## **Time Domain Load Flow Results**

					I		1				
No.   No.	Date	Time	Source	Source	Wind	Solar	DC Source	AC Load	AC Load	DC Load	Losses
01/01/18   01/03000   89.4   810.7   1532.7   0.0   0.0   2.819E-14   1002.6   0.0   837.6   01/01/18   01/03000   87.6   814.6   1507.2   0.0   0.0   2.819E-14   1002.7   0.0   87.6   01/01/18   02/03000   87.6   814.6   1507.2   0.0   0.0   2.776E-14   1002.7   0.0   87.6   01/01/18   02/03000   87.6   814.6   1507.2   0.0   0.0   2.776E-14   1002.7   0.0   87.6   01/01/18   03/03000   89.4   810.7   1532.7   0.0   0.0   4.337E-16   1002.6   0.0   89.4   01/01/18   03/03000   89.4   810.7   1532.7   0.0   0.0   4.337E-16   1002.6   0.0   89.4   01/01/18   03/03000   89.4   818.4   1481.6   0.0   0.0   2.776E-14   1002.7   0.0   85.9   01/01/18   04/03000   85.9   818.4   1481.6   0.0   0.0   0.776E-14   1002.7   0.0   85.9   01/01/18   05/03000   79.3   833.3   1379.4   0.0   0.0   0.776E-14   1003.0   0.0   79.3   01/01/18   05/03000   79.3   833.3   1379.4   0.0   0.0   0.73E-16   1003.0   0.0   79.3   01/01/18   06/03000   77.7   836.9   1353.9   2.0   0.0   2.28E-14   1003.0   0.0   77.7   01/01/18   06/03000   77.7   836.8   1353.9   2.0   0.0   2.28E-14   1003.0   0.0   77.7   01/01/18   06/03000   77.7   836.8   1353.9   6.1   0.0   2.28E-14   1003.0   0.0   77.7   01/01/18   08/03000   76.1   840.3   1328.3   9.7   0.0   2.28E-14   1003.0   0.0   77.7   01/01/18   08/03000   76.1   840.3   1328.3   9.7   0.0   2.28E-14   1003.0   0.0   77.7   01/01/18   09/03000   69.9   854.2   1266.2   12.6   0.0   0.0   2.78E-14   1003.0   0.0   77.7   01/01/18   09/03000   69.9   854.2   1262.2   12.6   0.0   0.0   2.28E-14   1003.0   0.0   77.7   01/01/18   13/0300   0.0   77.7   836.8   1353.9   6.1   0.0   2.28E-14   1003.0   0.0   77.7   01/01/18   03/0300   0.	Date	Time	kW	kvar	kW	kW	kW	kW	kvar	kW	kW
01/01/18   01:00:00   87.6	01/01/18	00:00:00	89.4	-810.7	1532.7	0.0	0.0	-5.51E-14	-1002.6	0.0	89.4
	01/01/18	00:30:00	89.4	-810.7	1532.7	0.0	0.0	2.819E-14	-1002.6	0.0	89.4
01/01/18   02:00:00   87.6   .814.6   1507.2   0.0   0.0   2.776E-14   .1002.7   0.0   87.6     01/01/18   03:30:00   89.4   .810.7   1532.7   0.0   0.0   .5.55E-14   .1002.6   0.0   89.4     01/01/18   03:30:00   89.4   .810.7   1532.7   0.0   0.0   .4.33F-16   .1002.6   0.0   89.4     01/01/18   03:30:00   89.4   .810.7   1532.7   0.0   0.0   .4.33F-16   .1002.6   0.0   89.4     01/01/18   04:00:00   85.9   .818.4   1481.6   0.0   0.0   .2.776E-14   .1002.7   0.0   85.9     01/01/18   04:30:00   85.9   .818.4   1481.6   0.0   0.0   .2.73E-14   .1002.7   0.0   85.9     01/01/18   04:30:00   79.3   .833.3   1379.4   0.0   0.0   0.776E-14   .1003.0   0.0   79.3     01/01/18   05:30:00   79.3   .833.3   1379.4   0.0   0.0   2.73EE-14   .1003.0   0.0   79.3     01/01/18   05:30:00   77.7   .836.9   1353.9   2.0   0.0   4.33FE-16   .1003.0   0.0   77.7     01/01/18   07:00:00   77.7   .836.8   1353.9   2.0   0.0   4.33FE-16   .1003.0   0.0   77.7     01/01/18   07:00:00   77.7   .836.8   1353.9   2.0   0.0   2.28EE-14   .1003.0   0.0   77.7     01/01/18   07:30:00   77.7   .836.8   1353.9   6.1   0.0   2.28EE-14   .1003.0   0.0   77.7     01/01/18   07:30:00   77.7   .836.8   1353.9   5.1   0.0   2.28EE-14   .1003.0   0.0   77.7     01/01/18   08:30:00   76.1   .840.3   1328.3   9.7   0.0   2.28EE-14   .1003.1   0.0   76.1     01/01/18   09:30:00   69.9   .854.2   1226.2   12.6   0.0   0.0   2.73EE-14   .1003.1   0.0   76.1     01/01/18   09:30:00   69.9   .854.2   1226.2   12.6   0.0   0.0   2.76EE-14   .1003.1   0.0   69.9     01/01/18   10:30:00   86.0   .818.1   1481.6   15.2   0.0   .8.3EE-14   .1002.7   0.0   86.0     01/01/18   10:30:00   86.0   .818.1   1481.6   15.2   0.0   .8.2EE-14   .1002.3   0.0   69.9     01/01/18   13:30:00   77.7   .836.6   1353.9   16.1   0.0   2.776E-14   .1002.9   0.0   81.0     01/01/18   13:30:00   77.7   .836.6   1353.9   16.1   0.0   2.73EE-14   .1002.7   0.0   86.0     01/01/18   13:30:00   09.82   .790.6   1660.4   14.1   0.0   0.2.73EE-14   .1002.3   0.0   96.9     01/01	01/01/18	01:00:00	87.6	-814.6	1507.2	0.0	0.0	2.819E-14	-1002.7	0.0	87.6
01/01/18   02:30:00   87.6	01/01/18	01:30:00	87.6	-814.6	1507.2	0.0	0.0	8.674E-16	-1002.7	0.0	87.6
