



# REPORT OF ACTIVITIES



2015



Canadian Hydropower  
Association  
Association canadienne  
de l'hydroélectricité



## VISION AND MISSION STATEMENTS

# HYDROPOWER LEADS THE WAY TO RELIABLE, RENEWABLE, CLEAN ENERGY.

We, the Canadian hydropower industry, promote the technical, economic, social and environmental advantages of hydropower. We advocate the responsible development and use of hydropower to meet present and future electricity needs in a sustainable manner.



[canadahydro.ca](http://canadahydro.ca) | Twitter: @CanadaHydro

# MESSAGE FROM THE CHAIR OF THE BOARD

**2**015 was an eventful year for the hydropower industry. With significant projects underway across Canada, our sector is bringing ever more clean and renewable electricity to the grid.

And this is great news, not only for our industry, but for all of Canada, North America and the world. Climate change concerns are intensifying and governments at every level throughout Canada are committing to greater action. Hydropower is helping meet those commitments and is positioned to do even more to help decarbonize our economy.

The Canadian Hydropower Association (CHA) was hard at work again this year explaining the key contributions that hydropower makes while advocating for its greater development and deployment.

We released several technical studies in 2015 and leveraged our new partnerships with the Canadian Council on Renewable Electricity (CanCORE); Canadian water, wind and solar power are collaborating like never before to help chart a course toward a cleaner North American energy system. In fact, our CanCORE report on climate prosperity *Powering Climate Prosperity: Canada's Renewable Electricity Advantage* was well received and triggered renewed interest in a national discussion on renewable energy.

When the new federal Liberal majority government was elected in October 2015 it committed to reviewing key federal acts such as the *Canadian Environmental Assessment Act* and the *Fisheries Act*.

Ongoing proactive engagement with the relevant Ministries that administer these Acts will be paramount. Helping the new government reach its ambitious climate change objectives will also be central to our work.

The CHA will continue to be actively engaged federally on all the important files affecting our industry. Support from our members and Working Groups remains critical to pursuing and reaching our objectives.

As the CHA Board Chair, I would like to thank you for another successful and productive year. We are entering a new chapter; let's make it count.



Edie Thome  
CHA Board Chair  
Director of Environment, Aboriginal Relations and  
Public Affairs for the Site C Clean Energy Project, BC Hydro



# MESSAGE FROM THE PRESIDENT

Canada elected a new federal majority government on October 19, 2015 and the Canadian Hydropower Association was ready. Having steadfastly communicated the benefits of hydropower and our support for a price on carbon since the association's inception, we pledged our assistance to help Canada meet its aggressive new climate change objectives.

The CHA Board, our Working Groups and our members helped us adjust our strategic action plan to better align with the new government's mandate. We're eager to meet the challenges and opportunities that will present themselves next year and beyond.

We have passed some important milestones throughout 2015 on our way to promoting the responsible development and use of our electricity. Canadian hydropower was positively recognized under President Obama's Clean Power Plan, potentially making clean and renewable exports to the United States less complicated. At the same time, our partnership with wind, solar and ocean power through the Canadian Council on Renewable Electricity afforded us enhanced communication and outreach opportunities both in Canada and the United States.


Together, these developments have helped us better achieve one of our association's primary objectives: the greater recognition that all hydropower is clean and renewable.

Across Canada, the acceptance of man-made global warming and our duty to fight it has never been higher. All levels of government are committing to robust action plans and more ambitious greenhouse gas reduction targets are being set across the country.

A very powerful tool Canada has to combat carbon emissions is its hydropower capacity and potential. We are cleaning the electricity systems in both Canada and the United States and recognition for this is on the rise. Our job over the coming years will be to make good on this understanding, realize our potential and make the difference that only we can. Our industry and your association are excited to do this.

The CHA will need to be vigilant in attending to its core work. Our focus on federal regulatory issues over the next year will likely take centre stage once again. The new federal government has committed to formally reviewing the *Canadian Environmental Assessment Act*, *Fisheries Act* and *Navigation Protection Act*. Throughout these processes, our Working Groups and staff will do our utmost to ensure that the elements of the Acts we support are preserved and that potential improvements are realized. We're encouraged by our past achievements in this area and will look for similar positive results.

The Canadian hydropower industry has reason for an optimistic federal outlook, based on its diligence and past performance. As always, we need to do more of what is already working. Easily said, hard won, but with your continued assistance, the Canadian Hydropower Association is excited to realize our promise.



