

| 日期 | # | Max Temperarure | # | Min Temperature | # | Average Temperature | # | heating degree day | # | Sol air temperature(Ts) | # | Delta T(Ts-16) | # | Qc | # | Qv | # | Qs | # | Qi | # | Qm(W) | # | Qm(KW) | # | Qm(KW) after roundingup |
|------------|---|-----------------|---|-----------------|---|---------------------|---|--------------------|---|-------------------------|---|----------------|---|------------|---|-------|---|---------|---|------|---|------------|---|-------------|---|-------------------------|
| 01-01-2024 | | 11 | | 7 | | 9 | | 7 | | 36.5 | | 20.5 | | 1779.49125 | | 455 | | 928.125 | | 1650 | | -343.63375 | | -0.34363375 | | -0.4 |
| 01-02-2024 | | 11 | | 8 | | 9.5 | | 6.5 | | 37 | | 21 | | 1816.1325 | | 422.5 | | 928.125 | | 1650 | | -339.4925 | | -0.3394925 | | -0.4 |
| 01-03-2024 | | 16 | | 8 | | 12 | | 4 | | 39.5 | | 23.5 | | 1999.33875 | | 260 | | 928.125 | | 1650 | | -318.78625 | | -0.31878625 | | -0.4 |
| 01-04-2024 | | 11 | | 6 | | 8.5 | | 7.5 | | 36 | | 20 | | 1742.85 | | 487.5 | | 928.125 | | 1650 | | -347.775 | | -0.347775 | | -0.4 |
| 01-05-2024 | | 11 | | 7 | | 9 | | 7 | | 36.5 | | 20.5 | | 1779.49125 | | 455 | | 928.125 | | 1650 | | -343.63375 | | -0.34363375 | | -0.4 |
| 01-06-2024 | | 13 | | 6 | | 9.5 | | 6.5 | | 37 | | 21 | | 1816.1325 | | 422.5 | | 928.125 | | 1650 | | -339.4925 | | -0.3394925 | | -0.4 |
| 01-07-2024 | | 11 | | 7 | | 9 | | 7 | | 36.5 | | 20.5 | | 1779.49125 | | 455 | | 928.125 | | 1650 | | -343.63375 | | -0.34363375 | | -0.4 |
| 01-08-2024 | | 10 | | 6 | | 8 | | 8 | | 35.5 | | 19.5 | | 1706.20875 | | 520 | | 928.125 | | 1650 | | -351.91625 | | -0.35191625 | | -0.4 |
| 01-09-2024 | | 11 | | 7 | | 9 | | 7 | | 36.5 | | 20.5 | | 1779.49125 | | 455 | | 928.125 | | 1650 | | -343.63375 | | -0.34363375 | | -0.4 |
| 01-10-2024 | | 13 | | 6 | | 9.5 | | 6.5 | | 37 | | 21 | | 1816.1325 | | 422.5 | | 928.125 | | 1650 | | -339.4925 | | -0.3394925 | | -0.4 |
| 01-11-2024 | | 13 | | 6 | | 9.5 | | 6.5 | | 37 | | 21 | | 1816.1325 | | 422.5 | | 928.125 | | 1650 | | -339.4925 | | -0.3394925 | | -0.4 |
| 01-12-2024 | | 12 | | 4 | | 8 | | 8 | | 35.5 | | 19.5 | | 1706.20875 | | 520 | | 928.125 | | 1650 | | -351.91625 | | -0.35191625 | | -0.4 |
| 01-13-2024 | | 13 | | 5 | | 9 | | 7 | | 36.5 | | 20.5 | | 1779.49125 | | 455 | | 928.125 | | 1650 | | -343.63375 | | -0.34363375 | | -0.4 |
| 01-14-2024 | | 15 | | 3 | | 9 | | 7 | | 36.5 | | 20.5 | | 1779.49125 | | 455 | | 928.125 | | 1650 | | -343.63375 | | -0.34363375 | | -0.4 |
| 01-15-2024 | | 14 | | 3 | | 8.5 | | 7.5 | | 36 | | 20 | | 1742.85 | | 487.5 | | 928.125 | | 1650 | | -347.775 | | -0.347775 | | -0.4 |
| 01-16-2024 | | 12 | | 3 | | 7.5 | | 8.5 | | 35 | | 19 | | 1669.5675 | | 552.5 | | 928.125 | | 1650 | | -356.0575 | | -0.3560575 | | -0.4 |
| 01-17-2024 | | 16 | | 5 | | 10.5 | | 5.5 | | 38 | | 22 | | 1889.415 | | 357.5 | | 928.125 | | 1650 | | -331.21 | | -0.33121 | | -0.4 |
| 01-18-2024 | | 17 | | 3 | | 10 | | 6 | | 37.5 | | 21.5 | | 1852.77375 | | 390 | | 928.125 | | 1650 | | -335.35125 | | -0.33535125 | | -0.4 |
| 01-19-2024 | | 11 | | 8 | | 9.5 | | 6.5 | | 37 | | 21 | | 1816.1325 | | 422.5 | | 928.125 | | 1650 | | -339.4925 | | -0.3394925 | | -0.4 |
