

1 **Q. (Reference Application Volume 2, St. John's North-Portugal Cove System Planning**
 2 **Study, page 11) Please provide a table showing actual monthly loading on the 3**
 3 **substations over the past three years.**

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 5 A. Table 1 below contains the actual peak transformer loading by month on the 3 substations
 6 in the St. John's North – Portugal Cove area from January 2017 to March 2020.

Table 1
Peak Substation Transformer Loading by Month
(MVA)

Month	BCV-T1	RRD-T2	RRD-T3	VIR-T1	VIR-T2	VIR-T3
Jan 2017	24.9	16.3	18.4	22.8	25.5	18.3
Feb 2017	26.1	17.5	19.8	23.9	26.6	19.4
Mar 2017	25.5	19.0	21.3	21.9	24.4	21.3
Apr 2017	18.9	13.9	15.8	17.8	19.9	16.0
May 2017	17.0	12.5	14.0	15.6	17.4	14.6
Jun 2017	13.8	10.2	11.6	13.3	14.9	12.5
Jul 2017	9.2	7.3	8.3	9.1	10.4	9.2
Aug 2017	9.6	6.6	7.4	8.6	9.7	9.2
Sep 2017	11.2	7.8	8.9	9.8	11.1	9.7
Oct 2017	15.5	11.1	12.6	13.9	15.5	14.0
Nov 2017	18.2	12.9	14.5	16.3	18.3	15.5
Dec 2017	24.9	15.6	17.5	20.1	22.5	18.3
Jan 2018	23.9	16.4	18.5	21.8	24.2	19.1
Feb 2018	23.7	16.3	18.3	21.1	23.5	19.1
Mar 2018	19.6	14.1	15.7	17.4	19.5	16.9
Apr 2018	18.6	12.8	14.4	16.2	17.9	15.6
May 2018	15.6	12.4	14.1	14.4	16.0	13.7
Jun 2018	16.5	13.2	14.7	15.3	17.3	11.6
Jul 2018	8.7	7.8	8.9	8.7	9.8	8.1
Aug 2018	7.7	7.9	9.0	8.6	9.9	7.9
Sep 2018	12.1	10.3	11.6	12.3	13.9	9.4
Oct 2018	13.5	11.3	12.6	13.4	19.3	10.4
Nov 2018	19.8	12.9	14.6	18.8	21.0	12.9
Dec 2018	23.7	16.3	18.4	19.7	22.0	14.6
Jan 2019	23.3	16.9	19.1	22.5	25.2	15.3
Feb 2019	26.7	19.5	22.1	23.2	25.9	22.4
Mar 2019	22.8	16.4	18.5	19.3	21.6	15.0
Apr 2019	18.6	13.2	15.1	17.8	19.9	14.2
May 2019	16.1	11.3	12.9	17.4	19.5	13.8
Jun 2019	12.4	8.3	9.4	14.5	16.2	11.8
Jul 2019	9.3	7.2	8.2	11.1	12.5	8.7
Aug 2019	7.5	6.5	7.4	9.3	10.5	8.0
Sep 2019	11.6	8.7	9.9	12.0	13.4	8.7
Oct 2019	14.0	11.2	12.7	21.2	21.4	10.6
Nov 2019	16.7	13.3	14.9	15.9	17.7	11.9
Dec 2019	21.6	16.5	18.7	21.8	24.5	15.0
Jan 2020	22.9	18.1	20.4	20.2	22.7	15.1
Feb 2020	20.3	17.7	19.9	20.1	22.4	15.7
Mar 2020	23.2	17.9	20.4	19.6	21.8	15.2