Jacob Irving, President,  
Canadian Hydropower Association





## REGULATORY UPDATE

With a focus on the *Canadian Environmental Assessment Act*, the *Fisheries Act*, the *Species at Risk Act* and the *Navigation Protection Act*, our regulatory activities in 2015 aimed at ensuring a comprehensive understanding of the legislative amendments made in 2012, especially regarding the most recent implementation rules and policies released under some of these acts.

With the assistance and guidance of some of our Working Groups, we continued to engage proactively with the federal government to provide advice on aspects of these legislations that we feel could further be improved, or clarified.

The end of 2015 brought many changes to the Ottawa political landscape. In fact, with the October 2015 election of a majority Liberal government, several regulatory files have been or will be re-opened, as promised during the election campaign and as laid out in the ministerial mandate letters.

## 2015 CHA FORUM

Our 2015 Forum, *Hydropower: Learning Lessons, Building the Future*, brought together many industry leaders and government representatives. With over 150 attendees, the Forum offered a unique opportunity to discuss topics such as expansion, refurbishment and greenfield projects. Environmental improvements, research, labour demand, communications, regulatory issues and Indigenous participation were also examined. Offering great networking opportunities, CHA's Hydropower Forum remains the industry's signature national event.



# HYDROPOWER ADVOCACY & NEW PARTNERSHIPS

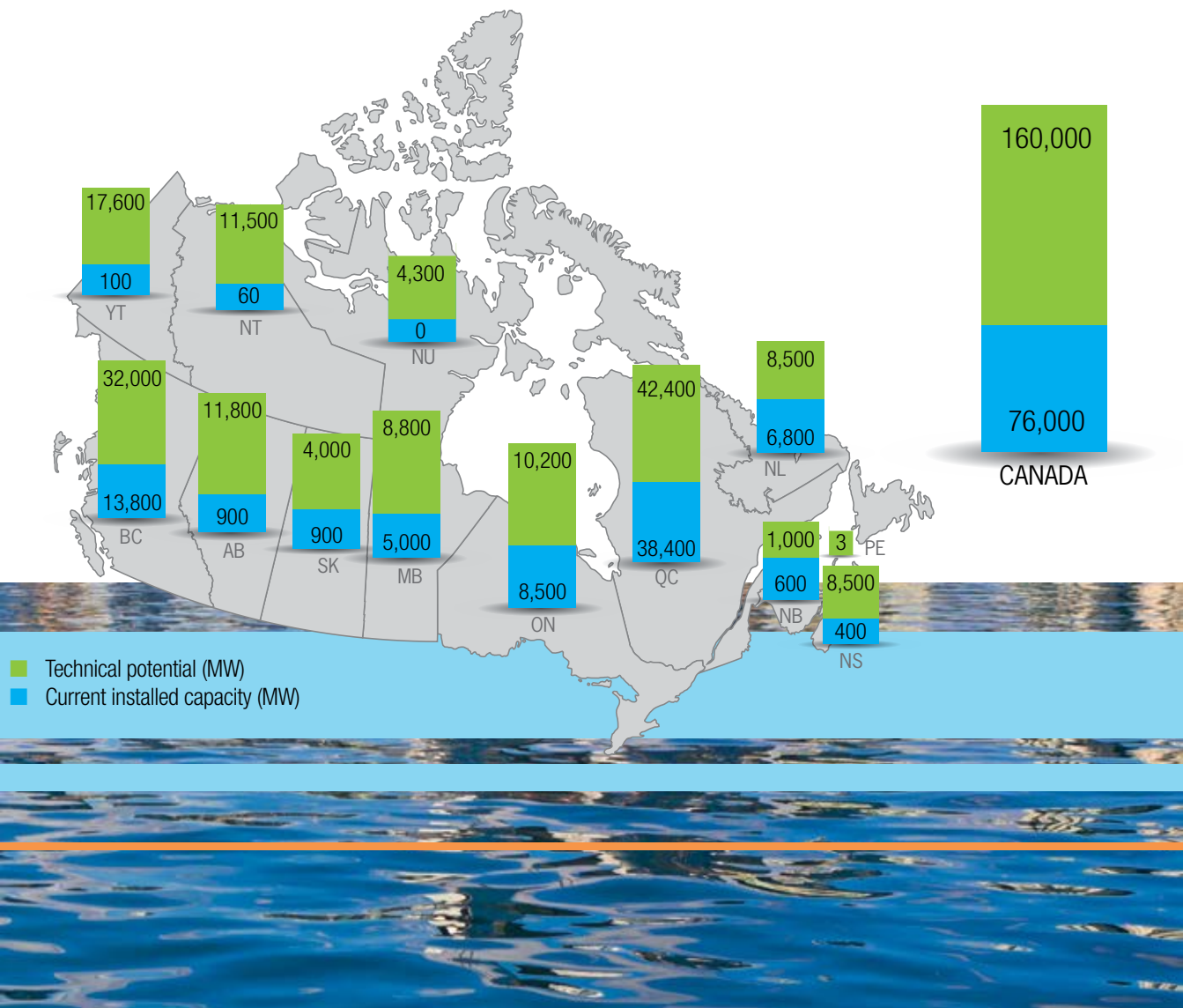