| 01-20-2024 | | 15 | | 4 | | 9.5 | | 6.5 | | 37 | | 21 | | 1816.1325 | | 422.5 | | 928.125 | | 1650 | | -339.4925 | | -0.3394925 | | -0.4 |
| 01-21-2024 | | 11 | | 5 | | 8 | | 8 | | 35.5 | | 19.5 | | 1706.20875 | | 520 | | 928.125 | | 1650 | | -351.91625 | | -0.35191625 | | -0.4 |
| 01-22-2024 | | 11 | | 6 | | 8.5 | | 7.5 | | 36 | | 20 | | 1742.85 | | 487.5 | | 928.125 | | 1650 | | -347.775 | | -0.347775 | | -0.4 |
| 01-23-2024 | | 14 | | 4 | | 9 | | 7 | | 36.5 | | 20.5 | | 1779.49125 | | 455 | | 928.125 | | 1650 | | -343.63375 | | -0.34363375 | | -0.4 |
| 01-24-2024 | | 11 | | 4 | | 7.5 | | 8.5 | | 35 | | 19 | | 1669.5675 | | 552.5 | | 928.125 | | 1650 | | -356.0575 | | -0.3560575 | | -0.4 |
| 01-25-2024 | | 15 | | 5 | | 10 | | 6 | | 37.5 | | 21.5 | | 1852.77375 | | 390 | | 928.125 | | 1650 | | -335.35125 | | -0.33535125 | | -0.4 |
| 01-26-2024 | | 19 | | 5 | | 12 | | 4 | | 39.5 | | 23.5 | | 1999.33875 | | 260 | | 928.125 | | 1650 | | -318.78625 | | -0.31878625 | | -0.4 |
| 01-27-2024 | | 22 | | 7 | | 14.5 | | 1.5 | | 42 | | 26 | | 2182.545 | | 97.5 | | 928.125 | | 1650 | | -298.08 | | -0.29808 | | -0.3 |
| 01-28-2024 | | 13 | | 7 | | 10 | | 6 | | 37.5 | | 21.5 | | 1852.77375 | | 390 | | 928.125 | | 1650 | | -335.35125 | | -0.33535125 | | -0.4 |
| 01-29-2024 | | 19 | | 8 | | 13.5 | | 2.5 | | 41 | | 25 | | 2109.2625 | | 162.5 | | 928.125 | | 1650 | | -306.3625 | | -0.3063625 | | -0.4 |
| 01-30-2024 | | 20 | | 9 | | 14.5 | | 1.5 | | 42 | | 26 | | 2182.545 | | 97.5 | | 928.125 | | 1650 | | -298.08 | | -0.29808 | | -0.3 |
| 01-31-2024 | | 19 | | 10 | | 14.5 | | 1.5 | | 42 | | 26 | | 2182.545 | | 97.5 | | 928.125 | | 1650 | | -298.08 | | -0.29808 | | -0.3 |
| 02-01-2024 | | 17 | | 12 | | 14.5 | | 1.5 | | 42 | | 26 | | 2182.545 | | 97.5 | | 928.125 | | 1650 | | -298.08 | | -0.29808 | | -0.3 |
| 02-02-2024 | | 20 | | 8 | | 14 | | 2 | | 41.5 | | 25.5 | | 2145.90375 | | 130 | | 928.125 | | 1650 | | -302.22125 | | -0.30222125 | | -0.4 |
| 02-03-2024 | | 20 | | 8 | | 14 | | 2 | | 41.5 | | 25.5 | | 2145.90375 | | 130 | | 928.125 | | 1650 | | -302.22125 | | -0.30222125 | | -0.4 |
| 02-04-2024 | | 16 | | 12 | | 14 | | 2 | | 41.5 | | 25.5 | | 2145.90375 | | 130 | | 928.125 | | 1650 | | -302.22125 | | -0.30222125 | | -0.4 |
| 02-05-2024 | | 16 | | 10 | | 13 | | 3 | | 40.5 | | 24.5 | | 2072.62125 | | 195 | | 928.125 | | 1650 | | -310.50375 | | -0.31050375 | | -0.4 |
| 02-06-2024 | | 20 | | 6 | | 13 | | 3 | | 40.5 | | 24.5 | | 2072.62125 | | 195 | | 928.125 | | 1650 | | -310.50375 | | | | |

| Date | # | Max Temperarure | # | Min Temperature | # | Average Temperature | # | heating degree day | # | Sol air temperature(Ts) | # | Delta T(Ts-16) | # | Qc | # | Qv | # | Qs | # | Qi | # | Qm(W) | # | Qm(KW) | # | Qm(KW) after roundingup |
|------------|---|-----------------|---|-----------------|---|---------------------|---|--------------------|---|-------------------------|---|----------------|---|------------|---|------|---|---------|---|------|---|------------|---|-------------|---|-------------------------|
