# Public Service Company of New Hampshire d/b/a Eversource Energy 

Docket No. DE 23-091

Date Request Received: February 15, 2024
Data Request No. RR-006

Date of Response: February 20, 2024
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Request from: New Hampshire Public Utilities Commission
Witness: Littlehale, Parker

## Request:

Eversource is requested to provide a complete accounting of the derivation of the (approximately) $\$ 71$ million Cumulative Reduction Factor (CRF) balance presented by the Company in this proceeding, beginning with the first overmarket dollar (since the commencement of plant operation). We note that the current total overmarket amount is approximately $\$ 171$ million. Use Jan 31, 2024 as the end date.

## Response:

Please see Confidential Attachment RR-006 for the detailed information requested regarding the derivation of the Cumulative Reduction Factor (CRF) since initial operation of the Burgess plant. This is in the same format as provided to Burgess at the end of each PPA operating year.

As noted in the response to RR-005, the Excess Cumulative Reduction (ECR) (The ECR is a portion of the CRF in excess of $\$ 100$ million) captures the difference between the energy payments to Burgess under the PPA, which is the generation produced by the plant valued at the PPA contract rate, versus the value of that generation delivered to the ISO New England wholesale power market.

In a simplified example, if the Burgess facility generated 40,000 MWh during a month and the PPA contract rate was $\$ 85 / \mathrm{MWh}$ while the wholesale power price was $\$ 50 / \mathrm{MWh}$ :

- Energy payments to Burgess at PPA rate: $40,000 \mathrm{MWh} \mathrm{x} \$ 85 / \mathrm{MWh}=\$ 3.4$ million.
- Value of Burgess generation delivered to wholesale power market: $40,000 \mathrm{MWh}$ $\mathrm{x} \$ 50 / \mathrm{MWh}=\$ 2$ million.
- Monthly change in ECR: $\$ 3.4$ million $-\$ 2$ million $=\$ 1.4$ million added to the ECR.

Conversely, if the Burgess facility generated 40,000 MWh during a month and the PPA contract rate was $\$ 85 / \mathrm{MWh}$ while the wholesale power price was $\$ 125 / \mathrm{MWh}$ :

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- Energy payments to Burgess at PPA rate: : 40,000 MWh x $\$ 85 / \mathrm{MWh}=\$ 3.4$ million.
- Value of Burgess generation delivered to wholesale power market: $40,000 \mathrm{MWh}$ $\mathrm{x} \$ 125 / \mathrm{MWh}=\$ 5$ million.
- Monthly change in ECR: $\$ 3.4$ million $-\$ 5$ million $=\$ 1.6$ million subtracted from the ECR.

Replicating that calculation over the term of the PPA has led to an ECR amount over the $\$ 100$ million cap for the period ending December 31, 2023 in the total amount of $\$ 70.9$ million, as filed with the Commission on January 16, 2024 in Docket No. DE 19-142 (and see the update letter dated February 2, 2024 filed in that docket).

It should be noted that the ECR calculations described above continue to apply even while netting against payments to the Burgess plant are implemented with respect to periods after November 30, 2023. As a result, the ECR amount is not a fixed number and will continue to change due to variable Burgess plant output and changing wholesale power market prices.


This thru 11/30/23




