

CSAS Peer Review Anticipated

By Darren Porter

A big win for those who work tirelessly to bring issues to the public eye that would otherwise go unnoticed. Constantly, concerned educated citizens are up against the giants whether that be big industry such as NSPI and their powerful grip on our government, or their ease to media access, or it be our own government itself we rely on to protect us and the environment.

In the Fall of 2017 The Chronicle Herald published the first of a series of stories presented to them.

<http://thechronicleherald.ca/novascotia/1519154-nsp-accused-of-violating-fisheries-act-with-33-year-old-turbine>

"Darren Porter, an area weir fisherman and spokesman for the Fundy United Federation, said Fisheries and Oceans has known for a long time that the facility kills fish. Nova Scotia Power says it doesn't need federal approval because the 20-megawatt turbine in the causeway crossing the Annapolis River doesn't kill any fish."

In a written statement to The Chronicle Herald on Thursday, Fisheries and Oceans stated that it "does not have any official reports of fish mortalities" caused by the station."

And then The Chronicle Herald broke a story that in fact NSPI and DFO did know of mortalities.

<http://thechronicleherald.ca/novascotia/1520624-dfo-nsp-knew-that-annapolis-tidal-turbine-killed-fish>

The good news is that this embarrassing situation potentially has created a positive situation.

The Canadian Science Advisory Secretariat (CSAS) is anticipated to undertake a regional peer review on the Annapolis tidal station this coming spring. This review is as high level as we can get from DFO, who will bring in scientists from external and internal sources as well as traditional knowledge from the Mi'kmaq to do a full peer review of all existing studies and knowledge gathered to date on the effects of the Annapolis tidal plant. <http://www.dfo-mpo.gc.ca/csas-sccs/index-eng.htm>

The benefit of a peer review can help independently identify flaws, gaps, ecological damage, and the extent of the serious harm caused by the tidal generating plant. While this does not guarantee evidence-based decisions made by government it does give the DFO Minister a way out.

The minister and the Federal government also save face with big industry players such as Emera, the parent company of NSPI, as it's clearly out of their hands. The risk of a complete loss of any scrap of social licence left is very real.

Public mistrust of their government was deeply fortified with this obviously deceptive misleading situation, brought forward on the Herald's front page twice and in their opinion pieces.

<http://thechronicleherald.ca/novascotia/1519154-nsp-accused-of-violating-fisheries-act-with-33-year-old-turbine>

<http://thechronicleherald.ca/novascotia/1520624-dfo-nsp-knew-that-annapolis-tidal-turbine-killed-fish>

<http://thechronicleherald.ca/novascotia/1521652-dfo-reviewing-reports-of-annapolis-turbine-fish-kills>

<http://thechronicleherald.ca/opinion/1521621-surette-bad-chowder-tidal-power-megaproject-mania-dead-fish>

NSPI is anticipated to start a cost-benefit study on the Annapolis tidal station. It's anticipated that the results of the CSAS finished report will mean if the minister decides to authorize this facility, the cost and amount of mitigation measures, and off sets required will far out way the worth of generating so little electricity.

Let's not forget the fines they potentially face. Penalties for violating section 35 of the Fisheries Act range from fines of \$15,000 to \$1 million for a first offence.

The Annapolis tidal plant set the precedent as to how NSPI, as well as our provincial and federal governments, have dealt with the effects of tidal power in provincial and Canadian waters for the past 34 years.

Now they have a chance to set a new precedent.

Let's hope they change the tides before they destroy any future developments and or cause more serious harm by restarting their turbine at the Annapolis plant as NSPI plans to do, within days.

They still have no authorization and no new mitigation measures implemented to prevent further serious harm to marine life and the ecosystem, we will soon see if NSPI starts taking their statement of environmental responsibilities "very seriously" or whether they still find them onerous.