| 02-10-2024 | | 22 | | 6 | | 14 | | 2 | | 41.5 | | 25.5 | | 2145.90375 | | 130 | | 928.125 | | 1650 | | -302.22125 | | -0.30222125 | | -0.4 |
| 02-11-2024 | | 24 | | 7 | | 15.5 | | 0.5 | | 43 | | 27 | | 2255.8275 | | 32.5 | | 928.125 | | 1650 | | -289.7975 | | -0.2897975 | | -0.3 |
| 02-12-2024 | | 24 | | 7 | | 15.5 | | 0.5 | | 43 | | 27 | | 2255.8275 | | 32.5 | | 928.125 | | 1650 | | -289.7975 | | -0.2897975 | | -0.3 |
| 02-13-2024 | | 23 | | 9 | | 16 | | 0 | | 43.5 | | 27.5 | | 2292.46875 | | 0 | | 928.125 | | 1650 | | -285.65625 | | 0 | | 0 |
| 02-14-2024 | | 25 | | 9 | | 17 | | 0 | | 44.5 | | 28.5 | | 2375.83125 | | 0 | | 928.125 | | 1650 | | -202.29375 | | 0 | | 0 |
| 02-15-2024 | | 26 | | 8 | | 17 | | 0 | | 44.5 | | 28.5 | | 2375.83125 | | 0 | | 928.125 | | 1650 | | -202.29375 | | 0 | | 0 |
| 02-16-2024 | | 26 | | 8 | | 17 | | 0 | | 44.5 | | 28.5 | | 2375.83125 | | 0 | | 928.125 | | 1650 | | -202.29375 | | 0 | | 0 |
| 02-17-2024 | | 26 | | 9 | | 17.5 | | 0 | | 45 | | 29 | | 2417.5125 | | 0 | | 928.125 | | 1650 | | -160.6125 | | 0 | | 0 |
| 02-18-2024 | | 25 | | 9 | | 17 | | 0 | | 44.5 | | 28.5 | | 2375.83125 | | 0 | | 928.125 | | 1650 | | -202.29375 | | 0 | | 0 |
| 02-19-2024 | | 25 | | 9 | | 17 | | 0 | | 44.5 | | 28.5 | | 2375.83125 | | 0 | | 928.125 | | 1650 | | -202.29375 | | 0 | | 0 |
| 02-20-2024 | | 25 | | 14 | | 19.5 | | 0 | | 47 | | 31 | | 2584.2375 | | 0 | | 928.125 | | 1650 | | 6.1125 | | 0 | | 0 |
| 02-21-2024 | | 23 | | 13 | | 18 | | 0 | | 45.5 | | 29.5 | | 2459.19375 | | 0 | | 928.125 | | 1650 | | -118.93125 | | 0 | | 0 |
| 02-22-2024 | | 26 | | 8 | | 17 | | 0 | | 44.5 | | 28.5 | | 2375.83125 | | 0 | | 928.125 | | 1650 | | -202.29375 | | 0 | | 0 |
| 02-23-2024 | | 24 | | 8 | | 16 | | 0 | | 43.5 | | 27.5 | | 2292.46875 | | 0 | | 928.125 | | 1650 | | -285.65625 | | 0 | | 0 |
| 02-24-2024 | | 24 | | 8 | | 16 | | 0 | | 43.5 | | 27.5 | | 2292.46875 | | 0 | | 928.125 | | 1650 | | -285.65625 | | 0 | | 0 |
| 02-25-2024 | | 24 | | 9 | | 16.5 | | 0 | | 44 | | 28 | | 2334.15 | | 0 | | 928.125 | | 1650 | | -243.975 | | 0 | | 0 |
| 02-26-2024 | | 25 | | 9 | | 17 | | 0 | | 44.5 | | 28.5 | | 2375.83125 | | 0 | | 928.125 | | 1650 | | -202.29375 | | 0 | | 0 |
| 02-27-2024 | | 21 | | 13 | | 17 | | 0 | | 44.5 | | 28.5 | | 2375.83125 | | 0 | | 928.125 | | 1650 | | -202.29375 | | 0 | | 0 |
| 02-28-2024 | | 26 | | 9 | | 17.5 | | 0 | | 45 | | 29 | | 2417.5125 | | 0 | | 928.125 | | 1650 | | -160.6125 | | 0 | | 0 |
| 02-29-2024 | | 27 | | 12 | | 19.5 | | 0 | | 47 | | 31 | | 2584.2375 | | 0 | | 928.125 | | 1650 | | 6.1125 | | 0 | | 0 |
| 03-01-2024 | | 23 | | 13 | | 18 | | 0 | | 45.5 | | 29.5 | | 2459.19375 | | 0 | | 928.125 | | 1650 | | -118.93125 | | 0 | | 0 |
| 03-02-2024 | | 24 | | 15 | | 19.5 | | 0 | | 47 | | 31 | | 2584.2375 | | 0 | | 928.125 | | 1650 | | 6.1125 | | 0 | | 0 |
| 03-03-2024 | | 23 | | 11 | | 17 | | 0 | | 44.5 | | 28.5 | | 2375.83125 | | 0 | | 928.125 | | 1650 | | -202.29375 | | 0 | | 0 |
| 03-04-2024 | | 22 | | 6 | | 14 | | 2 | | 41.5 | | 25.5 | | 2145.90375 | | 130 | | 928.125 | | 1650 | | -302.22125 | | -0.30222125 | | -0.4 |
| 03-05-2024 | | 22 | | 7 | | 14.5 | | 1.5 | | 42 | | 26 | | 2182.545 | | 97.5 | | 928.125 | | 1650 | | -298.08 | | -0.29808 | | -0.3 |
