

**Island Interconnected System Supply Issues and Power Outages**

1 Q. Please show the corresponding MW reserves for each analysis shown in the report  
 2 expressed in absolute MW and in %.

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5 A. The following table includes the corresponding MW reserve, as included in the  
 6 report in Table 7 – Reserve Margin Analysis, and the percent reserve for the system  
 7 capability used throughout the report.

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<b>Reserve Margin Analysis</b>								
	Winter 2016-17	Winter 2017-18	Winter 2018-19	Winter 2019-20	Winter 2016-17	Winter 2017-18	Winter 2018-19	Winter 2019-20
<b>Island Interconnected System</b>								
	<b>P50</b>				<b>P90</b>			
<b>Fully Stressed Reference Case</b>								
Installed Capacity (MW)	2,069	2,069	2,069	2,069	2,069	2,069	2,069	2,069
Forecast (MW)	1,733	1,758	1,752	1,760	1,801	1,831	1,819	1,827
Reserve Margin (MW)	336	311	317	309	268	238	250	242
Reserve Margin (%)	19%	18%	18%	18%	15%	13%	14%	13%
<b>Fully Stressed Reference Case with Sensitivity Load Projection</b>								
Installed Capacity (MW)	2,069	2,069	2,069	2,069	2,069	2,069	2,069	2,069
Forecast (MW)	1,720	1,740	1,730	1,730	1,780	1,800	1,790	1,790
Reserve Margin (MW)	349	329	339	339	289	269	279	279
Reserve Margin (%)	20%	19%	20%	20%	16%	15%	16%	16%
<b>Avalon System</b>								
	<b>P50</b>				<b>P90</b>			
<b>Fully Stressed Reference Case</b>								
Installed Capacity (MW)	1,155	1,155	1,215	1,215	1,155	1,155	1,215	1,215
Forecast (MW)	909	925	934	940	936	960	970	976
Reserve Margin (MW)	246	230	281	275	219	195	245	239
Reserve Margin (%)	27%	25%	30%	29%	23%	20%	25%	24%
<b>Fully Stressed Reference Case with Sensitivity Load Projection</b>								
Installed Capacity (MW)	1,155	1,155	1,215	1,215	1,155	1,155	1,215	1,215
Forecast (MW)	903	916	922	927	931	953	958	963
Reserve Margin (MW)	252	239	293	288	224	202	257	252
Reserve Margin (%)	28%	26%	32%	31%	24%	21%	27%	26%

Note: Installed capacity does not include 20 MW of voltage reduction or the Holyrood diesels (10MW)