

| Date     | Time   | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew<br>Pt. | Wind<br>Speed | Wind<br>Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW<br>Index | Bar   | Rain | Rain<br>Rate | Heat<br>D-D | Cool<br>D-D | In<br>Temp |
|----------|--------|-------------|------------|-------------|------------|------------|---------------|-------------|-------------|-------------|-----------|---------------|---------------|--------------|-------|------|--------------|-------------|-------------|------------|
| 12/01/17 | 12:30a | 14.1        | 14.1       | 14.0        | 94         | 13.1       | 0.0           | NNE         | 0.00        | 4.8         | NE        | 14.1          | 14.2          | 14.2         | 762.3 | 0.00 | 0.0          | 0.089       | 0.000       | 18.8       |
| 12/01/17 | 1:00a  | 14.0        | 14.1       | 14.0        | 94         | 13.0       | 0.0           | NE          | 0.00        | 4.8         | NNE       | 14.0          | 14.1          | 14.1         | 762.2 | 0.00 | 0.0          | 0.090       | 0.000       | 18.8       |
| 12/01/17 | 1:30a  | 13.8        | 14.0       | 13.8        | 94         | 12.8       | 0.0           | NE          | 0.00        | 6.4         | NE        | 13.8          | 13.9          | 13.9         | 761.8 | 0.00 | 0.0          | 0.095       | 0.000       | 18.8       |
| 12/01/17 | 2:00a  | 13.6        | 13.8       | 13.6        | 94         | 12.6       | 0.0           | NE          | 0.00        | 6.4         | NNE       | 13.6          | 13.7          | 13.7         | 761.6 | 0.00 | 0.0          | 0.100       | 0.000       | 18.7       |
| 12/01/17 | 2:30a  | 13.5        | 13.6       | 13.5        | 94         | 12.6       | 0.0           | NE          | 0.00        | 4.8         | ENE       | 13.5          | 13.6          | 13.6         | 761.6 | 0.00 | 0.0          | 0.101       | 0.000       | 18.6       |
| 12/01/17 | 3:00a  | 13.5        | 13.5       | 13.4        | 94         | 12.6       | 0.0           | NE          | 0.00        | 4.8         | NE        | 13.5          | 13.6          | 13.6         | 761.5 | 0.00 | 0.0          | 0.101       | 0.000       | 18.6       |
| 12/01/17 | 3:30a  | 13.5        | 13.6       | 13.5        | 94         | 12.6       | 0.0           | NE          | 0.00        | 4.8         | NNE       | 13.5          | 13.6          | 13.6         | 761.4 | 0.00 | 0.0          | 0.101       | 0.000       | 18.6       |
| 12/01/17 | 4:00a  | 13.4        | 13.5       | 13.4        | 94         | 12.5       | 0.0           | NNW         | 0.00        | 3.2         | NNW       | 13.4          | 13.6          | 13.6         | 761.3 | 0.00 | 0.0          | 0.102       | 0.000       | 18.6       |
| 12/01/17 | 4:30a  | 13.3        | 13.5       | 13.3        | 94         | 12.4       | 0.0           | NE          | 0.00        | 4.8         | NE        | 13.3          | 13.4          | 13.4         | 761.4 | 0.00 | 0.0          | 0.104       | 0.000       | 18.6       |
| 12/01/17 | 5:00a  | 13.3        | 13.3       | 13.3        | 95         | 12.5       | 0.0           | NE          | 0.00        | 3.2         | NE        | 13.3          | 13.4          | 13.4         | 761.4 | 0.00 | 0.0          | 0.105       | 0.000       | 18.6       |
| 12/01/17 | 5:30a  | 13.2        | 13.3       | 13.2        | 95         | 12.4       | 0.0           | NE          | 0.00        | 4.8         | NE        | 13.2          | 13.3          | 13.3         | 761.5 | 0.00 | 0.0          | 0.106       | 0.000       | 18.5       |
