

Q. Table 7 on page 22 of the ESRA Report shows that a violation of the 240 MW criteria occurs in only one case, for the fully stressed reference case with P90 forecast in Winter 2017-18 where reserve margin is 238 MW, 2 MW less than the 240 MW threshold. Please confirm that with the acquisition of the 12 MW “black start” diesel units this “violation” would not exist. Please provide updated version of Table 7 with these diesel units included.

A. The updated version of Table 7 can be found below. As evident, no violation of the 240 MW reserve margin exists.

Reserve Margin Analysis - Including Holyrood Diesels (10 MW)								
	Winter 2016-17	Winter 2017-18	Winter 2018-19	Winter 2019-20	Winter 2016-17	Winter 2017-18	Winter 2018-19	Winter 2019-20
Island Interconnected System								
	P50				P90			
Fully Stressed Reference Case								
Installed Capacity (MW)	2,079	2,079	2,079	2,079	2,079	2,079	2,079	2,079
Forecast (MW)	1,733	1,758	1,752	1,760	1,801	1,831	1,819	1,827
Reserve Margin (MW)	346	321	327	319	278	248	260	252
Reserve Margin (%)	20%	18%	19%	18%	15%	14%	14%	14%
Fully Stressed Reference Case with Sensitivity Load Projection								
Installed Capacity (MW)	2,079	2,079	2,079	2,079	2,079	2,079	2,079	2,079
Forecast (MW)	1,720	1,740	1,730	1,730	1,780	1,800	1,790	1,790
Reserve Margin (MW)	359	339	349	349	299	279	289	289
Reserve Margin (%)	21%	20%	20%	20%	17%	16%	16%	16%
Avalon System								
	P50				P90			
Fully Stressed Reference Case								
Installed Capacity (MW)	1,165	1,165	1,165	1,165	1,165	1,165	1,165	1,165
Forecast (MW)	909	925	934	940	936	960	970	976
Reserve Margin (MW)	256	240	231	225	229	205	195	189
Reserve Margin (%)	28%	26%	25%	24%	24%	21%	20%	19%
Fully Stressed Reference Case with Sensitivity Load Projection								
Installed Capacity (MW)	1,165	1,165	1,165	1,165	1,165	1,165	1,165	1,165
Forecast (MW)	903	916	922	927	931	953	958	963
Reserve Margin (MW)	262	249	243	238	234	212	207	202
Reserve Margin (%)	29%	27%	26%	26%	25%	22%	22%	21%

Note: Installed capacity does not include 20 MW of voltage reduction