

# NHA - Advancing Hydropower for a Secure Energy Future: Priorities and Key Initiatives

Presented at Joint HUG & NHA Central/Midwest  
Regional Meeting

Westwood Conference Center

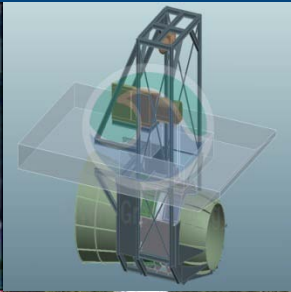
Wausau, WI

May 20, 2010

By Linda Church Ciocci

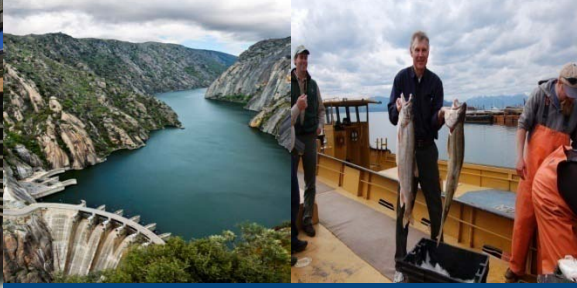
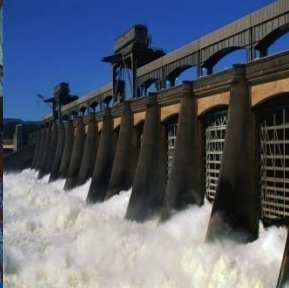
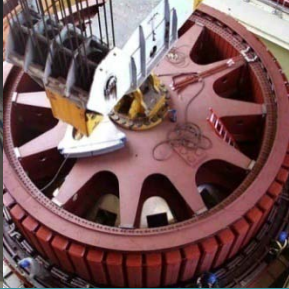
NHA Executive Director

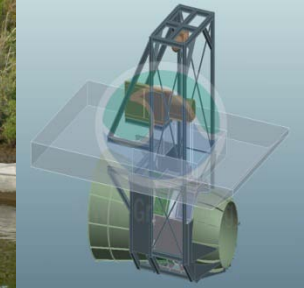




# Mission

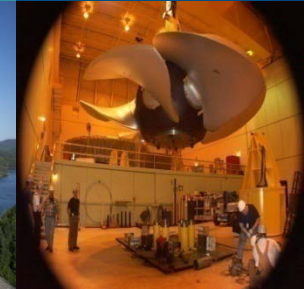
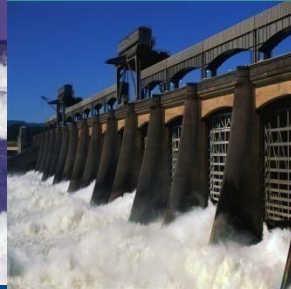
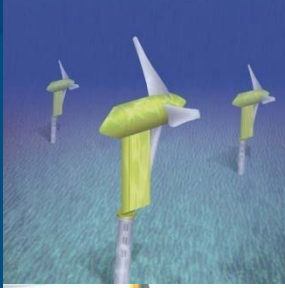
Secure hydropower's place as a climate-friendly, renewable, and reliable energy source that serves national environmental and energy policy objectives





# Members

- 170 companies
- Over 60 percent of domestic, non-federal hydro
- Conventional, pumped storage, ocean, tidal
- Utilities, generators, developers, manufacturers...





# NHA's Goal



Simple:

To Create a Robust Business  
Environment for All  
Waterpower Technologies-

Conventional and New

## NHA's Vision

96,000 MW  
now

96,000 MW+  
**more** by 2030

Hydro can double

## FERC sees it, too

Nearly  
50,000 MW  
new in FERC  
pipeline  
today



FERC's Jon  
Wellinghoff  
challenged NHA  
members to  
double capacity  
by 2030

# FERC Sees It, too

Nearly 50,000 MW of hydro before FERC  
as of March 2010

## Conventional Preliminary Permits

- 3700 MW issued
- 1100 MW pending

## Hydrokinetic Permits

- 8100 MW issued
- 3400 MW pending

## Pumped Storage Permits

- 30,000 MW issued
- 3400 MW pending

# Policy Can Spur This Growth

Newly Released Navigant Jobs Study  
(Commissioned by NHA CEO Council)

Forecasts Potential by 2025



Business as Usual

- Conventional:  
11,750 MW
- Pumped  
Storage:  
10,000 MW
- Hydrokinetics:  
1,500 MW
- TOTAL:  
23,3000 MW



Accelerate RES

- Conventional:  
21,900 MW
- Pumped  
Storage:  
24,000 MW
- Hydrokinetics:  
13,750 MW
- TOTAL:  
59,650 MW

Based on old assessments- new assessments are forthcoming

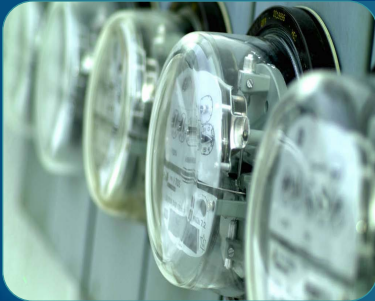


This requires...