| 03-06-2024 | | 24 | | 7 | | 15.5 | | 0.5 | | 43 | | 27 | | 2255.8275 | | 32.5 | | 928.125 | | 1650 | | -289.7975 | | -0.2897975 | | -0.3 |
| 03-07-2024 | | 26 | | 8 | | 17 | | 0 | | 44.5 | | 28.5 | | 2375.83125 | | 0 | | 928.125 | | 1650 | | -202.29375 | | 0 | | 0 |
| 03-08-2024 | | 26 | | 10 | | 18 | | 0 | | 45.5 | | 29.5 | | 2459.19375 | | 0 | | 928.125 | | 1650 | | -118.93125 | | 0 | | 0 |
| 03-09-2024 | | 27 | | 12 | | 19.5 | | 0 | | 47 | | 31 | | 2584.2375 | | 0 | | 928.125 | | 1650 | | 6.1125 | | 0 | | 0 |
| 03-10-2024 | | 28 | | 11 | | 19.5 | | 0 | | 47 | | 31 | | 2584.2375 | | 0 | | 928.125 | | 1650 | | 6.1125 | | 0 | | 0 |
| 03-11-2024 | | 28 | | 13 | | 20.5 | | 0 | | 48 | | 32 | | 2667.6 | | 0 | | 928.125 | | 1650 | | 89.475 | | 0 | | 0 |
| 03-12-2024 | | 29 | | 13 | | 21 | | 0 | | 48.5 | | 32.5 | | 2709.28125 | | 0 | | 928.125 | | 1650 | | 131.15625 | | 0 | | 0 |
| 03-13-2024 | | 27 | | 13 | | 20 | | 0 | | 47.5 | | 31.5 | | 2625.91875 | | 0 | | 928.125 | | 1650 | | 47.79375 | | 0 | | 0 |
| 03-14-2024 | | 30 | | 12 | | 21 | | 0 | | 48.5 | | 32.5 | | 2709.28125 | | 0 | | 928.125 | | 1650 | | 131.15625 | | 0 | | 0 |
| 03-15-2024 | | 29 | | 11 | | 20 | | 0 | | 47.5 | | 31.5 | | 2625.91875 | | 0 | | 928.125 | | 1650 | | 47.79375 | | 0 | | 0 |
| 03-16-2024 | | 30 | | 12 | | 21 | | 0 | | 48.5 | | 32.5 | | 2709.28125 | | 0 | | 928.125 | | 1650 | | 131.15625 | | 0 | | 0 |
| 03-17-2024 | | 30 | | 13 | | 21.5 | | 0 | | 49 | | 33 | | 2750.9625 | | 0 | | 928.125 | | 1650 | | 172.8375 | | 0 | | 0 |
| 03-18-2024 | | 31 | | 12 | | 21.5 | | 0 | | 49 | | 33 | | 2750.9625 | | 0 | | 928.125 | | 1650 | | 172.8375 | | 0 | | 0 |
| 03-19-2024 | | 31 | | 13 | | 22 | | 0 | | 49.5 | | 33.5 | | 2792.64375 | | 0 | | 928.125 | | 1650 | | 214.51875 | | 0 | | |

| Date | # | Max Temperarure | # | Min Temperature | # | Average Temperature | # | heating degree day | # | Sol air temperature(Ts) | # | Delta T(Ts-16) | # | Qc | # | Qv | # | Qs | # | Qi | # | Qm(W) | # | Qm(KW) | # | Qm(KW) after roundingup |
|------------|---|-----------------|---|-----------------|---|---------------------|---|--------------------|---|-------------------------|---|----------------|---|------------|---|----|---|---------|---|------|---|-----------|---|--------|---|-------------------------|
| 03-21-2024 | | 27 | | 17 | | 22 | | 0 | | 49.5 | | 33.5 | | 2792.64375 | | 0 | | 928.125 | | 1650 | | 214.51875 | | 0 | | 0 |
| 03-22-2024 | | 31 | | 17 | | 24 | | 0 | | 51.5 | | 35.5 | | 2959.36875 | | 0 | | 928.125 | | 1650 | | 381.24375 | | 0 | | 0 |
| 03-23-2024 | | 32 | | 18 | | 25 | | 0 | | 52.5 | | 36.5 | | 3042.73125 | | 0 | | 928.125 | | 1650 | | 464.60625 | | 0 | | 0 |
| 03-24-2024 | | 29 | | 16 | | 22.5 | | 0 | | 50 | | 34 | | 2834.325 | | 0 | | 928.125 | | 1650 | | 256.2 | | 0 | | 0 |
| 03-25-2024 | | 31 | | 16 | | 23.5 | | 0 | | 51 | | 35 | | 2917.6875 | | 0 | | 928.125 | | 1650 | | 339.5625 | | 0 | | 0 |
| 03-26-2024 | | 32 | | 18 | | 25 | | 0 | | 52.5 | | 36.5 | | 3042.73125 | | 0 | | 928.125 | | 1650 | | 464.60625 | | 0 | | 0 |