| 12/01/17 | 6:00a  | 12.9        | 13.2       | 12.9        | 96         | 12.3       | 0.0           | NE          | 0.00        | 3.2         | NE        | 12.9          | 13.1          | 13.1         | 761.6 | 0.00 | 0.0          | 0.112       | 0.000       | 18.5       |
| 12/01/17 | 6:30a  | 13.0        | 13.0       | 12.9        | 96         | 12.4       | 0.0           | NE          | 0.00        | 4.8         | NE        | 13.0          | 13.1          | 13.1         | 761.8 | 0.00 | 0.0          | 0.111       | 0.000       | 18.4       |
| 12/01/17 | 7:00a  | 13.1        | 13.1       | 13.0        | 96         | 12.5       | 0.0           | NNE         | 0.00        | 8.0         | NNE       | 13.1          | 13.2          | 13.2         | 762.1 | 0.00 | 0.0          | 0.109       | 0.000       | 18.4       |
| 12/01/17 | 7:30a  | 13.1        | 13.1       | 13.1        | 96         | 12.5       | 0.0           | N           | 0.00        | 3.2         | N         | 13.1          | 13.2          | 13.2         | 762.4 | 0.00 | 0.0          | 0.109       | 0.000       | 18.4       |
| 12/01/17 | 8:00a  | 13.6        | 13.6       | 13.1        | 96         | 13.0       | 0.0           | NNE         | 0.00        | 3.2         | NNE       | 13.6          | 13.7          | 13.7         | 762.7 | 0.00 | 0.0          | 0.098       | 0.000       | 18.6       |
| 12/01/17 | 8:30a  | 14.8        | 14.9       | 13.6        | 92         | 13.5       | 0.0           | NE          | 0.00        | 4.8         | NE        | 14.8          | 15.0          | 15.0         | 762.9 | 0.00 | 0.0          | 0.073       | 0.000       | 18.7       |
| 12/01/17 | 9:00a  | 15.1        | 15.1       | 14.6        | 91         | 13.6       | 1.6           | NE          | 0.80        | 9.7         | NNE       | 15.1          | 15.2          | 15.2         | 763.0 | 0.00 | 0.0          | 0.068       | 0.000       | 18.9       |
| 12/01/17 | 9:30a  | 16.6        | 16.6       | 15.1        | 84         | 13.8       | 1.6           | NNE         | 0.80        | 9.7         | N         | 16.6          | 16.7          | 16.7         | 762.8 | 0.00 | 0.0          | 0.037       | 0.000       | 19.2       |
| 12/01/17 | 10:00a | 18.2        | 18.2       | 16.6        | 75         | 13.7       | 3.2           | NE          | 1.61        | 11.3        | NNE       | 18.2          | 18.4          | 18.4         | 762.6 | 0.00 | 0.0          | 0.002       | 0.000       | 19.5       |
| 12/01/17 | 10:30a | 19.2        | 19.2       | 18.2        | 68         | 13.1       | 3.2           | NE          | 1.61        | 19.3        | NE        | 19.2          | 19.2          | 19.2         | 762.5 | 0.00 | 0.0          | 0.000       | 0.017       | 19.8       |
| 12/01/17 | 11:00a | 20.2        | 20.2       | 19.2        | 63         | 12.9       | 3.2           | NE          | 1.61        | 14.5        | NE        | 20.2          | 20.2          | 20.2         | 762.2 | 0.00 | 0.0          | 0.000       | 0.039       | 19.9       |
| 12/01/17 | 11:30a | 20.6        | 20.6       | 20.1        | 62         | 13.0       | 3.2           | NE          | 1.61        | 17.7        | NE        | 20.6          | 20.3          | 20.3         | 762.0 | 0.00 | 0.0          | 0.000       | 0.046       | 20.1       |
| 12/01/17 | 12:00p | 21.3        | 21.3       | 20.5        | 62         | 13.8       | 3.2           | NE          | 1.61        | 14.5        | NE        | 21.3          | 21.1          | 21.1         | 761.5 | 0.00 | 0.0          | 0.000       | 0.063       | 20.2       |