## ADVOCACY

This year, the CHA represented the hydropower industry at several events where we shared our positive messages and continued to develop key relationships. As examples, the CHA was invited to participate at Canada's Roundtable on Green Economy in Quebec City, the Biennial of the Americas in Denver, the Conference Board of Canada Energy Conference in Ottawa, and many more.

The CHA continues to advocate for and demonstrate the many benefits associated with exporting clean and renewable Canadian

hydropower to the U.S. We continue to have strong relationships with the National Hydropower Association and the International Hydropower Association. In 2015, the recognition of all hydro as a clean and renewable electricity source to help meet State greenhouse gas (GHG) emissions reduction targets in the U.S. under the Clean Power Plan and in the Quadrennial Energy Review report was an important and exciting development for our industry. While we will need to closely monitor developments related to the Clean Power Plan, it is clear that Canada's hydropower reputation in the United States has been enhanced.

## CANADIAN HYDRO CAPACITY & POTENTIAL (MW)





## NEW INITIATIVES

2015 also marked the implementation of two innovative and interesting initiatives which have raised the profile of Canadian hydropower nationally and internationally. This has helped open new doors and allowed us to explore ways to communicate our messages to key stakeholders.



CANADIAN COUNCIL ON  
RENEWABLE ELECTRICITY  
CONSEIL CANADIEN SUR  
L'ÉLECTRICITÉ RENOUVELABLE



THE ROYAL  
CANADIAN  
GEOGRAPHICAL  
SOCIETY

LA SOCIÉTÉ  
GÉOGRAPHIQUE  
ROYALE DU  
CANADA

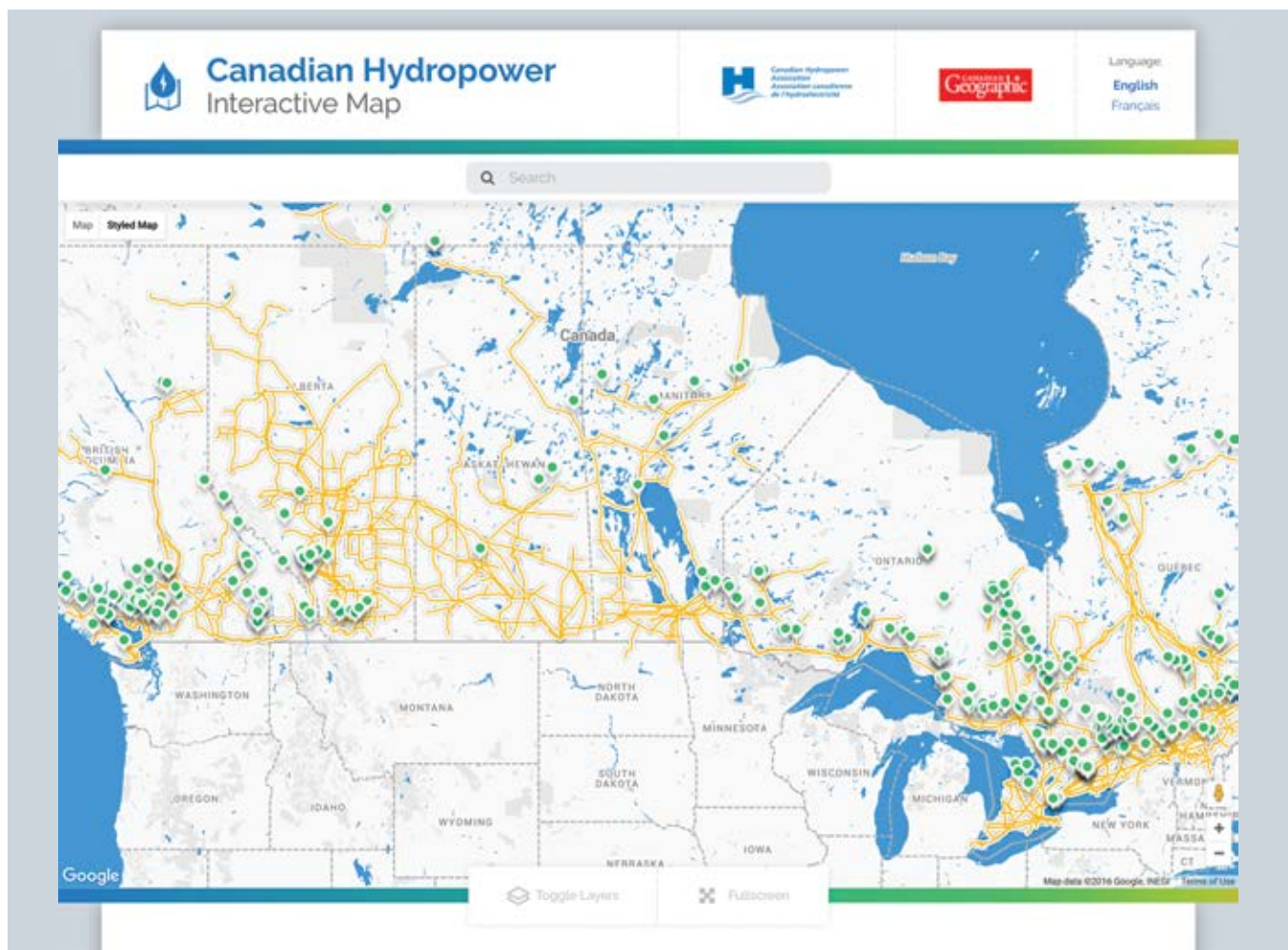
### CANADIAN COUNCIL ON RENEWABLE ELECTRICITY (CANCORE)

