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Sent: Friday, March 28, 2008 8:49 AM  
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Subject: RETI - Initiative Phase 1A Draft Report - Comments regarding  
British Columbia resources

Dariush,

I am writing regarding the Phase 1A Draft Report, prepared by Black & Veatch. Sea Breeze Power Corp. is a Vancouver, Canada-based renewable energy developer, with the goal of tapping into British Columbia's undeveloped renewable resources for distribution throughout the Pacific Northwest and California.

I wanted to comment on the references used in compiling the information in the Draft Report, specifically the reference pertaining to British Columbia's wind potential. There have been two studies completed by Garrad Hassan for BC Hydro since the Helimax Energy Inc. study of 2002. The 2007 Garrad Hassan study entitled: "Assessment of the Energy Potential and Estimated Costs of Wind Energy in British Columbia" estimated that 54 GW of theoretical wind potential exists in British Columbia. Garrad Hassan makes the assumption that 10% of the theoretical wind energy potential is achievable due to available electrical transmission, environmental planning constraints, and the expected power demand, therefore the total estimated developable wind potential in BC is on the order of 5400 MW, which is larger than the 4790 MW figure from Helimax. I have ~~attached~~ [included the following link to the PDF of, [http://www.bchydro.com/rx\\_files/info/info55364.pdf](http://www.bchydro.com/rx_files/info/info55364.pdf),] the 2007 Garrad Hassan study for your reference.

With respect to wave energy potential in BC, the 2006 study conducted by the Canadian Hydraulics Centre entitled: "Inventory of Canada's Marine Renewable Energy Resources", states that the: "annual mean wave power along the 1,000 m isobath off Canada's Pacific coast totals roughly 37,000 MW"(p. i). The report can be accessed through the Ocean Renewable Energy Group's website: <http://www.oreg.ca/docs/Atlas/CHC-TR-041.pdf>

Also, should you require further information about BC's tidal and ocean energy resources, I suggest reviewing the following studies:

Triton Consultants Ltd. 2006. Canada Ocean Energy Atlas (Phase 1): Potential Tidal Current Energy Resources. Analysis Background. Available at: <http://www.oreg.ca/docs/Atlas/TritonCanadaTidalPowerMay2006.pdf>

Triton Consultants Ltd. 2002. Green Energy Study for British Columbia Phase 2: Mainland - Tidal Current Energy. Available at: <http://www.oreg.ca/docs/Tidal%202002.pdf>

Please feel free to contact me if you have any questions.

Regards,  
Monique

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