| 03-27-2024 | | 34 | | 20 | | 27 | | 0 | | 54.5 | | 38.5 | | 3209.45625 | | 0 | | 928.125 | | 1650 | | 631.33125 | | 0 | | 0 |
| 03-28-2024 | | 35 | | 19 | | 27 | | 0 | | 54.5 | | 38.5 | | 3209.45625 | | 0 | | 928.125 | | 1650 | | 631.33125 | | 0 | | 0 |
| 03-29-2024 | | 35 | | 17 | | 26 | | 0 | | 53.5 | | 37.5 | | 3126.09375 | | 0 | | 928.125 | | 1650 | | 547.96875 | | 0 | | 0 |
| 03-30-2024 | | 34 | | 18 | | 26 | | 0 | | 53.5 | | 37.5 | | 3126.09375 | | 0 | | 928.125 | | 1650 | | 547.96875 | | 0 | | 0 |
| 03-31-2024 | | 34 | | 17 | | 25.5 | | 0 | | 53 | | 37 | | 3084.4125 | | 0 | | 928.125 | | 1650 | | 506.2875 | | 0 | | 0 |
| 04-01-2024 | | 31 | | 16 | | 23.5 | | 0 | | 51 | | 35 | | 2917.6875 | | 0 | | 928.125 | | 1650 | | 339.5625 | | 0 | | 0 |
| 04-02-2024 | | 31 | | 15 | | 23 | | 0 | | 50.5 | | 34.5 | | 2876.00625 | | 0 | | 928.125 | | 1650 | | 297.88125 | | 0 | | 0 |
| 04-03-2024 | | 35 | | 16 | | 25.5 | | 0 | | 53 | | 37 | | 3084.4125 | | 0 | | 928.125 | | 1650 | | 506.2875 | | 0 | | 0 |
| 04-04-2024 | | 36 | | 18 | | 27 | | 0 | | 54.5 | | 38.5 | | 3209.45625 | | 0 | | 928.125 | | 1650 | | 631.33125 | | 0 | | 0 |
| 04-05-2024 | | 36 | | 18 | | 27 | | 0 | | 54.5 | | 38.5 | | 3209.45625 | | 0 | | 928.125 | | 1650 | | 631.33125 | | 0 | | 0 |
| 04-06-2024 | | 35 | | 17 | | 26 | | 0 | | 53.5 | | 37.5 | | 3126.09375 | | 0 | | 928.125 | | 1650 | | 547.96875 | | 0 | | 0 |
| 04-07-2024 | | 35 | | 15 | | 25 | | 0 | | 52.5 | | 36.5 | | 3042.73125 | | 0 | | 928.125 | | 1650 | | 464.60625 | | 0 | | 0 |
| 04-08-2024 | | 37 | | 17 | | 27 | | 0 | | 54.5 | | 38.5 | | 3209.45625 | | 0 | | 928.125 | | 1650 | | 631.33125 | | 0 | | 0 |
| 04-09-2024 | | 37 | | 16 | | 26.5 | | 0 | | 54 | | 38 | | 3167.775 | | 0 | | 928.125 | | 1650 | | 589.65 | | 0 | | 0 |
| 04-10-2024 | | 38 | | 17 | | 27.5 | | 0 | | 55 | | 39 | | 3251.1375 | | 0 | | 928.125 | | 1650 | | 673.0125 | | 0 | | 0 |
| 04-11-2024 | | 37 | | 18 | | 27.5 | | 0 | | 55 | | 39 | | 3251.1375 | | 0 | | 928.125 | | 1650 | | 673.0125 | | 0 | | 0 |
| 04-12-2024 | | 38 | | 18 | | 28 | | 0 | | 55.5 | | 39.5 | | 3292.81875 | | 0 | | 928.125 | | 1650 | | 714.69375 | | 0 | | 0 |
| 04-13-2024 | | 34 | | 21 | | 27.5 | | 0 | | 55 | | 39 | | 3251.1375 | | 0 | | 928.125 | | 1650 | | 673.0125 | | 0 | | 0 |
| 04-14-2024 | | 30 | | 19 | | 24.5 | | 0 | | 52 | | 36 | | 3001.05 | | 0 | | 928.125 | | 1650 | | 422.925 | | 0 | | 0 |
| 04-15-2024 | | 34 | | 20 | | 27 | | 0 | | 54.5 | | 38.5 | | 3209.45625 | | 0 | | 928.125 | | 1650 | | 631.33125 | | 0 | | 0 |
| 04-16-2024 | | 35 | | 20 | | 27.5 | | 0 | | 55 | | 39 | | 3251.1375 | | 0 | | 928.125 | | 1650 | | 673.0125 | | 0 | | 0 |
| 04-17-2024 | | 39 | | 20 | | 29.5 | | 0 | | 57 | | 41 | | 3417.8625 | | 0 | | 928.125 | | 1650 | | 839.7375 | | 0 | | 0 |
| 04-18-2024 | | 37 | | 21 | | 29 | | 0 | | 56.5 | | 40.5 | | 3376.18125 | | 0 | | 928.125 | | 1650 | | 798.05625 | | 0 | | 0 |
| 04-19-2024 | | 39 | | 20 | | 29.5 | | 0 | | 57 | | 41 | | 3417.8625 | | 0 | | 928.125 | | 1650 | | 839.7375 | | 0 | | 0 |
| 04-20-2024 | | 35 | | 21 | | 28 | | 0 | | 55.5 | | 39.5 | | 3292.81875 | | 0 | | 928.125 | | 1650 | | 714.69375 | | 0 | | 0 |