Founded in 2015, CanCORE is a group of four industry associations whose goal is to educate and engage Canadians about the opportunity to expand the production and use of renewable electricity across the country. Through this initiative, the Council will build public support for increased development of our abundant renewable electricity resources to further decarbonize North America's energy system.

The Canadian Hydropower Association is one of the founding partners, alongside the Canadian Solar Industries Association, the Canadian Wind Energy Association, and Marine Renewables Canada. Clean Energy Canada, a program of Simon Fraser University's Centre for Dialogue, provides Secretariat support to the Council.

### THE ROYAL CANADIAN GEOGRAPHICAL SOCIETY

In 2015, the CHA engaged in a unique partnership with the Royal Canadian Geographical Society. By communicating the many environmental, social and economic benefits of hydropower together, we can ensure thousands of Canadians learn more about our industry.



# WORKING GROUPS, PROVIDING SUPPORT FOR THE HYDROPOWER INDUSTRY IN CANADA

## INDIGENOUS RELATIONS WORKING GROUP

We released our document *Paths Forward, Hydropower and Aboriginal Relations Across Canada* at our 2015 Forum. This is a compendium of success stories showcasing the range of initiatives and partnerships that are underway with Indigenous communities across Canada related to hydropower. *Paths Forward* was well received and continues to generate tremendous interest from our various stakeholders.

## CLEAN ENERGY POLICY WORKING GROUP

2015 was an important and busy year for our Clean Energy Policy Working Group. We successfully submitted comments to the US Environmental Protection Agency which resulted in the recognition of all Canadian hydropower as an acceptable source of electricity to help US states meet their greenhouse gas emissions reductions targets the proposed *Clean Power Plan*. The working group made similar submissions to the US Department of Energy in 2014, which resulted in 2015 in the same positive recognition under their influential Quadrennial Energy Review. Other key files managed by the Working Group included the Center for Climate and Energy Solutions (C2ES) Study, the review of the Deep Decarbonization Pathways Project report, and Natural Resources Canada's consultations on the GHGenius model.

## FISHERIES ACT WORKING GROUP

The *Fisheries Act* remains a key legislation for our industry. In 2015, we continued to monitor the impacts of the 2012 changes and worked with government agencies and officials to ensure those changes are

workable for the hydropower sector. The Working Group also worked on developing a national framework for establishing hydropower industry Best Management Practices that are consistent nationally and applicable locally. Recently, the Working Group has been preparing extensively for another potential review of the *Fisheries Act* by the new federal government.

