

From: john lewicke [<mailto:lewicke@yahoo.com>]

Sent: Monday, July 24, 2017 5:19 PM

To: Monroe, Pamela

Subject: No brainer

Dear Ms. Monroe,

It has come to my attention that Quebec Hydro is failing to do a few simple things that would create far less damage to the rivers they are damming. The way they operate their plants is contrary to US policy or law, and could easily be done smarter with minor if no impact on energy output.

I'm told they vary the output flow of their dams by large factors over short periods of time. This results in erosion, and damage to wildlife and fish stock.

If in any permit for Northern Pass, it is mandated that the flow downstream from their dams vary no more than 5% from the average upstream flow over the prior 24 hours, the problems would be cured. This can easily be done by changing the plumbing in relatively minor ways. Using some sort of pumped storage would allow them to use all of the flow of the river, but would allow them to maintain an average output flow. Pumping could be done "off peak", using energy that otherwise would be wasted.

Monitoring and reporting could be done by a third party with a vested interest in compliance. Perhaps the natives whose land was taken, and who have a strong interest in the river being conservatively maintained would be good candidates. The information could be posted daily on a website accessible to the public, and to the power companies.

I'm told that US companies are required to follow policies like this.

This is not an endorsement of Northern Pass, but rather a request to minimize one aspect of the damage it will create.

Sincerely,

Honorable John Lewicke (representing Brookline and Mason, NH)