01/01/18   03:00:00   089.4   -810.7   1532.7   0.0   0.0   4.337E-16   -1002.6   0.0   89.4   01/01/18   04:00:00   85.9   -818.4   1481.6   0.0   0.0   -4.34E-16   -1002.7   0.0   85.9   01/01/18   04:00:00   85.9   -818.4   1481.6   0.0   0.0   0.776E-14   -1002.7   0.0   85.9   01/01/18   04:00:00   85.9   -818.4   1481.6   0.0   0.0   0.4:34E-16   1002.7   0.0   85.9   01/01/18   05:00:00   79.3   -833.3   1379.4   0.0   0.0   0.4:34E-16   1002.7   0.0   85.9   01/01/18   05:00:00   77.7   -836.9   1353.9   2.0   0.0   4.33F-16   1003.0   0.0   79.3   01/01/18   06:00:00   77.7   -836.9   1353.9   2.0   0.0   4.33F-16   1003.0   0.0   77.7   01/01/18   07:00:00   77.7   -836.8   1353.9   2.0   0.0   2.28E-14   -1003.0   0.0   77.7   01/01/18   07:00:00   77.7   -836.8   1353.9   2.0   0.0   2.28E-14   -1003.0   0.0   77.7   01/01/18   07:00:00   77.7   -836.8   1353.9   6.1   0.0   -2.28E-14   -1003.0   0.0   77.7   01/01/18   08:00:00   76.1   -840.3   1328.3   9.7   0.0   -2.28E-14   -1003.1   0.0   76.1   01/01/18   08:00:00   76.1   -840.3   1328.3   9.7   0.0   -2.58E-14   -1003.1   0.0   76.1   01/01/18   09:00:00   69.9   -854.2   1226.2   12.6   0.0   0.2.776E-14   -1003.3   0.0   69.9   01/01/18   09:30:00   69.9   -854.2   1226.2   12.6   0.0   2.776E-14   -1003.3   0.0   69.9   01/01/18   10:00:00   86.0   -818.1   1481.6   15.2   0.0   -8.67E-16   -1002.7   0.0   86.0   01/01/18   11:00:00   81.0   -829.4   1405.0   16.1   0.0   -2.78E-14   -1002.9   0.0   81.0   01/01/18   13:00:00   98.2   -790.6   1660.4   14.1   0.0   2.776E-14   -1003.0   0.0   77.7   01/01/18   13:00:00   98.2   -790.6   1660.4   14.1   0.0   0.2.73E-14   -1002.9   0.0   81.0   01/01/18   13:00:00   98.2   -790.6   1660.4   14.1   0.0   0.2.73E-14   -1002.9   0.0   81.0   10/01/18   13:00:00   98.2   -790.6   1660.4   14.1   0.0   0.2.73E-14   -1002.9   0.0   115.1   01/01/18   13:00:00   17.4   -769.7   1788.2   12.3   0.0   0.2.73E-14   -1002.9   0.0   115.1   01/01/18   13:00:00   115.1   -752.5   1890.3   0.7   0.0	01/01/18	02:00:00	87.6	-814.6	1507.2	0.0	0.0	2.776E-14	-1002.7	0.0	87.6
01/01/18   03:30:00   89.4   8:10.7   1532.7   0.0   0.0   4.34E-16   -1002.6   0.0   85.9	01/01/18	02:30:00	87.6	-814.6	1507.2	0.0	0.0	-5.55E-14	-1002.7	0.0	87.6
01/01/18   04:00:00   85:9   818.4   1481.6   0.0   0.0   2.776E:14   1002.7   0.0   85:9     01/01/18   05:00:00   79:3   833.3   1379.4   0.0   0.0   0.0   2.73EE:14   1003.0   0.0   79:3     01/01/18   05:30:00   79:3   833.3   1379.4   0.0   0.0   0.0   2.73EE:14   1003.0   0.0   79:3     01/01/18   05:30:00   77:7   836.9   1353.9   2.0   0.0   4.33TE:16   1003.0   0.0   77:7     01/01/18   06:00:00   77.7   836.9   1353.9   2.0   0.0   4.33TE:16   1003.0   0.0   77:7     01/01/18   07:00:00   77:7   836.8   1353.9   2.0   0.0   2.28EE:14   1003.0   0.0   77:7     01/01/18   07:30:00   77:7   836.8   1353.9   6.1   0.0   2.28EE:14   1003.0   0.0   77:7     01/01/18   07:30:00   77:7   836.8   1353.9   6.1   0.0   2.28EE:14   1003.0   0.0   77:7     01/01/18   08:30:00   76:1   840.3   1328.3   9.7   0.0   2.28EE:14   1003.1   0.0   76:1     01/01/18   08:30:00   76:1   840.3   1328.3   9.7   0.0   2.28EE:14   1003.1   0.0   76:1     01/01/18   09:30:00   69:9   854.2   1226.2   12.6   0.0   0.1003.3   0.0   69:9     01/01/18   10:00:00   86:0   818.1   1481.6   15.2   0.0   8.67EE:16   1002.7   0.0   86:0     01/01/18   11:30:00   86:0   818.1   1481.6   15.2   0.0   8.38EE:14   1002.7   0.0   86:0     01/01/18   11:30:00   81.0   829.4   1405.0   16:1   0.0   2.78EE:14   1003.0   0.0   77:7     01/01/18   11:30:00   81.0   829.4   1405.0   16:1   0.0   2.78EE:14   1000.2   0.0   88.0     01/01/18   11:30:00   98.2   -790.6   1660.4   14.1   0.0   0.278E:14   1000.0   0.0   77:7     01/01/18   13:30:00   98.2   -790.6   1660.4   14.1   0.0   0.273E:14   1000.0   0.0   77:7     01/01/18   15:30:00   111.3   -761.1   1839.2   9.8   0.0   0.0   2.73EE:14   1000.9   0.0   111.3     01/01/18   15:30:00   115.1   -752.5   1890.3   3.0   0.0   2.73EE:14   1001.9   0.0   111.3     01/01/18   16:30:00   115.1   -752.5   1890.3   0.7   0.0   2.73EE:14   1001.9   0.0   115.1     01/01/18   19:30:00   115.1   -752.5   1890.3   0.7   0.0   2.73EE:14   1001.9   0.0   115.1     01/01/18   19:30:00   115.1   -752.5   18	01/01/18	03:00:00	89.4	-810.7	1532.7	0.0	0.0	4.337E-16	-1002.6	0.0	89.4
01/01/18   04:30:00   85:9   818.4   1481.6   0.0   0.0   4.34E-16   -1002.7   0.0   85:9	01/01/18	03:30:00	89.4	-810.7	1532.7	0.0	0.0	-4.34E-16	-1002.6	0.0	89.4
01/01/18   05:00:00   79.3   -833.3   1379.4   0.0   0.0   0.0   0.0   -1003.0   0.0   79.3	01/01/18	04:00:00	85.9	-818.4	1481.6	0.0	0.0	2.776E-14	-1002.7	0.0	85.9