| 12/01/17 | 12:30p | 21.8        | 21.8       | 21.3        | 61         | 13.9       | 4.8           | NE          | 2.41        | 16.1        | NE        | 21.8          | 21.6          | 21.6         | 761.0 | 0.00 | 0.0          | 0.000       | 0.072       | 20.2       |
| 12/01/17 | 1:00p  | 22.0        | 22.0       | 21.7        | 58         | 13.4       | 3.2           | NE          | 1.61        | 11.3        | NNE       | 22.0          | 21.8          | 21.8         | 760.7 | 0.00 | 0.0          | 0.000       | 0.076       | 20.4       |
| 12/01/17 | 1:30p  | 22.2        | 22.2       | 22.0        | 57         | 13.2       | 3.2           | NNE         | 1.61        | 16.1        | NNE       | 22.2          | 21.9          | 21.9         | 760.3 | 0.00 | 0.0          | 0.000       | 0.080       | 20.5       |
| 12/01/17 | 2:00p  | 21.8        | 22.2       | 21.8        | 58         | 13.2       | 3.2           | NE          | 1.61        | 20.9        | NNE       | 21.8          | 21.5          | 21.5         | 760.2 | 0.00 | 0.0          | 0.000       | 0.073       | 20.7       |
| 12/01/17 | 2:30p  | 21.9        | 22.2       | 21.7        | 58         | 13.3       | 3.2           | NE          | 1.61        | 14.5        | NE        | 21.9          | 21.7          | 21.7         | 760.0 | 0.00 | 0.0          | 0.000       | 0.075       | 20.7       |
| 12/01/17 | 3:00p  | 21.7        | 21.9       | 21.7        | 60         | 13.6       | 3.2           | NE          | 1.61        | 12.9        | E         | 21.7          | 21.4          | 21.4         | 759.7 | 0.00 | 0.0          | 0.000       | 0.069       | 20.8       |
| 12/01/17 | 3:30p  | 21.3        | 21.9       | 21.3        | 61         | 13.5       | 3.2           | NE          | 1.61        | 9.7         | ENE       | 21.3          | 20.9          | 20.9         | 759.9 | 0.00 | 0.0          | 0.000       | 0.061       | 20.9       |
| 12/01/17 | 4:00p  | 20.9        | 21.3       | 20.9        | 63         | 13.6       | 3.2           | NE          | 1.61        | 11.3        | NE        | 20.9          | 20.7          | 20.7         | 759.8 | 0.00 | 0.0          | 0.000       | 0.054       | 20.8       |
| 12/01/17 | 4:30p  | 20.1        | 20.9       | 20.1        | 66         | 13.5       | 3.2           | W           | 1.61        | 11.3        | WNW       | 20.1          | 20.2          | 20.2         | 759.9 | 0.00 | 0.0          | 0.000       | 0.036       | 20.9       |
| 12/01/17 | 5:00p  | 19.3        | 20.1       | 19.3        | 69         | 13.5       | 3.2           | NE          | 1.61        | 12.9        | E         | 19.3          | 19.5          | 19.5         | 760.1 | 0.00 | 0.0          | 0.000       | 0.021       | 20.8       |
| 12/01/17 | 5:30p  | 18.3        | 19.3       | 18.3        | 72         | 13.2       | 1.6           | NE          | 0.80        | 17.7        | W         | 18.3          | 18.4          | 18.4         | 760.1 | 0.00 | 0.0          | 0.000       | 0.000       | 20.7       |
| 12/01/17 | 6:00p  | 17.6        | 18.3       | 17.6        | 76         | 13.3       | 1.6           | NE          | 0.80        | 11.3        | NNE       | 17.6          | 17.6          | 17.6         | 760.4 | 0.00 | 0.0          | 0.016       | 0.000       | 20.6       |
| 12/01/17 | 6:30p  | 16.8        | 17.6       | 16.8        | 76         | 12.6       | 1.6           | NW          | 0.80        | 9.7         | NE        | 16.8          | 16.8          | 16.8         | 760.8 | 0.00 | 0.0          | 0.031       | 0.000       | 20.4       |