| 04-21-2024 | | 37 | | 20 | | 28.5 | | 0 | | 56 | | 40 | | 3334.5 | | 0 | | 928.125 | | 1650 | | 756.375 | | 0 | | 0 |
| 04-22-2024 | | 37 | | 22 | | 29.5 | | 0 | | 57 | | 41 | | 3417.8625 | | 0 | | 928.125 | | 1650 | | 839.7375 | | 0 | | 0 |
| 04-23-2024 | | 33 | | 20 | | 26.5 | | 0 | | 54 | | 38 | | 3167.775 | | 0 | | 928.125 | | 1650 | | 589.65 | | 0 | | 0 |
| 04-24-2024 | | 36 | | 17 | | 26.5 | | 0 | | 54 | | 38 | | 3167.775 | | 0 | | 928.125 | | 1650 | | 589.65 | | 0 | | 0 |
| 04-25-2024 | | 39 | | 20 | | 29.5 | | 0 | | 57 | | 41 | | 3417.8625 | | 0 | | 928.125 | | 1650 | | 839.7375 | | 0 | | 0 |
| 04-26-2024 | | 41 | | 20 | | 30.5 | | 0 | | 58 | | 42 | | 3501.225 | | 0 | | 928.125 | | 1650 | | 923.1 | | 0 | | 0 |
| 04-27-2024 | | 37 | | 24 | | 30.5 | | 0 | | 58 | | 42 | | 3501.225 | | 0 | | 928.125 | | 1650 | | 923.1 | | 0 | | 0 |
| 04-28-2024 | | 38 | | 20 | | 29 | | 0 | | 56.5 | | 40.5 | | 3376.18125 | | 0 | | 928.125 | | 1650 | | 798.05625 | | 0 | | 0 |
| 04-29-2024 | | 30 | | 21 | | 25.5 | | 0 | | 53 | | 37 | | | | | | | | | | | | | | |

| Date | # | Max Temperarure | # | Min Temperature | # | Average Temperature | # | heating degree day | # | Sol air temperature(Ts) | # | Delta T(Ts-16) | # | Qc | # | Qv | # | Qs | # | Qi | # | Qm(W) | # | Qm(KW) | # | Qm(KW) after roundingup |
|------------|---|-----------------|---|-----------------|---|---------------------|---|--------------------|---|-------------------------|------|----------------|---|------------|---|----|---|---------|---|------|---|------------|---|--------|---|-------------------------|
| 04-30-2024 | | 36 | | 17 | | 26.5 | | 0 | | 54 | | 38 | | 3167.775 | | 0 | | 928.125 | | 1650 | | 589.65 | | 0 | | 0 |
| 05-01-2024 | | 32 | | 17 | | 24.5 | | 0 | | 52 | | 36 | | 3001.05 | | 0 | | 928.125 | | 1650 | | 422.925 | | 0 | | 0 |
| 05-02-2024 | | 36 | | 17 | | 26.5 | | 0 | | 54 | | 38 | | 3167.775 | | 0 | | 928.125 | | 1650 | | 589.65 | | 0 | | 0 |
| 05-03-2024 | | 38 | | 19 | | 28.5 | | 0 | | 56 | | 40 | | 3334.5 | | 0 | | 928.125 | | 1650 | | 756.375 | | 0 | | 0 |
| 05-04-2024 | | 41 | | 23 | | 32 | | 0 | | 59.5 | | 43.5 | | 3626.26875 | | 0 | | 928.125 | | 1650 | | 1048.14375 | | 0 | | 0 |
| 05-05-2024 | | 40 | | 23 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 05-06-2024 | | 41 | | 25 | | 33 | | 0 | | 60.5 | | 44.5 | | 3709.63125 | | 0 | | 928.125 | | 1650 | | 1131.50625 | | 0 | | 0 |
| 05-07-2024 | | 41 | | 24 | | 32.5 | | 0 | | 60 | | 44 | | 3667.95 | | 0 | | 928.125 | | 1650 | | 1089.825 | | 0 | | 0 |
| 05-08-2024 | | 38 | | 25 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 05-09-2024 | | 37 | | 26 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 05-10-2024 | | 38 | | 26 | | 32 | | 0 | | 59.5 | | 43.5 | | 3626.26875 | | 0 | | 928.125 | | 1650 | | 1048.14375 | | 0 | | 0 |
| 05-11-2024 | | 39 | | 24 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 05-12-2024 | | 39 | | 24 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 05-13-2024 | | 40 | | 21 | | 30.5 | | 0 | | 58 | | 42 | | 3501.225 | | 0 | | 928.125 | | 1650 | | 923.1 | | 0 | | 0 |
