institute	ggbonner@ncsu.edu	(757) 719-0702
	Kristi	Terrasa	C-Power	kterrasa@cpower.co	
NHA Rep	Kelly	Rogers			
Pumped Storage Development Council - Chair	Todd	Briggeman	Black & Veatch Corporation	briggemantj@bv.com	(913) 458-3117
Pumped Storage Development Council - Vice Chair	Kelly	Larimer	Kleinschmidt	kelly.larimer@kleinschmidtgroup.com	(509) 260-0151
Pumped Storage Development Council - Vice Chair	Preston	Pierce	Duke Energy	preston.pierce@duke-energy.com	(727) 409-0450
NHA Rep	Brittney	May			
Small Hydro Council Chair	Emily	Morris	Bowersock Mills	emily@emrgy.com	(855) 459-1818
Small Hydro Council Co Vice Chair	Jon	Petrillo	Gravity Renewables	jon@gravityrenewables.com	(203) 623-4637
Small Hydro Council Co Vice Chair	Ushakar	Jha	Rye Development	ushakar@ryedevelopment.com	(864) 320-9293
NHA Rep	Kelly	Rogers			
Waterpower Innovation Council - Chair	Miles	Hall	Natel	miles.hall@natelenergy.com	(503) 729-3012
Waterpower Innovation Council - Vice Chair	Erin	Foraker	USBR	eforaker@usbr.gov	(720) 320-2201
Waterpower Innovation Council - Vice Chair	Debbie	Mursch	GE Renewable Energy	debbie.mursch@ge.com	(414) 828-9640
NHA Rep	Chris	Hayes			