| 12/01/17 | 7:00p  | 16.2        | 16.8       | 16.2        | 77         | 12.2       | 0.0           | NNE         | 0.00        | 6.4         | NE        | 16.2          | 16.1          | 16.1         | 761.2 | 0.00 | 0.0          | 0.044       | 0.000       | 20.2       |
| 12/01/17 | 7:30p  | 15.7        | 16.2       | 15.7        | 77         | 11.7       | 0.0           | WNW         | 0.00        | 8.0         | NE        | 15.7          | 15.6          | 15.6         | 761.5 | 0.00 | 0.0          | 0.054       | 0.000       | 20.1       |
| 12/01/17 | 8:00p  | 15.4        | 15.7       | 15.4        | 79         | 11.8       | 1.6           | NE          | 0.80        | 11.3        | WSW       | 15.4          | 15.3          | 15.3         | 761.9 | 0.00 | 0.0          | 0.061       | 0.000       | 19.9       |
| 12/01/17 | 8:30p  | 14.9        | 15.4       | 14.9        | 84         | 12.2       | 1.6           | NE          | 0.80        | 11.3        | NE        | 14.9          | 14.8          | 14.8         | 762.3 | 0.00 | 0.0          | 0.072       | 0.000       | 19.8       |
| 12/01/17 | 9:00p  | 14.4        | 14.9       | 14.4        | 87         | 12.3       | 0.0           | NE          | 0.00        | 6.4         | ENE       | 14.4          | 14.4          | 14.4         | 762.5 | 0.00 | 0.0          | 0.081       | 0.000       | 19.7       |
| 12/01/17 | 9:30p  | 14.4        | 14.4       | 14.3        | 87         | 12.3       | 1.6           | NE          | 0.80        | 6.4         | W         | 14.4          | 14.4          | 14.4         | 762.6 | 0.00 | 0.0          | 0.081       | 0.000       | 19.5       |
| 12/01/17 | 10:00p | 14.2        | 14.4       | 14.2        | 87         | 12.0       | 1.6           | NE          | 0.80        | 9.7         | E         | 14.2          | 14.2          | 14.2         | 762.5 | 0.00 | 0.0          | 0.087       | 0.000       | 19.4       |
| 12/01/17 | 10:30p | 13.7        | 14.2       | 13.7        | 90         | 12.1       | 0.0           | NE          | 0.00        | 3.2         | SW        | 13.7          | 13.8          | 13.8         | 762.7 | 0.00 | 0.0          | 0.096       | 0.000       | 19.3       |
| 12/01/17 | 11:00p | 13.3        | 13.7       | 13.3        | 92         | 12.1       | 1.6           | NE          | 0.80        | 8.0         | E         | 13.3          | 13.4          | 13.4         | 762.4 | 0.00 | 0.0          | 0.104       | 0.000       | 19.2       |
| 12/01/17 | 11:30p | 12.9        | 13.3       | 12.9        | 94         | 12.0       | 0.0           | ENE         | 0.00        | 8.0         | ENE       | 12.9          | 13.1          | 13.1         | 762.5 | 0.00 | 0.0          | 0.112       | 0.000       | 19.1       |
| 13/01/17 | 12:00a | 12.6        | 12.9       | 12.6        | 95         | 11.8       | 0.0           | ENE         | 0.00        | 3.2         | NNW       | 12.6          | 12.7          | 12.7         | 762.3 | 0.00 | 0.0          | 0.120       | 0.000       | 19.1       |

| Date     | Time   | In<br>Hum | In<br>Dew | In<br>Heat | In<br>EMC | In Air<br>Density | Wind<br>Samp | Wind<br>Tx | ISS<br>Recept | Arc.<br>Int. |
|----------|--------|-----------|-----------|------------|-----------|-------------------|--------------|------------|---------------|--------------|
| 12/01/17 | 12:30a | 70        | 13.2      | 18.9       | 13.31     | .0746             | 700          | 1          | 100.0         | 30           |