01/01/18         05:30:00         79.3         -833.3         1379.4         0.0         0.0         2.732E:14         -1003.0         0.0         77.7           01/01/18         06:00:00         77.7         -836.9         1353.9         2.0         0.0         4.337E:16         -1003.0         0.0         77.7           01/01/18         07:30:00         77.7         -836.8         1353.9         2.0         0.0         -2.82E:14         -1003.0         0.0         77.7           01/01/18         07:30:00         77.7         -836.8         1353.9         6.1         0.0         -2.82E:14         -1003.0         0.0         77.7           01/01/18         08:00:00         76.1         -840.3         1328.3         9.7         0.0         -2.82E:14         -1003.1         0.0         76.1           01/01/18         08:30:00         76.1         -840.3         1328.3         9.7         0.0         -5.51E:14         -1003.1         0.0         76.1           01/01/18         09:30:00         69.9         -854.2         1226.2         12.6         0.0         0         -1003.3         0.0         69.9           01/01/18         10:30:00         86.0         -818.1 <td>01/01/18</td> <td>04:30:00</td> <td>85.9</td> <td>-818.4</td> <td>1481.6</td> <td>0.0</td> <td>0.0</td> <td>-4.34E-16</td> <td>-1002.7</td> <td>0.0</td> <td>85.9</td>	01/01/18	04:30:00	85.9	-818.4	1481.6	0.0	0.0	-4.34E-16	-1002.7	0.0	85.9
01/01/18         05:30:00         79.3         -833.3         1379.4         0.0         0.0         2.732E:14         -1003.0         0.0         77.7           01/01/18         06:00:00         77.7         -836.9         1353.9         2.0         0.0         4.337E:16         -1003.0         0.0         77.7           01/01/18         07:30:00         77.7         -836.8         1353.9         2.0         0.0         -2.82E:14         -1003.0         0.0         77.7           01/01/18         07:30:00         77.7         -836.8         1353.9         6.1         0.0         -2.82E:14         -1003.0         0.0         77.7           01/01/18         08:00:00         76.1         -840.3         1328.3         9.7         0.0         -2.82E:14         -1003.1         0.0         76.1           01/01/18         08:30:00         76.1         -840.3         1328.3         9.7         0.0         -5.51E:14         -1003.1         0.0         76.1           01/01/18         09:30:00         69.9         -854.2         1226.2         12.6         0.0         0         -1003.3         0.0         69.9           01/01/18         10:30:00         86.0         -818.1 <td>01/01/18</td> <td>05:00:00</td> <td>79.3</td> <td>-833.3</td> <td>1379.4</td> <td>0.0</td> <td>0.0</td> <td>0</td> <td>-1003.0</td> <td>0.0</td> <td>79.3</td>	01/01/18	05:00:00	79.3	-833.3	1379.4	0.0	0.0	0	-1003.0	0.0	79.3
01/01/18		05:30:00	79.3	-833.3	1379.4	0.0	0.0	2.732E-14	-1003.0	0.0	79.3
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01/01/18         07:30:00         77.7         -836.8         1353.9         6.1         0.0         -2.73E-14         -1003.0         0.0         77.7           01/01/18         08:00:00         76.1         -840.3         1328.3         9.7         0.0         -2.82E-14         -1003.1         0.0         76.1           01/01/18         08:30:00         69.9         -854.2         1226.2         12.6         0.0         0         -1003.3         0.0         69.9           01/01/18         09:30:00         69.9         -854.2         1226.2         12.6         0.0         2.776E-14         -1003.3         0.0         69.9           01/01/18         10:00:00         86.0         -818.1         1481.6         15.2         0.0         -8.77E-16         -1002.7         0.0         86.0           01/01/18         10:00:00         86.0         -818.1         1481.6         15.2         0.0         -8.38E-14         -1002.7         0.0         86.0           01/01/18         11:00:00         81.0         -829.4         1405.0         16.1         0.0         2.78E-14         -1002.7         0.0         86.0           01/01/18         11:30:00         77.7         -836.6<											
01/01/18         08:00:00         76.1         -840.3         1328.3         9.7         0.0         -2.82E-14         -1003.1         0.0         76.1           01/01/18         08:30:00         76.1         -840.3         1328.3         9.7         0.0         -5.51E-14         -1003.1         0.0         76.1           01/01/18         09:30:00         69.9         -854.2         1226.2         12.6         0.0         0         -1003.3         0.0         69.9           01/01/18         10:30:00         86.0         -818.1         1481.6         15.2         0.0         -8.3E-14         -1002.7         0.0         86.0           01/01/18         10:30:00         86.0         -818.1         1481.6         15.2         0.0         -8.3E-14         -1002.7         0.0         86.0           01/01/18         11:00:00         81.0         -829.4         1405.0         16.1         0.0         -8.2E-14         -1002.7         0.0         86.0           01/01/18         11:30:00         81.0         -829.4         1405.0         16.1         0.0         -2.7BE-14         -1002.9         0.0         81.0           01/01/18         12:30:00         77.7         -836.6 <td></td>											