| 05-14-2024 | | 41 | | 22 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 05-15-2024 | | 42 | | 23 | | 32.5 | | 0 | | 60 | | 44 | | 3667.95 | | 0 | | 928.125 | | 1650 | | 1089.825 | | 0 | | 0 |
| 05-16-2024 | | 42 | | 26 | | 34 | | 0 | | 61.5 | | 45.5 | | 3792.99375 | | 0 | | 928.125 | | 1650 | | 1214.86875 | | 0 | | 0 |
| 05-17-2024 | | 44 | | 27 | | 35.5 | | 0 | | 63 | | 47 | | 3918.0375 | | 0 | | 928.125 | | 1650 | | 1339.9125 | | 0 | | 0 |
| 05-18-2024 | | 45 | | 27 | | 36 | | 0 | | 63.5 | | 47.5 | | 3959.71875 | | 0 | | 928.125 | | 1650 | | 1381.59375 | | 0 | | 0 |
| 05-19-2024 | | 45 | | 27 | | 36 | | 0 | | 63.5 | | 47.5 | | 3959.71875 | | 0 | | 928.125 | | 1650 | | 1381.59375 | | 0 | | 0 |
| 05-20-2024 | | 44 | | 28 | | 36 | | 0 | | 63.5 | | 47.5 | | 3959.71875 | | 0 | | 928.125 | | 1650 | | 1381.59375 | | 0 | | 0 |
| 05-21-2024 | | 44 | | 27 | | 35.5 | | 0 | | 63 | | 47 | | 3918.0375 | | 0 | | 928.125 | | 1650 | | 1339.9125 | | 0 | | 0 |
| 05-22-2024 | | 41 | | 27 | | 34 | | 0 | | 61.5 | | 45.5 | | 3792.99375 | | 0 | | 928.125 | | 1650 | | 1214.86875 | | 0 | | 0 |
| 05-23-2024 | | 40 | | 29 | | 34.5 | | 0 | | 62 | | 46 | | 3834.675 | | 0 | | 928.125 | | 1650 | | 1256.55 | | 0 | | 0 |
| 05-24-2024 | | 42 | | 29 | | 35.5 | | 0 | | 63 | | 47 | | 3918.0375 | | 0 | | 928.125 | | 1650 | | 1339.9125 | | 0 | | 0 |
| 05-25-2024 | | 44 | | 28 | | 36 | | 0 | | 63.5 | | 47.5 | | 3959.71875 | | 0 | | 928.125 | | 1650 | | 1381.59375 | | 0 | | 0 |
| 05-26-2024 | | 46 | | 26 | | 36 | | 0 | | 63.5 | | 47.5 | | 3959.71875 | | 0 | | 928.125 | | 1650 | | 1381.59375 | | 0 | | 0 |
| 05-27-2024 | | 45 | | 28 | | 36.5 | | 0 | | 64 | | 48 | | 4001.4 | | 0 | | 928.125 | | 1650 | | 1423.275 | | 0 | | 0 |
| 05-28-2024 | | 47 | | 26 | | 36.5 | | 0 | | 64 | | 48 | | 4001.4 | | 0 | | 928.125 | | 1650 | | 1423.275 | | 0 | | 0 |
| 05-29-2024 | | 46 | | 26 | | 36 | | 0 | | 63.5 | | 47.5 | | 3959.71875 | | 0 | | 928.125 | | 1650 | | 1381.59375 | | 0 | | 0 |
| 05-30-2024 | | 46 | | 21 | | 33.5 | | 0 | | 61 | | 45 | | 3751.3125 | | 0 | | 928.125 | | 1650 | | 1173.1875 | | 0 | | 0 |
| 05-31-2024 | | 46 | | 28 | | 37 | | 0 | | 64.5 | | 48.5 | | 4043.08125 | | 0 | | 928.125 | | 1650 | | 1464.95625 | | 0 | | 0 |
| 06-01-2024 | | 45 | | 29 | | 37 | | 0 | | 64.5 | | 48.5 | | 4043.08125 | | 0 | | 928.125 | | 1650 | | 1464.95625 | | 0 | | 0 |
| 06-02-2024 | | 43 | | 26 | | 34.5 | | 0 | | 62 | | 46 | | 3834.675 | | 0 | | 928.125 | | 1650 | | 1256.55 | | 0 | | 0 |
| 06-03-2024 | | 45 | | 30 | | 37.5 | | 0 | | 65 | | 49 | | 4084.7625 | | 0 | | 928.125 | | 1650 | | 1506.6375 | | 0 | | 0 |
| 06-04-2024 | | 44 | | 28 | | 36 | | 0 | | 63.5 | | 47.5 | | 3959.71875 | | 0 | | 928.125 | | 1650 | | 1381.59375 | | 0 | | 0 |
| 06-05-2024 | | 43 | | 24 | | 33.5 | | 0 | | 61 | | 45 | | 3751.3125 | | 0 | | 928.125 | | 1650 | | 1173.1875 | | 0 | | 0 |
| 06-06-2024 | | 40 | | 23 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 06-07-2024 | | 41 | | 26 | | 33.5 | | 0 | | 61 | | 45 | | 3751.3125 | | 0 | | 928.125 | | 1650 | | 1173.1875 | | 0 | | 0 |
| 06-08-2024 | | 41 | | 27 | | 34 | | 0 | | 61.5 | </td | | | | | | | | | | | | | | | |