| 12/01/17 | 1:00a  | 70        | 13.2      | 18.9       | 13.32     | .0746             | 694          | 1          | 100.0         | 30           |
| 12/01/17 | 1:30a  | 70        | 13.2      | 18.9       | 13.32     | .0746             | 702          | 1          | 100.0         | 30           |
| 12/01/17 | 2:00a  | 70        | 13.1      | 18.8       | 13.32     | .0746             | 702          | 1          | 100.0         | 30           |
| 12/01/17 | 2:30a  | 70        | 13.0      | 18.7       | 13.33     | .0746             | 693          | 1          | 100.0         | 30           |
| 12/01/17 | 3:00a  | 70        | 13.0      | 18.7       | 13.33     | .0746             | 702          | 1          | 100.0         | 30           |
| 12/01/17 | 3:30a  | 70        | 13.0      | 18.7       | 13.33     | .0746             | 703          | 1          | 100.0         | 30           |
| 12/01/17 | 4:00a  | 70        | 13.0      | 18.6       | 13.33     | .0746             | 693          | 1          | 100.0         | 30           |
| 12/01/17 | 4:30a  | 70        | 13.0      | 18.6       | 13.33     | .0746             | 702          | 1          | 100.0         | 30           |
| 12/01/17 | 5:00a  | 70        | 13.0      | 18.6       | 13.33     | .0746             | 702          | 1          | 100.0         | 30           |
| 12/01/17 | 5:30a  | 70        | 12.9      | 18.6       | 13.34     | .0746             | 693          | 1          | 100.0         | 30           |
| 12/01/17 | 6:00a  | 70        | 12.9      | 18.6       | 13.34     | .0746             | 703          | 1          | 100.0         | 30           |
| 12/01/17 | 6:30a  | 70        | 12.9      | 18.4       | 13.34     | .0747             | 702          | 1          | 100.0         | 30           |
| 12/01/17 | 7:00a  | 70        | 12.9      | 18.4       | 13.34     | .0747             | 693          | 1          | 100.0         | 30           |
| 12/01/17 | 7:30a  | 70        | 12.9      | 18.4       | 13.34     | .0747             | 702          | 1          | 100.0         | 30           |
| 12/01/17 | 8:00a  | 71        | 13.2      | 18.6       | 13.54     | .0747             | 701          | 1          | 100.0         | 30           |
| 12/01/17 | 8:30a  | 71        | 13.4      | 18.8       | 13.54     | .0747             | 692          | 1          | 100.0         | 30           |
| 12/01/17 | 9:00a  | 72        | 13.7      | 19.1       | 13.75     | .0746             | 701          | 1          | 100.0         | 30           |
| 12/01/17 | 9:30a  | 72        | 14.0      | 19.4       | 13.75     | .0745             | 701          | 1          | 100.0         | 30           |
| 12/01/17 | 10:00a | 71        | 14.1      | 19.8       | 13.51     | .0744             | 702          | 1          | 100.0         | 30           |
| 12/01/17 | 10:30a | 70        | 14.1      | 20.1       | 13.25     | .0743             | 690          | 1          | 100.0         | 30           |
| 12/01/17 | 11:00a | 69        | 14.0      | 20.2       | 12.94     | .0743             | 702          | 1          | 100.0         | 30           |
| 12/01/17 | 11:30a | 68        | 14.0      | 20.3       | 12.63     | .0742             | 702          | 1          | 100.0         | 30           |
| 12/01/17 | 12:00p | 68        | 14.1      | 20.4       | 12.62     | .0741             | 703          | 1          | 100.0         | 30           |
