

**Conservation Law Foundation
Response to Record Request**

**Public Service Company of New Hampshire
NH PUC Docket DE 10-261
4/5/12 Hearing Record Request
RR-CLF-01**

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**Witness: Douglas Hurley
Request from: Public Utilities Commission**

Question:

Provide the data behind the charts in Exhibit CLF-01, labeled “2005-2011 Capacity Factor: Schiller 4” and “2005-2011 Capacity Factor: Schiller 6.”

Response:

Exhibit CLF-01 is a series of charts depicting the annual capacity factors for coal-fired electric generating units in the New England wholesale electricity market. Each chart depicts an individual unit’s annual capacity factor represented by a point for each year from 2005 through 2011, with lines connecting those single points. The underlying data was calculated as:

$$\text{Annual Capacity Factor} = \text{Annual Generation (MWh)} / \text{Capacity (MW)} \times 8,760 \text{ hours}$$

The Annual Generation number for each unit was taken from EPA Air Markets Program Data 2005-2011, and the Capacity was taken from EIA Form 860 (2010).

The data is provided in the table below:

Coal Plant Capacity Factors 2005-2011								
<i>Unit</i>	<i>Capacity (MW)</i>	<i>2005</i>	<i>2006</i>	<i>2007</i>	<i>2008</i>	<i>2009</i>	<i>2010</i>	<i>2011</i>
Brayton Point 1	241.0	91%	81%	97%	87%	74%	84%	45%
Brayton Point 2	241.0	97%	91%	90%	94%	80%	84%	33%
Brayton Point 3	642.6	78%	72%	87%	80%	78%	61%	38%
Bridgeport Harbor 3	400.0	81%	84%	70%	86%	31%	37%	15%
Merrimack 1	113.6	98%	87%	103%	86%	91%	73%	64%
Merrimack 2	345.6	76%	82%	80%	71%	54%	69%	49%
Mount Tom 1	136.0	93%	84%	101%	95%	48%	45%	10%
Salem Harbor 1	81.9	89%	87%	81%	57%	55%	47%	23%
Salem Harbor 2	82.0	90%	82%	77%	55%	42%	42%	8%
Salem Harbor 3	165.7	78%	75%	59%	29%	49%	52%	30%
Schiller 4	50.0	79%	73%	86%	81%	62%	57%	31%
Schiller 6	50.0	83%	79%	76%	83%	59%	55%	29%