<https://www.nspower.ca/en/home/about-us/environmental-commitment/default.aspx>
<http://www.avondalemedia.ca/2017/11/15/ns-p-says-reporting-fish-mortality-onerous/>

The good news is, this is soon over, and if handled properly all will save face, and the ecosystem and marine life can be restored to the best of our abilities on the Annapolis river.

The locals from Annapolis, the fishermen, First Nations and now apparently DFO has done their part, the rest is completely in NSPI hands.

At least the outcome of the Annapolis tidal plant scandal can't be blamed on a rubber ducky race as is the case further up the bay.

"Rubber ducky race waters blamed for fish deaths in Valley river".
<https://www.google.ca/amp/www.cbc.ca/amp/1.4137796>

Darren Porter, a weir fisherman in Bramber, Nova Scotia, is spokesmen for the Fundy United Federation.

In-Stream River Power Turbines for Atlantic Canada?

By Maurice Rees

Electricity generation with an in-stream river or tidal turbine will be coming to Atlantic Canada when Jupiter Hydro builds its 2EB7.5X34 unit capable of generating 300kW when the rate of flow is 4 m/s (about 8 knots). The unit has two Archimedes' screws 7.5' diameter and 34' long and can be anchored so it can and will generate electricity regardless if water is flowing into the point of the "V" or through the opening of the "V".

At this point it is not clear, when construction and testing of the 2EB7.5X34 unit is completed, if Jupiter will deploy that model into, or near the FORCE site, or if the larger 4EB1672 (four 16 foot diameter by 72 foot screws) capable of generating 2.5 MW of power will be deployed in the Minas Channel in a newly created 5 MW site which Jupiter Hydro is hoping to be awarded by the Nova Scotia Department of Energy. This site will come with a 15 year Power Purchase Agreement which will more than pay for the deployed technology.

Deployment of smaller less expensive turbines became possible in October 2017 when the province amended the Marine Renewable-energy Act to make it easier to assess innovative, lower-cost tidal energy technologies and help developers bring them to market faster. The amendments will allow demonstration permits of up to five megawatts and allow companies to sell the electricity they generate at a lower price than existing tidal feed-in-tariffs.

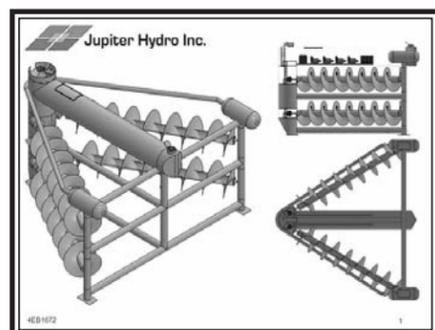
Ross Sinclair, founder and CEO of Alberta-based Jupiter Hydro has developed the patented technology and is very proud it has the opportunity to become a Canadian success story of tidal or river electricity generation in

the global market place. He sees many in-stream river opportunities for smaller units and could be a successful alternative to flying diesel to remote sites for use in diesel generators.

The larger four screw models would be used for larger tidal power generation initiatives.

His company recently announced Hatch Engineering, a large global engineering company with head offices in Toronto has become an investor. Sinclair say all components are "off the shelf" and can be easily fabricated in a marine welding manufacturing facility, meaning the units would be built in the province.

Sinclair and Hatch Engineering are banking on immediate acceptance because the Jupiter technology is patented by a Canadian; has been completely developed and tested in Canada and now will be engineered by Hatch in Canada and manufactured entirely in Nova Scotia at any number of marine welding manufacturing facilities. Sinclair noted all 5 births at the FORCE Site in the Bay of Fundy are occupied by European technologies.



Letters to the editor

This is an open forum for your opinions and comments.
MAIL TO: The South Cumberland News, P.O. Box 41, Bass River, NS, B0M 1B0
(902) 647-2968; Fax: 902-647-2194 Email: maurice@thesborelinejournal.com

(The following letter was sent to the Shoreline Journal and South Cumberland News on December 19th, one day after the January issue was printed. Even though it's about a month old, we felt its contents are important to residents in the Bay of Fundy, particularly the Parrsboro area. At the demonstration site, Mary McPhee was the public's link to tidal power).