## PUBLIC AFFAIRS WORKING GROUP

2015 saw the continuation of many of our public affairs efforts launched in 2014. With a new Communication Plan and Social Media Strategy, our activities have been focused on ensuring Canadians are aware of the great role hydropower plays at regional, national and continental levels. We designed a new, more intuitive and content-focused website, developed a web animation and a series of infographics, all available for viewing and sharing at [www.canadahydro.ca](http://www.canadahydro.ca)

## REGULATORY PROCESSES WORKING GROUP

The Regulatory Processes Working Group continued to monitor the decisions made under the *Canadian Environmental Assessment Act* 2012. The Working Group examined the mechanism for amendments of decision statements under the Act chosen by the Agency to determine if it provides sufficient regulatory certainty. Work on the *Navigation Protection Act* was also completed and key meetings took place with senior officials and government representatives. Similar to the Fisheries Act Working Group, the Regulatory Process Working has been preparing for the review of the *Canadian Environmental Assessment Act*.

## SPECIES AT RISK ACT (SARA) WORKING GROUP

This year, the CHA continued to advocate for avenues to ensure the *Species at Risk Act* (SARA) is workable for our industry and to gain clarity on some sections and provisions under the Act. Discussion and position papers were developed and elaborated in collaboration with the Canadian Electricity Association.

## COMMERCIAL ACTIVITIES WORKING GROUP

Our Commercial Activities Working Group was formally re-formed in 2015. Its revised mandate is to develop and maintain an understanding of the economic and financial considerations affecting hydropower in Canada. It will also help promote the industry's full value proposition in support of the CHA's advocacy efforts.





# CHA BOARD OF DIRECTORS

## CHAIR

### **Edie Thome**

Director of Environment, Aboriginal Relations and Public Affairs for the Site C Clean Energy Project, BC Hydro

## VICE CHAIRS

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Director – Communications and Public Affairs  
Hydro-Quebec

### **Benoît Pepin**

Director, Energy – North America  
Rio Tinto Alcan

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Vice-President Marketing – Hydro North America  
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Aboriginal Relations Division  
Manitoba Hydro

### **Doyle Sam**

Vice President, Engineering & Generation  
Fortis BC – Electricity



# CHA WORKING GROUPS

## ABORIGINAL RELATIONS WORKING GROUP

### Chair:

Mathieu Boucher, Hydro-Québec

### Members:

Audrey Repin, Columbia Power Corporation  
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Elissa Neville, Manitoba Hydro  
Maria Moran, Nalcor  
Mike Martelli, OPG  
Vanessa Pilotte, Brookfield Renewable  
Energy Partners  
Allan Leonard, BC Hydro

## CLEAN ENERGY POLICY WORKING GROUP

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### Members:

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Nathalie Noel, Hydro Québec  
Christine Cantin, Hydro Québec  
Tammy Oze, Manitoba Hydro  
Ann James, Nalcor  
Joanna Harris, Nalcor  
Benoit Pépin, Rio Tinto Alcan  
Andrea Brown, OPG  
Tammy Wong, OPG  
Scott Gray, Columbia Power Corporation

## FISHERIES ACT WORKING GROUP

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Chris Revell, BC Hydro  
Gary Swanson, Manitoba Hydro  
Jason Dalton, Newfoundland Power  
Jean-Christophe Guay, Hydro Québec  
John Curran, Newfoundland Power  
Krista Watts, Columbia Power Corporation  
Nathalie Noel, Hydro Québec  
Gilles Bérubé, Hydro Québec  
Ron Threader, Kleinschmidt Group

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### Members:

Audrey Repin, Columbia Power Corporation  
Scott Powell, Manitoba Hydro  
Christine Cantin, Hydro Quebec  
Jennifer Thompson, BC Hydro  
Vanessa Pilotte, Brookfield Renewable  
Energy Partners  
Karen O'Neil, Nalcor

## REGULATORY PROCESSES WORKING GROUP

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Nicholas Barnes, Manitoba Hydro  
Bonny Campbell, BC Hydro  
Wendy Horan, Columbia Power Corporation  
Nathalie Noel, Hydro Québec  
Christine Cantin, Hydro Québec  
Brent Sellars, Nalcor Energy  
Susan Rapin, OPG  
Marion Organ, Lower Churchill

## SPECIES AT RISK ACT WORKING GROUP

### Chair:

Mark Reed, Manitoba Hydro

### Members:

Shelley Matkowski, Manitoba Hydro  
Susan Rapin, OPG  
Daniel Gibson, OPG  
Chris Revell, BC Hydro  
Annie Tremblay, Hydro Quebec