Federal tax  
incentives,  
policy &  
R&D support

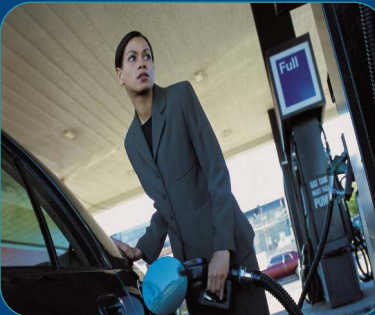


# Legislative Drivers



## Energy driving policy issues

- Security and independence
- Growing demand/climate change



## Highest priority: Economics

- Job growth through renewables
- Investment in renewables = growth



## Creates an opportunity for us

- Bipartisan renewable energy interest
- Players open to more options

# NHA: Seizing the Day

- NGO Agreement
- BCSE
- Other partnerships

Coalitions

- Joint events
- Joint outreach
- Positioning

Other Renewables

- Support Hydro Caucus
- Congressional reception
- Advocacy

Congress

NHA Members

- Coordination on the Hill
- New tools
- Info flow

# Advocacy Goals

Long-term  
tax  
incentives

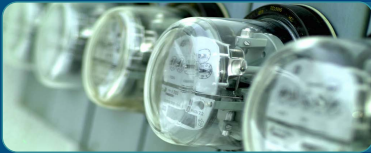
Clean energy  
incentives

R&D support

Regulatory  
improvement



# 2009: What NHA set out to do



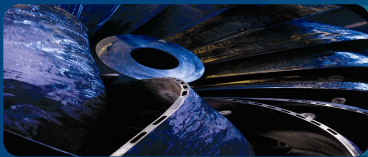
Multi-year PTC/ITC extension



CREBs extension



Hydro included in new Section 1603 grants program



More support for R&D



RES inclusion of more hydro



Climate legislation consideration

# Getting Results: Scorecard



✓ New Incentives in Place



✓ New Dollars in R&D



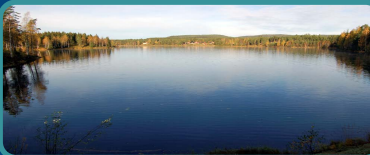
✓ New Assessments Underway



✓ Recognition in Stimulus, Energy, & Climate Bills



✓ Gaining Awareness on Storage Issue



✓ More attention to Small Hydropower

# Congress and a Full Plate: Building on Success - Status

House passed comprehensive energy and climate bill, including cap-and-trade and RES

Senate Energy Committee has passed energy bill with RES, awaiting floor vote

Congress finishing up work on tax extenders bills – little included for RE, including hydro

Appropriations work started

Senate climate legislation introduced - but political partisanship growing



# Kerry-Lieberman Climate Legislation- No Surprises



- Cap and trade- similar to House plan
- Allowance allocation similar to House plan, except for universal trust fund up to 75% for consumer relief (25% for deficit reduction)
- No SEED account, but small allocation to renewables for 6 years
- No major tax title
- Significant provisions for nuclear energy
- No Renewable Portfolio Standard
- Includes incentives for drilling, clean coal deployment and R&D
- No major shift in climate politics



# Congress and a Full Plate: Looking Ahead on Hydro Issues

PTC parity bills introduced in House & Senate

Energy storage incentive bills introduced in House & Senate

NHA seeking changes for hydro in several incentives programs

NHA request for DOE Waterpower R&D program for FY 2011 is \$100 million



# Aggressively Advancing Hydro's Interests



NHA has developed a “**hydropower title**” that would:

- Set a goal to substantially increase hydro capacity & generation
- Implement our tax policy (PTC parity, extension)
- Make improvements to Bureau & Corps permitting process
- Calls on FERC for a 2 year licensing process for low impact
- Require a DOE R&D plan to support doubling hydro generation
- Create a hydro loan guarantee program
- Establish a worker training program

# Congress and a Full Plate: What's Next

## Uncertainty

Comprehensive bill? Energy only? Nothing at all before midterm elections?

Will any energy bill contain tax incentives?

Focus currently on jobs, financial reform, & immigration



# Support for Industry through NHA Committees

- Legislative Affairs
- Regulatory Affairs
- Public Affairs
- Hydraulic Power
- Research and Development





# Support for Industry through NHA Councils

- Ocean, Tidal and New Technologies
- Small Hydro
- Pumped Storage Development
- CEO Council



# NHA Committees and Initiatives

Legislative Affairs: Clean energy incentives and appropriations

- Regulatory Affairs: Pumped storage, small hydro and new technology licensing improvements, monitoring of new interagency MOU (DOE, DOI, and Corp.)

Public Affairs: Media outreach, messaging, positioning, hiring of Glover Park Group and polling

- HPC: Annual fall retreat, surveying and benchmarking, focus on O&M and safety issues

R&D: New assessments, funding for R&D for both conventional and new technologies, more recognition for energy storage

- Small Hydro Council: Work underway to focus on growing small hydro, addressing challenges- regulatory, policy, & technology related

# What You Can Do



Write your  
representative  
and senator-  
build a  
relationship  
and get them  
to support  
hydro

Become a part  
of our  
grassroots  
efforts by  
using the  
online  
advocacy tool

Join NHA  
Committees  
and stay tuned  
to the listservs

# The Take Away

- Your role as an advocate of hydro has never been more important
- Your opportunity to influence the future never greater
- Get Involved!





# Contact Us

## Contact Information:

Linda Church Ciocchi  
Jeff Leahey

National Hydropower Association  
25 Massachusetts Ave., NW  
Suite 450  
Washington, DC  
202-682-1700  
[Linda@hydro.org](mailto:Linda@hydro.org)  
[Jeff@hydro.org](mailto:Jeff@hydro.org)

