UNDERTAKING JT4.1

Undertaking

FOR THE PERIOD OF 2014 TO 2020, TO PROVIDE A PERCENTAGE OF TOTAL ENERGY OFFERED BELOW GRC BY MONTH.

Response

The percentage of total energy offered below GRC by month is presented in Chart 1.

Chart 1 – Percentage of Total Energy Offered Below GRC by Month

	2014	2015	2016	2017	2018	2019	2020
January	58%	64%	57%	61%	67%	60%	65%
February	61%	64%	63%	62%	66%	65%	67%
March	56%	58%	61%	65%	61%	61%	61%
April	59%	58%	66%	71%	57%	63%	62%
May	60%	59%	63%	70%	65%	70%	60%
June	57%	56%	60%	66%	58%	67%	60%
July	55%	50%	55%	60%	54%	61%	60%
August	51%	55%	58%	55%	58%	60%	59%
September	59%	56%	56%	57%	62%	61%	60%
October	56%	51%	55%	53%	57%	65%	61%
November	58%	55%	53%	60%	55%	64%	56%
December	58%	56%	55%	61%	56%	61%	60%

As explained in Ex. L-A1-11-OSEA-001, part 9, the percentage of total energy offered below GRC further varies hourly, reflecting OPG's efforts to allocate must-run[1] energy with intra-day flexibility to high demand hours and away from hours of low demand when SBG conditions are more likely to occur. For the 2014-2020 period, the resulting average monthly difference in the must-run energy offered below GRC during off-peak compared to on-peak hours was approximately 15%.

[1] "Must-run" refers to hydroelectric energy OPG must generate and is offered at prices below GRC.