01/01/18         08:30:00         76.1         -840.3         1328.3         9.7         0.0         -5.51E-14         -1003.1         0.0         76.1           01/01/18         09:00:00         69.9         -854.2         1226.2         12.6         0.0         0         -1003.3         0.0         69.9           01/01/18         10:00:00         86.0         -818.1         1481.6         15.2         0.0         -8.67E-16         -1002.7         0.0         86.0           01/01/18         10:30:00         86.0         -818.1         1481.6         15.2         0.0         -8.38E-14         -1002.7         0.0         86.0           01/01/18         11:00:00         81.0         -829.4         1405.0         16.1         0.0         -8.28E-14         -1002.9         0.0         81.0           01/01/18         11:30:00         77.7         -836.6         1353.9         16.4         0.0         -2.78E-14         -1002.9         0.0         81.0           01/01/18         12:30:00         77.7         -836.6         1353.9         15.2         0.0         -2.73E-14         -1003.0         0.0         77.7           01/01/18         13:30:00         98.2         -790.											
$\begin{array}{cccccccccccccccccccccccccccccccccccc$											
01/01/18         09:30:00         69.9         -854.2         1226.2         12.6         0.0         2.776E-14         -1003.3         0.0         69.9           01/01/18         10:00:00         86.0         -818.1         1481.6         15.2         0.0         -8.67E-16         -1002.7         0.0         86.0           01/01/18         10:30:00         86.0         -818.1         1481.6         15.2         0.0         -8.3E-14         -1002.7         0.0         86.0           01/01/18         11:00:00         81.0         -829.4         1405.0         16.1         0.0         -8.28E-14         -1002.9         0.0         81.0           01/01/18         11:30:00         81.0         -829.4         1405.0         16.1         0.0         2.776E-14         -1002.9         0.0         81.0           01/01/18         12:30:00         77.7         -836.6         1353.9         15.2         0.0         -2.78E-14         -1002.0         0.0         77.7           01/01/18         13:30:00         98.2         -790.6         1660.4         14.1         0.0         0         -1002.3         0.0         98.2           01/01/18         14:30:00         107.4         -769											
01/01/18         10:00:00         86.0         -818.1         1481.6         15.2         0.0         -8.67E-16         -1002.7         0.0         86.0           01/01/18         10:30:00         86.0         -818.1         1481.6         15.2         0.0         8.33E-14         -1002.7         0.0         86.0           01/01/18         11:00:00         81.0         -829.4         1405.0         16.1         0.0         -828-14         -1002.9         0.0         81.0           01/01/18         11:30:00         81.0         -829.4         1405.0         16.1         0.0         2.776E-14         -1002.9         0.0         81.0           01/01/18         12:30:00         77.7         -836.6         1353.9         16.4         0.0         -2.78E-14         -1003.0         0.0         77.7           01/01/18         12:30:00         98.2         -790.6         1660.4         14.1         0.0         0         -1002.3         0.0         98.2           01/01/18         13:30:00         98.2         -790.6         1660.4         14.1         0.0         0         -1002.3         0.0         98.2           01/01/18         14:30:00         107.4         -769.7								_			
01/01/18         10:30:00         86.0         -818.1         1481.6         15.2         0.0         -8.38E-14         -1002.7         0.0         86.0           01/01/18         11:00:00         81.0         -829.4         1405.0         16.1         0.0         -8.28E-14         -1002.9         0.0         81.0           01/01/18         11:30:00         81.0         -829.4         1405.0         16.1         0.0         2.776E-14         -1002.9         0.0         81.0           01/01/18         12:00:00         77.7         -836.6         1353.9         16.4         0.0         -2.78E-14         -1003.0         0.0         77.7           01/01/18         12:30:00         77.7         -836.7         1353.9         15.2         0.0         -2.73E-14         -1003.0         0.0         77.7           01/01/18         13:30:00         98.2         -790.6         1660.4         14.1         0.0         0         -1002.3         0.0         98.2           01/01/18         13:30:00         98.2         -790.6         1660.4         14.1         0.0         2.73E-14         -1002.3         0.0         98.2           01/01/18         14:00:00         10.7         -756.											