Dear Editor:

Force's loss of Mary McPhee

The loss of Mary McPhee is the story of the importance of an individual, a woman and a respected community member. A story of bullies, and how FORCING your way to success may not always work. A story of people recognizing an individual's worth and importance perhaps differently once they are lost.

It's a story of an old boys club still trying to be an old boys club in a world that's changed, a world that is stripping the Elite NS male classes on a daily basis in the name of human rights.

This is a story that will surprisingly rock the NS tidal power world, as all within it knows the importance of Mary McPhee, even if they won't admit it. She was the only peoples' connection to FORCE, the only community connection, the only local full time employee. Now where is Parrsboro's benefits Tony, Andrew and Matt?

Mary McPhee was the only positive face of FORCE, all the tourists know her, all the people that gained any form of positive experience from FORCE did so directly because of Mary McPhee. Mary McPhee was the only credible voice FORCE had to the local community.

What happens now FORCE? Are you city boys in suits going to go to rural Parrsboro? Can you imagine leaving your glass towers to do so? It's been so below those chosen to run FORCE to mingle with us rural underlings.

The end of FORCE will be because they lost Mary McPhee. Even Mary, the lady that believed in tidal power could no longer have FORCE

forced on her and her community any more.

If the Feds and Province want to save their dream of an industrial Bay of Fundy, they better clean house at FORCE before any more of the voting public discovers FORCE's misleading, dishonest public relations. This could easily end leaving you all answering as to why you wasted so many tax payer dollars on this scheme.

People matter and so does Mary McPhee.

I'm known as the most vocal opposition to FORCE in the province, as I've studied FORCE. I never thought I'd see the day that Mary McPhee would go, as she loves tidal power so. I rarely had dealings with Mary McPhee, likely because I've always concentrated on the misleading ones at FORCE as there is no shortage of those. Mary stood alone, tall with character. This was seen by all that are in the know.

I didn't write this for Mary McPhee, In fact she likely may not be pleased I've elevated her here, after she's been suppressed for so long, but Parrsboro needs more Mary McPhees, as do we all.

Stephen McNeil: this can no longer be forced down our throats by these bullies. You must clean house to save it. Perhaps since you don't want to listen to me, take the time to ask Mary McPhee.

The fishermen.
Darren Porter
902-798-7693



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<http://fundygeological.novascotia.ca>

Parrsboro Band Association

Membership Form 2018

Name _____

Other Family Member(s) _____

P.O. Box & Address _____

City/Town _____ Postal Code _____

Telephone Number (Home) _____ Cell _____

Email address _____

Please note that by providing your email address, you are asking to receive e-mails for updates and events at The Hall.

Annual Membership: \$15.00 Individual OR \$25.00 Family

Would you like to support the activities taking place during the year at The Hall with a donation:

\$10 \$20 \$50 other _____

Although we occasionally fund-raise for specific projects, donations and membership fees go into the general fund. All donations over \$20 will be recognized with a charitable receipt.

Interested in getting involved in the great activities taking place at The Hall? What excites you?

Plant, Yard & Book Sale Christmas Concert Band Day Open Mic Film Society

Film Festival Bar/Canteen Spring Concert Oktoberfest Concert Series Maintenance

Bernie Burke Memorial Golf Tournament Technical Support(lights & sound for events) Other

Benefits of Membership

Welcome! As a member of the Parrsboro Band Association, you are entitled to the following:

- Voting rights at the Annual General Meeting
- Annual Newsletter
- Exclusive advance notice of special events and concerts by email
- An opportunity to participate in all music programs sponsored by The Hall
- Exclusive invitation to a bi-annual members appreciation wine and cheese event at The Hall

How can I pay

- Credit Card - visit www.thehall.ca, go to the membership page and follow the link
- Cheque - send to Parrsboro Band Association - PO Box 712, Parrsboro, NS B0M 1S0
- In person - payment of membership will be accepted at any event at The Hall