

1 Q. **Reference Avalon Capacity Study, page 6:**

2 The base case demand assumption is said to be the 2028 P90 peak load of 1,762 MW;  
 3 please:

4  
 5 a. Indicate and explain whether this amount becomes 1,815 MW including station service  
 6 loads and 38.4 MW of transmission losses.

7  
 8 b. Explain how this relates to other demand assumptions.

9  
 10  
 11 A. a. Peak Island Demand is calculated as the sum of the peak customer load, station service  
 12 loads, and transmission losses. For the 2028 P90 peak case, Island Demand is calculated as  
 13 follows:

Peak Customer Load	1762	MW
Station Service		
Holyrood	7.4	MW
Soldiers Pond	6.8	MW
Bottom Brook	0.8	MW
Transmission Losses	38.4	MW
<b>Total Island Demand</b>	<b>1815.4</b>	<b>MW</b>

14 b. All calculated Island Demand values would include the parameters listed above. Station  
 15 Service values are assumed to be constant, while transmission losses would be a function of  
 16 customer load and generation dispatch.