01/01/18         11:00:00         81.0         -829.4         1405.0         16.1         0.0         -8.28E-14         -1002.9         0.0         81.0           01/01/18         11:30:00         81.0         -829.4         1405.0         16.1         0.0         2.776E-14         -1002.9         0.0         81.0           01/01/18         12:30:00         77.7         -836.6         1353.9         15.2         0.0         -2.73E-14         -1003.0         0.0         77.7           01/01/18         13:00:00         98.2         -790.6         1660.4         14.1         0.0         0         -1002.3         0.0         98.2           01/01/18         13:30:00         98.2         -790.6         1660.4         14.1         0.0         2.732E-14         -1002.3         0.0         98.2           01/01/18         13:00:00         107.4         -769.7         1788.2         12.3         0.0         0         -1002.3         0.0         98.2           01/01/18         14:30:00         107.4         -769.7         1788.2         12.3         0.0         0         -1002.1         0.0         107.4           01/01/18         15:00:00         111.3         -761.1											
01/01/18         11:30:00         81.0         -829.4         1405.0         16.1         0.0         2.776E-14         -1002.9         0.0         81.0           01/01/18         12:00:00         77.7         -836.6         1353.9         16.4         0.0         -2.78E-14         -1003.0         0.0         77.7           01/01/18         12:30:00         77.7         -836.7         1353.9         15.2         0.0         -2.78E-14         -1003.0         0.0         77.7           01/01/18         13:00:00         98.2         -790.6         1660.4         14.1         0.0         0         -1002.3         0.0         98.2           01/01/18         13:30:00         107.4         -769.7         1788.2         12.3         0.0         0         -1002.1         0.0         107.4           01/01/18         14:30:00         107.4         -769.7         1788.2         12.3         0.0         0         -1002.1         0.0         107.4           01/01/18         15:30:00         111.3         -761.1         1839.2         9.8         0.0         2.819E-14         -1002.0         0.0         111.3           01/01/18         16:00:00         113.2         -756.8											
01/01/18         12:00:00         77.7         -836.6         1353.9         16.4         0.0         -2.78E-14         -1003.0         0.0         77.7           01/01/18         12:30:00         77.7         -836.7         1353.9         15.2         0.0         -2.73E-14         -1003.0         0.0         77.7           01/01/18         13:00:00         98.2         -790.6         1660.4         14.1         0.0         0         -1002.3         0.0         98.2           01/01/18         13:30:00         98.2         -790.6         1660.4         14.1         0.0         2.73E-14         -1002.3         0.0         98.2           01/01/18         14:00:00         107.4         -769.7         1788.2         12.3         0.0         0         -1002.1         0.0         107.4           01/01/18         15:00:00         111.3         -761.1         1839.2         9.8         0.0         0         -1002.0         0.0         111.3           01/01/18         15:00:00         113.2         -756.8         1864.8         6.4         0.0         -2.86E-14         -1001.9         0.0         113.2           01/01/18         16:00:00         113.2         -756.8											
01/01/18         12:30:00         77.7         -836.7         1353.9         15.2         0.0         -2.73E-14         -1003.0         0.0         77.7           01/01/18         13:00:00         98.2         -790.6         1660.4         14.1         0.0         0         -1002.3         0.0         98.2           01/01/18         13:30:00         98.2         -790.6         1660.4         14.1         0.0         2.732E-14         -1002.3         0.0         98.2           01/01/18         14:00:00         107.4         -769.7         1788.2         12.3         0.0         0         -1002.1         0.0         107.4           01/01/18         14:30:00         107.4         -769.7         1788.2         12.3         0.0         -2.86E-14         -1002.1         0.0         107.4           01/01/18         15:00:00         111.3         -761.1         1839.2         9.8         0.0         2.819E-14         -1002.0         0.0         111.3           01/01/18         16:00:00         113.2         -756.8         1864.8         6.4         0.0         2.862E-14         -1001.9         0.0         113.2           01/01/18         16:30:00         115.1         -752.											
