

1 Q. **Volume 1 (1st Revision), Chapter 3: Operations**
 2 Please complete the table below detailing the forecast gas turbine and diesel
 3 production figures (GWh) provided in Table 3-16. (Volume I
 4 (1st Revision), Chapter 3: Operations, Page 3.25, Table 3-16)

Forecast Gas Turbine and Diesel Production 2015 Test Year to 2019 Test Year (GWh)						
	2015T	2015	2016	2017F	2018T	2019T
Reserve requirements						
Testing/exercising						
Other (please specify)						
Total						

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A. Please refer to Table 1.

**Table 1 Forecast Gas Turbine and Diesel Production
2015 Test Year to 2019 Test Year (GWh)**

	2015T	2015A	2016A	2017F	2018T	2019T
Reserve requirements ¹	6	35	115	54	39	39
Testing/exercising	5	6	5	3	2	2
Other (please specify)	-	-	-	-	-	-
Total	11	41	120	57	41	41

¹ 'Reserve requirements' includes production to support Island Interconnected System customer demand requirements and spinning reserve as well as for area or regional requirements in the event of a forced or planned transmission line or generator outage.

1 The largest contributor to the variance between 2015 Test Year forecast production and
2 2015 and 2016 actual production was the Holyrood Gas Turbine (GT). The use of the
3 Holyrood GT in 2015 was primarily in support of spinning reserves and to provide
4 generation during the loss of a major generating unit. The unit was also required to reliably
5 facilitate planned generation and transmission outages. The use of the Holyrood GT in 2016
6 was primarily due to extended outages to Units 1 and 2 of the Holyrood Thermal
7 Generating Station in January and February 2016 due to boiler tube replacements. As a
8 result of these unit outages, the production at the Holyrood GT was increased to maintain
9 reserves as well as provide hydraulic reservoir support. Note that increased generation
10 costs from the Holyrood GT in 2016 were partially offset by fuel savings resulting from
11 lower energy production at the Holyrood Thermal Generating Station.

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13 Forecast Gas Turbine production for reserve requirements is higher in 2017 than in the
14 2018 and 2019 Test Years. The increased production primarily results from gas turbine
15 production for reserve requirements to support the 2017 total plant outage at the
16 Holyrood Thermal Generating Station.