

Public Service Company of New Hampshire
Docket No. DE 10-195

Record Request HD-02
Dated: 01/26/2011
Q-RR-005
Page 1 of 2

Witness: Richard C. Labrecque, Gary A. Long, Terrance J. Large
Request from: New Hampshire Public Utilities Commission Staff

Question:

(Exhibit PSNH-15): Please provide the assumed rate impact for 2015, using a range of assumptions for market prices, wood prices and REC prices.

Response:

See the attached.

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DE 10-195

Exhibit No. #15 PSNH

Witness. Panel 1

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	Case 1 Low Market	Case 1a Low Market	Case 1b Low Market	Case 2 High Market	Case 2a High Market	Case 2b High Market
Facility Size (MW)	67.5	67.5	67.5	67.5	67.5	67.5
Capacity Factor (%)	87.5%	87.5%	87.5%	87.5%	87.5%	87.5%
Annual MWH	517,388	517,388	517,388	517,388	517,388	517,388
<u>PPA Product Pricing Terms</u>						
Wood Price (\$/ton)	\$27.00	\$30.00	\$27.00	\$27.00	\$30.00	\$27.00
PPA Energy Price (\$/MWH)	\$70.40	\$75.80	\$70.40	\$70.40	\$75.80	\$70.40
PPA REC Price (% of ACP)	80%	80%	80%	80%	80%	80%
2010 ACP (\$/REC)	\$60.93	\$60.93	\$60.93	\$60.93	\$60.93	\$60.93
Assumed CPI 2010 - 2015 (%)	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%
2015 ACP (\$/REC)	\$68.94	\$68.94	\$68.94	\$68.94	\$68.94	\$68.94
PPA REC Price (\$/REC)	\$55.15	\$55.15	\$55.15	\$55.15	\$55.15	\$55.15
PPA Capacity Price (\$/kw-mo)	\$4.25	\$4.25	\$4.25	\$4.25	\$4.25	\$4.25
PPA Capacity Price (\$/MWH)	\$6.65	\$6.65	\$6.65	\$6.65	\$6.65	\$6.65
Total PPA Price (\$/MWH)	\$132.20	\$137.60	\$132.20	\$132.20	\$137.60	\$132.20
Annual PPA Payments (\$000)	\$68,399	\$71,193	\$68,399	\$68,399	\$71,193	\$68,399
<u>Avoided Costs of Products</u>						
Energy Market (\$/MWH)	\$60.00	\$60.00	\$60.00	\$100.00	\$100.00	\$100.00
REC Market (% of ACP)	80%	80%	100%	80%	80%	100%
REC Market (\$/REC)	\$55.15	\$55.15	\$68.94	\$55.15	\$55.15	\$68.94
Capacity Market (\$/kw-mo)	\$2.86	\$2.86	\$2.86	\$2.86	\$2.86	\$2.86
Capacity Market (\$/MWH)	\$4.48	\$4.48	\$4.48	\$4.48	\$4.48	\$4.48
Total Avoided Costs (\$/MWH)	\$119.63	\$119.63	\$133.42	\$159.63	\$159.63	\$173.42
Annual Avoided Costs (\$000)	\$61,895	\$61,895	\$69,029	\$82,591	\$82,591	\$89,725
<u>Energy Service Rate Impact</u>						
Annual Rate Impact (\$000) = PPA Payments minus Avoided Costs (\$000)	\$6,503	\$9,297	(\$630)	(\$14,192)	(\$11,398)	(\$21,326)
Delivery Sales Forecast (MWH)	8,064,644	8,064,645	8,064,646	8,064,644	8,064,645	8,064,646
Migration Assumption (%)	31%	31%	31%	31%	31%	31%
Energy Service Sales (MWH)	5,564,604	5,564,605	5,564,606	5,564,604	5,564,605	5,564,606
Rate Impact (cents per KWH)	0.12	0.17	(0.01)	(0.26)	(0.20)	(0.38)
Monthly Bill Impact (Residential, 750 KWH) (\$/mo)	\$0.88	\$1.25	(\$0.08)	(\$1.91)	(\$1.54)	(\$2.87)

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