01/01/18         13:00:00         98.2         -790.6         1660.4         14.1         0.0         0         -1002.3         0.0         98.2           01/01/18         13:30:00         98.2         -790.6         1660.4         14.1         0.0         2.732E-14         -1002.3         0.0         98.2           01/01/18         14:00:00         107.4         -769.7         1788.2         12.3         0.0         0         -1002.1         0.0         107.4           01/01/18         14:30:00         107.4         -769.7         1788.2         12.3         0.0         -2.86E-14         -1002.1         0.0         107.4           01/01/18         15:30:00         111.3         -761.1         1839.2         9.8         0.0         0         -1002.0         0.0         111.3           01/01/18         15:30:00         113.2         -756.8         1864.8         6.4         0.0         -2.78E-14         -1001.9         0.0         113.2           01/01/18         16:30:00         115.1         -752.5         1890.3         3.0         0.0         2.819E-14         -1001.9         0.0         115.1           01/01/18         17:00:00         115.1         -752.5											
01/01/18         13:30:00         98.2         -790.6         1660.4         14.1         0.0         2.732E-14         -1002.3         0.0         98.2           01/01/18         14:00:00         107.4         -769.7         1788.2         12.3         0.0         0         -1002.1         0.0         107.4           01/01/18         14:30:00         107.4         -769.7         1788.2         12.3         0.0         -2.86E-14         -1002.1         0.0         107.4           01/01/18         15:00:00         111.3         -761.1         1839.2         9.8         0.0         0         -1002.0         0.0         111.3           01/01/18         15:30:00         111.3         -761.1         1839.2         9.8         0.0         2.819E-14         -1002.0         0.0         111.3           01/01/18         16:00:00         113.2         -756.8         1864.8         6.4         0.0         -2.78E-14         -1001.9         0.0         113.2           01/01/18         16:30:00         115.1         -752.5         1890.3         3.0         0.0         2.819E-14         -1001.9         0.0         115.1           01/01/18         17:30:00         115.1         -75											
01/01/18         14:00:00         107.4         -769.7         1788.2         12.3         0.0         0         -1002.1         0.0         107.4           01/01/18         14:30:00         107.4         -769.7         1788.2         12.3         0.0         -2.86E-14         -1002.1         0.0         107.4           01/01/18         15:00:00         111.3         -761.1         1839.2         9.8         0.0         0         -1002.0         0.0         111.3           01/01/18         15:30:00         111.3         -761.1         1839.2         9.8         0.0         2.819E-14         -1002.0         0.0         111.3           01/01/18         16:00:00         113.2         -756.8         1864.8         6.4         0.0         -2.78E-14         -1001.9         0.0         113.2           01/01/18         16:30:00         115.1         -752.5         1890.3         3.0         0.0         2.819E-14         -1001.9         0.0         115.1           01/01/18         17:30:00         115.1         -752.5         1890.3         3.0         0.0         2.819E-14         -1001.9         0.0         115.1           01/01/18         18:30:00         115.1         -7								_			
01/01/18         14:30:00         107.4         -769.7         1788.2         12.3         0.0         -2.86E-14         -1002.1         0.0         107.4           01/01/18         15:00:00         111.3         -761.1         1839.2         9.8         0.0         0         -1002.0         0.0         111.3           01/01/18         15:30:00         111.3         -761.1         1839.2         9.8         0.0         2.819E-14         -1002.0         0.0         111.3           01/01/18         16:00:00         113.2         -756.8         1864.8         6.4         0.0         -2.78E-14         -1001.9         0.0         113.2           01/01/18         16:30:00         113.2         -756.8         1864.8         6.4         0.0         2.862E-14         -1001.9         0.0         113.2           01/01/18         17:00:00         115.1         -752.5         1890.3         3.0         0.0         2.819E-14         -1001.9         0.0         115.1           01/01/18         18:00:00         115.1         -752.5         1890.3         0.7         0.0         2.732E-14         -1001.9         0.0         115.1           01/01/18         18:00:00         115.1											
01/01/18         15:00:00         111.3         -761.1         1839.2         9.8         0.0         0         -1002.0         0.0         111.3           01/01/18         15:30:00         111.3         -761.1         1839.2         9.8         0.0         2.819E-14         -1002.0         0.0         111.3           01/01/18         16:00:00         113.2         -756.8         1864.8         6.4         0.0         -2.78E-14         -1001.9         0.0         113.2           01/01/18         16:30:00         113.2         -756.8         1864.8         6.4         0.0         2.862E-14         -1001.9         0.0         113.2           01/01/18         17:00:00         115.1         -752.5         1890.3         3.0         0.0         2.819E-14         -1001.9         0.0         115.1           01/01/18         17:30:00         115.1         -752.5         1890.3         3.0         0.0         4.337E-16         -1001.9         0.0         115.1           01/01/18         18:00:00         115.1         -752.5         1890.3         0.7         0.0         2.732E-14         -1001.9         0.0         115.1           01/01/18         18:30:00         115.1											
01/01/18         15:30:00         111.3         -761.1         1839.2         9.8         0.0         2.819E-14         -1002.0         0.0         111.3           01/01/18         16:00:00         113.2         -756.8         1864.8         6.4         0.0         -2.78E-14         -1001.9         0.0         113.2           01/01/18         16:30:00         113.2         -756.8         1864.8         6.4         0.0         2.862E-14         -1001.9         0.0         113.2           01/01/18         17:00:00         115.1         -752.5         1890.3         3.0         0.0         2.819E-14         -1001.9         0.0         115.1           01/01/18         17:30:00         115.1         -752.5         1890.3         3.0         0.0         4.337E-16         -1001.9         0.0         115.1           01/01/18         18:00:00         115.1         -752.5         1890.3         0.7         0.0         2.732E-14         -1001.9         0.0         115.1           01/01/18         18:30:00         117.1         -748.1         1915.9         0.0         0.0         0         -1001.8         0.0         117.1           01/01/18         19:30:00         107.4											
