

NON-CONFIDENTIAL

1 **Request IR-8:**

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3 **Reference: SWEB IR-07(c)(ii)**

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5 **When considering the Wind Generation shapes used in the Plexus model, it has been noted**
6 **that a capacity factor of 33% is used. SWEB requests that this model be run with a**
7 **Capacity Factor for Wind Energy of 40% to 45% to better represent recent and future**
8 **wind generation fleets in Nova Scotia.**

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10 Response IR-8:

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12 The requested analysis was not performed as a part of this filing. Wind generation capacity
13 factors used in Plexos simulations are based on average observed wind fleet production.

14

15 The increased wind capacity factors proposed would have a minimal impact on the overall
16 avoided costs results as the annual energy increase provided by the RtR generator is a very small
17 percentage of the total system energy.

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1 **Request IR-9:**

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3 **SWEB requests that Nova Scotia Power Inc. provide the hourly load data for all**
4 **Residential Customer classes from January 2010 to present. This would be expected to be**
5 **provided in a similar format, and under similar provisions under OASIS than the**
6 **currently-provided “Hourly Total Net Nova Scotia Load”’s data sets currently available at**
7 **the below URL:**

8 [http://oasis.nspower.ca/en/home/oasis/monthly-reports/hourly-total-net-nova-scotia-](http://oasis.nspower.ca/en/home/oasis/monthly-reports/hourly-total-net-nova-scotia-load.aspx)
9 [load.aspx](http://oasis.nspower.ca/en/home/oasis/monthly-reports/hourly-total-net-nova-scotia-load.aspx)

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11 **Response IR-9:**

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13 Please refer to **Attachment 1**, provided electronically only, for the residential customer class
14 hourly data from January 2010 to December 2014. Please note that 2011 is absent from this
15 dataset due to a system failure which impacted the data collection for half the residential
16 customers in the sample. Data from January 2015 to present are unavailable as Nova Scotia
17 Power processes the raw individual customer data and creates class hourly profiles on an annual
18 basis.

SWEB IR-9 Attachment 1 has been provided electronically only.