Page 3.24, lines 14-16 – Provide details of the calculation of station service of 6.2%
and explain how it reflects 2018 and 2019 test year conditions and the effects of
recent capital improvements, such as the variable frequency drives of the forced
draft fans.

A. The station service factor is calculated using historical data (2011-2015) of Holyrood

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Q.

Station Service Factor [%] = 1 – (Net Plant Production [GWh]

Gross Plant production [GWh]

Gross Plant Production and Net Plant Production as follows:

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Table 1 provides the gross and net plant production and resultant station service factor.

Table 1 Holyrood Gross Plant Production and Net Plant Production

	Holyrood Thermal Generating Station		
	Gross Plant Production [GWh]	Net Plant Production [GWh]	Station Service Factor [%]
2011	948.9	885.3	6.7
2012	916.9	855.8	6.7
2013	1024.4	957.4	6.5
2014	1400.3	1315.3	6.1
2015	1543.2	1458.5	5.5
Total	5833.7	5472.4	
Average			6.2

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- 1 This five year period captures recent changes to station service load, including
- 2 variable frequency drives of the forced draft fans, as well as changes to plant
- 3 operation, such as annual average loading.