01/01/18         16:00:00         113.2         -756.8         1864.8         6.4         0.0         -2.78E-14         -1001.9         0.0         113.2           01/01/18         16:30:00         113.2         -756.8         1864.8         6.4         0.0         2.862E-14         -1001.9         0.0         113.2           01/01/18         17:00:00         115.1         -752.5         1890.3         3.0         0.0         2.819E-14         -1001.9         0.0         115.1           01/01/18         17:30:00         115.1         -752.5         1890.3         3.0         0.0         4.337E-16         -1001.9         0.0         115.1           01/01/18         18:00:00         115.1         -752.5         1890.3         0.7         0.0         2.732E-14         -1001.9         0.0         115.1           01/01/18         18:30:00         115.1         -752.5         1890.3         0.7         0.0         8.674E-16         -1001.9         0.0         115.1           01/01/18         19:00:00         117.1         -748.1         1915.9         0.0         0.0         0         -1001.8         0.0         117.1           01/01/18         19:30:00         107.4								_			
01/01/18         16:30:00         113.2         -756.8         1864.8         6.4         0.0         2.862E-14         -1001.9         0.0         113.2           01/01/18         17:00:00         115.1         -752.5         1890.3         3.0         0.0         2.819E-14         -1001.9         0.0         115.1           01/01/18         17:30:00         115.1         -752.5         1890.3         0.7         0.0         2.732E-14         -1001.9         0.0         115.1           01/01/18         18:30:00         115.1         -752.5         1890.3         0.7         0.0         2.732E-14         -1001.9         0.0         115.1           01/01/18         18:30:00         115.1         -752.5         1890.3         0.7         0.0         8.674E-16         -1001.9         0.0         115.1           01/01/18         19:00:00         117.1         -748.1         1915.9         0.0         0.0         0         -1001.8         0.0         117.1           01/01/18         19:30:00         107.4         -770.0         1788.2         0.0         0.0         -5.59E-14         -1002.1         0.0         107.4           01/01/18         21:30:00         135.0											
01/01/18         17:00:00         115.1         -752.5         1890.3         3.0         0.0         2.819E-14         -1001.9         0.0         115.1           01/01/18         17:30:00         115.1         -752.5         1890.3         3.0         0.0         4.337E-16         -1001.9         0.0         115.1           01/01/18         18:00:00         115.1         -752.5         1890.3         0.7         0.0         2.732E-14         -1001.9         0.0         115.1           01/01/18         18:30:00         115.1         -752.5         1890.3         0.7         0.0         2.732E-14         -1001.9         0.0         115.1           01/01/18         18:30:00         117.1         -748.1         1915.9         0.0         0.0         0         -1001.8         0.0         117.1           01/01/18         19:30:00         117.1         -748.1         1915.9         0.0         0.0         0         -1001.8         0.0         117.1           01/01/18         19:30:00         107.4         -770.0         1788.2         0.0         0.0         -5.59E-14         -1002.1         0.0         107.4           01/01/18         21:00:00         135.0         -707								_			
01/01/18         17:30:00         115.1         -752.5         1890.3         3.0         0.0         4.337E-16         -1001.9         0.0         115.1           01/01/18         18:00:00         115.1         -752.5         1890.3         0.7         0.0         2.732E-14         -1001.9         0.0         115.1           01/01/18         18:30:00         115.1         -752.5         1890.3         0.7         0.0         8.674E-16         -1001.9         0.0         115.1           01/01/18         19:00:00         117.1         -748.1         1915.9         0.0         0.0         0         -1001.8         0.0         117.1           01/01/18         19:30:00         117.1         -748.1         1915.9         0.0         0.0         0         -1001.8         0.0         117.1           01/01/18         20:00:00         107.4         -770.0         1788.2         0.0         0.0         -5.59E-14         -1002.1         0.0         107.4           01/01/18         21:30:00         135.0         -707.5         2145.8         0.0         0.0         -3.37E-16         -1001.3         0.0         135.0           01/01/18         21:30:00         135.0         -707											
01/01/18         18:00:00         115.1         -752.5         1890.3         0.7         0.0         2.732E-14         -1001.9         0.0         115.1           01/01/18         18:30:00         115.1         -752.5         1890.3         0.7         0.0         8.674E-16         -1001.9         0.0         115.1           01/01/18         19:00:00         117.1         -748.1         1915.9         0.0         0.0         0         -1001.8         0.0         117.1           01/01/18         19:30:00         107.4         -770.0         1788.2         0.0         0.0         -5.59E-14         -1002.1         0.0         107.4           01/01/18         20:30:00         107.4         -770.0         1788.2         0.0         0.0         -4.34E-16         -1002.1         0.0         107.4           01/01/18         21:00:00         135.0         -707.5         2145.8         0.0         0.0         -5.59E-14         -1001.3         0.0         135.0           01/01/18         21:30:00         135.0         -707.5         2145.8         0.0         0.0         -5.59E-14         -1001.3         0.0         135.0           01/01/18         22:30:00         129.0											
01/01/18         18:30:00         115.1         -752.5         1890.3         0.7         0.0         8.674E-16         -1001.9         0.0         115.1           01/01/18         19:00:00         117.1         -748.1         1915.9         0.0         0.0         0         -1001.8         0.0         117.1           01/01/18         19:30:00         107.4         -770.0         1788.2         0.0         0.0         -5.59E-14         -1002.1         0.0         107.4           01/01/18         20:30:00         107.4         -770.0         1788.2         0.0         0.0         -5.59E-14         -1002.1         0.0         107.4           01/01/18         21:00:00         135.0         -707.5         2145.8         0.0         0.0         -5.59E-14         -1001.3         0.0         135.0           01/01/18         21:30:00         135.0         -707.5         2145.8         0.0         0.0         -5.59E-14         -1001.3         0.0         135.0           01/01/18         22:30:00         129.0         -721.1         2069.1         0.0         0.0         -5.59E-14         -1001.3         0.0         129.0           01/01/18         22:30:00         129.0											
