

Requestor name; Vanport Sterilizers Inc

Information Request Round No. 1 to BC Hydro

Project- F12/F14 Amended RRA; BCUC Order No. G-40-11

Date; December 23, 2011

Reference; Status of Past Directives: Review of Pumped Storage Hydro at JOR.

- 1.1 – Given that new saltwater-fueled pumped storage hydro upgrades at JOR have recently been identified which appear to contradict all the assumptions /conclusions of all the reports in Appendix F of the 08 LTAP, and, given that the Amended RRA gives no consideration to expenses to be incurred for developing such resources, then, please provide the rationale for excluding expenditures for a feasibility study to develop these resources, including funding an updated review of all Vanport’s proposals.

Reference; Demand Side Management

- 2.1 - Given that the projected expenditures for DSM over the test period could otherwise be more profitably spent on supply side efficiency gains, including pumped storage upgrades at JOR, does BC Hydro agree that this ‘switch’ could, potentially, create jobs and investment opportunities far in excess of projected results from planned expenditures/investments in DSM?
- 2.2 - Given that BC Hydro’s management of DSM seems to indicate nothing but the inevitability of increasing rates to pay for it, please discuss the possibility of obviating DSM expenditures by increasing the role of private energy service companies
- 2.3 - Does DSM increase or decrease the need for energy storage at the distribution level?
- 2.4 - Would BC Hydro consider merchant energy storage competition with DSM to be wasteful?
- 2.5 - Given that Ontario has now recognized that it has a ‘big problem’ with coordinating and integrating both transmission and base load generation to support wind turbine, solar and other intermittent renewable generation sources, does BC Hydro agree with their current effort ‘to find a framework for enabling greater use of energy storage devices’ as a likely better solution than DSM?
- 2.6 - Please provide an analysis of how investing in DSM can be squared with the reality of the ‘Jevon’s Paradox’