| 12/01/17 | 12:30p | 67        | 13.9      | 20.4       | 12.38     | .0741             | 691          | 1          | 100.0         | 30           |
| 12/01/17 | 1:00p  | 67        | 14.1      | 20.5       | 12.38     | .0740             | 697          | 1          | 100.0         | 30           |
| 12/01/17 | 1:30p  | 67        | 14.2      | 20.6       | 12.37     | .0739             | 701          | 1          | 100.0         | 30           |
| 12/01/17 | 2:00p  | 66        | 14.1      | 20.7       | 12.15     | .0739             | 688          | 1          | 100.0         | 30           |
| 12/01/17 | 2:30p  | 66        | 14.1      | 20.7       | 12.15     | .0738             | 698          | 1          | 100.0         | 30           |
| 12/01/17 | 3:00p  | 66        | 14.2      | 20.8       | 12.15     | .0738             | 701          | 1          | 100.0         | 30           |
| 12/01/17 | 3:30p  | 66        | 14.3      | 20.8       | 12.15     | .0738             | 699          | 1          | 100.0         | 30           |
| 12/01/17 | 4:00p  | 66        | 14.2      | 20.8       | 12.15     | .0738             | 687          | 1          | 100.0         | 30           |
| 12/01/17 | 4:30p  | 66        | 14.3      | 20.8       | 12.15     | .0738             | 694          | 1          | 100.0         | 30           |
| 12/01/17 | 5:00p  | 67        | 14.5      | 20.8       | 12.36     | .0738             | 699          | 1          | 100.0         | 30           |
| 12/01/17 | 5:30p  | 67        | 14.3      | 20.7       | 12.37     | .0738             | 699          | 1          | 100.0         | 30           |
| 12/01/17 | 6:00p  | 67        | 14.2      | 20.6       | 12.37     | .0739             | 692          | 1          | 100.0         | 30           |
| 12/01/17 | 6:30p  | 68        | 14.3      | 20.6       | 12.60     | .0740             | 701          | 1          | 100.0         | 30           |
| 12/01/17 | 7:00p  | 68        | 14.1      | 20.4       | 12.61     | .0741             | 703          | 1          | 100.0         | 30           |
| 12/01/17 | 7:30p  | 68        | 14.0      | 20.3       | 12.62     | .0741             | 698          | 1          | 100.0         | 30           |
| 12/01/17 | 8:00p  | 68        | 13.9      | 20.2       | 12.63     | .0742             | 697          | 1          | 100.0         | 30           |
| 12/01/17 | 8:30p  | 68        | 13.7      | 20.0       | 12.65     | .0743             | 702          | 1          | 100.0         | 30           |
| 12/01/17 | 9:00p  | 68        | 13.6      | 19.8       | 12.65     | .0744             | 701          | 1          | 100.0         | 30           |
| 12/01/17 | 9:30p  | 68        | 13.4      | 19.7       | 12.67     | .0745             | 695          | 1          | 100.0         | 30           |
| 12/01/17 | 10:00p | 68        | 13.4      | 19.6       | 12.67     | .0745             | 702          | 1          | 100.0         | 30           |
| 12/01/17 | 10:30p | 69        | 13.5      | 19.5       | 12.98     | .0745             | 698          | 1          | 100.0         | 30           |
| 12/01/17 | 11:00p | 69        | 13.4      | 19.3       | 12.99     | .0745             | 696          | 1          | 100.0         | 30           |
| 12/01/17 | 11:30p | 69        | 13.3      | 19.2       | 12.99     | .0746             | 699          | 1          | 100.0         | 30           |
| 13/01/17 | 12:00a | 69        | 13.2      | 19.2       | 13.00     | .0745             | 694          | 1          | 100.0         | 30           |