01/01/18         19:00:00         117.1         -748.1         1915.9         0.0         0.0         0         -1001.8         0.0         117.1           01/01/18         19:30:00         117.1         -748.1         1915.9         0.0         0.0         0         -1001.8         0.0         117.1           01/01/18         20:00:00         107.4         -770.0         1788.2         0.0         0.0         -5.59E-14         -1002.1         0.0         107.4           01/01/18         20:30:00         107.4         -770.0         1788.2         0.0         0.0         -4.34E-16         -1002.1         0.0         107.4           01/01/18         21:00:00         135.0         -707.5         2145.8         0.0         0.0         4.337E-16         -1001.3         0.0         135.0           01/01/18         21:30:00         135.0         -707.5         2145.8         0.0         0.0         -5.59E-14         -1001.3         0.0         135.0           01/01/18         22:30:00         129.0         -721.1         2069.1         0.0         0.0         5.464E-14         -1001.5         0.0         129.0           01/01/18         23:00:00         140.4         -694											
01/01/18         19:30:00         117.1         -748.1         1915.9         0.0         0.0         0         -1001.8         0.0         117.1           01/01/18         20:00:00         107.4         -770.0         1788.2         0.0         0.0         -5.59E-14         -1002.1         0.0         107.4           01/01/18         20:30:00         107.4         -770.0         1788.2         0.0         0.0         -4.34E-16         -1002.1         0.0         107.4           01/01/18         21:00:00         135.0         -707.5         2145.8         0.0         0.0         4.337E-16         -1001.3         0.0         135.0           01/01/18         21:30:00         135.0         -707.5         2145.8         0.0         0.0         -5.59E-14         -1001.3         0.0         135.0           01/01/18         22:30:00         129.0         -721.1         2069.1         0.0         0.0         5.464E-14         -1001.5         0.0         129.0           01/01/18         23:00:00         140.4         -694.9         2222.4         0.0         0.0         5.551E-14         -1001.3         0.0         140.4											
01/01/18         20:00:00         107.4         -770.0         1788.2         0.0         0.0         -5.59E-14         -1002.1         0.0         107.4           01/01/18         20:30:00         107.4         -770.0         1788.2         0.0         0.0         -4.34E-16         -1002.1         0.0         107.4           01/01/18         21:00:00         135.0         -707.5         2145.8         0.0         0.0         4.337E-16         -1001.3         0.0         135.0           01/01/18         21:30:00         135.0         -707.5         2145.8         0.0         0.0         -5.59E-14         -1001.3         0.0         135.0           01/01/18         22:00:00         129.0         -721.1         2069.1         0.0         0.0         0         -1001.5         0.0         129.0           01/01/18         22:30:00         129.0         -721.1         2069.1         0.0         0.0         5.464E-14         -1001.5         0.0         129.0           01/01/18         23:00:00         140.4         -694.9         2222.4         0.0         0.0         5.551E-14         -1001.3         0.0         140.4											
01/01/18         20:30:00         107.4         -770.0         1788.2         0.0         0.0         -4.34E-16         -1002.1         0.0         107.4           01/01/18         21:00:00         135.0         -707.5         2145.8         0.0         0.0         4.337E-16         -1001.3         0.0         135.0           01/01/18         21:30:00         135.0         -707.5         2145.8         0.0         0.0         -5.59E-14         -1001.3         0.0         135.0           01/01/18         22:00:00         129.0         -721.1         2069.1         0.0         0.0         0         -1001.5         0.0         129.0           01/01/18         22:30:00         129.0         -721.1         2069.1         0.0         0.0         5.464E-14         -1001.5         0.0         129.0           01/01/18         23:00:00         140.4         -694.9         2222.4         0.0         0.0         5.551E-14         -1001.3         0.0         140.4											
01/01/18         21:00:00         135.0         -707.5         2145.8         0.0         0.0         4.337E-16         -1001.3         0.0         135.0           01/01/18         21:30:00         135.0         -707.5         2145.8         0.0         0.0         -5.59E-14         -1001.3         0.0         135.0           01/01/18         22:00:00         129.0         -721.1         2069.1         0.0         0.0         0         -1001.5         0.0         129.0           01/01/18         22:30:00         129.0         -721.1         2069.1         0.0         0.0         5.464E-14         -1001.5         0.0         129.0           01/01/18         23:00:00         140.4         -694.9         2222.4         0.0         0.0         5.551E-14         -1001.3         0.0         140.4											
01/01/18         21:30:00         135.0         -707.5         2145.8         0.0         0.0         -5.59E-14         -1001.3         0.0         135.0           01/01/18         22:00:00         129.0         -721.1         2069.1         0.0         0.0         0         -1001.5         0.0         129.0           01/01/18         22:30:00         129.0         -721.1         2069.1         0.0         0.0         5.464E-14         -1001.5         0.0         129.0           01/01/18         23:00:00         140.4         -694.9         2222.4         0.0         0.0         5.551E-14         -1001.3         0.0         140.4											
01/01/18         22:00:00         129.0         -721.1         2069.1         0.0         0.0         0         -1001.5         0.0         129.0           01/01/18         22:30:00         129.0         -721.1         2069.1         0.0         0.0         5.464E-14         -1001.5         0.0         129.0           01/01/18         23:00:00         140.4         -694.9         2222.4         0.0         0.0         5.551E-14         -1001.3         0.0         140.4											
01/01/18         22:30:00         129.0         -721.1         2069.1         0.0         0.0         5.464E-14         -1001.5         0.0         129.0           01/01/18         23:00:00         140.4         -694.9         2222.4         0.0         0.0         5.551E-14         -1001.3         0.0         140.4											
01/01/18 23:00:00 140.4 -694.9 2222.4 0.0 0.0 5.551E-14 -1001.3 0.0 140.4											
	01/01/18	23:30:00	140.4	-694.9	2222.4	0.0	0.0	-5.59E-14	-1001.3	0.0	140.4
01/02/18											