| Date | # | Max Temperarure | # | Min Temperature | # | Average Temperature | # | heating degree day | # | Sol air temperature(Ts) | # | Delta T(Ts-16) | # | Qc | # | Qv | # | Qs | # | Qi | # | Qm(W) | # | Qm(KW) | # | Qm(KW) after roundingup |
|------------|---|-----------------|---|-----------------|---|---------------------|---|--------------------|---|-------------------------|---|----------------|---|------------|---|----|---|---------|---|------|---|------------|---|--------|---|-------------------------|
| 06-09-2024 | | 43 | | 26 | | 34.5 | | 0 | | 62 | | 46 | | 3834.675 | | 0 | | 928.125 | | 1650 | | 1256.55 | | 0 | | 0 |
| 06-10-2024 | | 44 | | 26 | | 35 | | 0 | | 62.5 | | 46.5 | | 3876.35625 | | 0 | | 928.125 | | 1650 | | 1298.23125 | | 0 | | 0 |
| 06-11-2024 | | 45 | | 26 | | 35.5 | | 0 | | 63 | | 47 | | 3918.0375 | | 0 | | 928.125 | | 1650 | | 1339.9125 | | 0 | | 0 |
| 06-12-2024 | | 45 | | 27 | | 36 | | 0 | | 63.5 | | 47.5 | | 3959.71875 | | 0 | | 928.125 | | 1650 | | 1381.59375 | | 0 | | 0 |
| 06-13-2024 | | 46 | | 28 | | 37 | | 0 | | 64.5 | | 48.5 | | 4043.08125 | | 0 | | 928.125 | | 1650 | | 1464.95625 | | 0 | | 0 |
| 06-14-2024 | | 45 | | 29 | | 37 | | 0 | | 64.5 | | 48.5 | | 4043.08125 | | 0 | | 928.125 | | 1650 | | 1464.95625 | | 0 | | 0 |
| 06-15-2024 | | 45 | | 32 | | 38.5 | | 0 | | 66 | | 50 | | 4168.125 | | 0 | | 928.125 | | 1650 | | 1590 | | 0 | | 0 |
| 06-16-2024 | | 46 | | 31 | | 38.5 | | 0 | | 66 | | 50 | | 4168.125 | | 0 | | 928.125 | | 1650 | | 1590 | | 0 | | 0 |
| 06-17-2024 | | 45 | | 31 | | 38 | | 0 | | 65.5 | | 49.5 | | 4126.44375 | | 0 | | 928.125 | | 1650 | | 1548.31875 | | 0 | | 0 |
| 06-18-2024 | | 45 | | 30 | | 37.5 | | 0 | | 65 | | 49 | | 4084.7625 | | 0 | | 928.125 | | 1650 | | 1506.6375 | | 0 | | 0 |
| 06-19-2024 | | 43 | | 28 | | 35.5 | | 0 | | 63 | | 47 | | 3918.0375 | | 0 | | 928.125 | | 1650 | | 1339.9125 | | 0 | | 0 |
| 06-20-2024 | | 37 | | 24 | | 30.5 | | 0 | | 58 | | 42 | | 3501.225 | | 0 | | 928.125 | | 1650 | | 923.1 | | 0 | | 0 |
| 06-21-2024 | | 38 | | 27 | | 32.5 | | 0 | | 60 | | 44 | | 3667.95 | | 0 | | 928.125 | | 1650 | | 1089.825 | | 0 | | 0 |
| 06-22-2024 | | 40 | | 27 | | 33.5 | | 0 | | 61 | | 45 | | 3751.3125 | | 0 | | 928.125 | | 1650 | | 1173.1875 | | 0 | | 0 |
| 06-23-2024 | | 40 | | 29 | | 34.5 | | 0 | | 62 | | 46 | | 3834.675 | | 0 | | 928.125 | | 1650 | | 1256.55 | | 0 | | 0 |
| 06-24-2024 | | 40 | | 29 | | 34.5 | | 0 | | 62 | | 46 | | 3834.675 | | 0 | | 928.125 | | 1650 | | 1256.55 | | 0 | | 0 |
| 06-25-2024 | | 40 | | 28 | | 34 | | 0 | | 61.5 | | 45.5 | | 3792.99375 | | 0 | | 928.125 | | 1650 | | 1214.86875 | | 0 | | 0 |
| 06-26-2024 | | 35 | | 25 | | 30 | | 0 | | 57.5 | | 41.5 | | 3459.54375 | | 0 | | 928.125 | | 1650 | | 881.41875 | | 0 | | 0 |
| 06-27-2024 | | 34 | | 28 | | 31 | | 0 | | 58.5 | | 42.5 | | 3542.90625 | | 0 | | 928.125 | | 1650 | | 964.78125 | | 0 | | 0 |
| 06-28-2024 | | 36 | | 28 | | 32 | | 0 | | 59.5 | | 43.5 | | 3626.26875 | | 0 | | 928.125 | | 1650 | | 1048.14375 | | 0 | | 0 |
| 06-29-2024 | | 38 | | 29 | | 33.5 | | 0 | | 61 | | 45 | | 3751.3125 | | 0 | | 928.125 | | 1650 | | 1173.1875 | | 0 | | 0 |
| 06-30-2024 | | 37 | | 28 | | 32.5 | | 0 | | 60 | | 44 | | 3667.95 | | 0 | | 928.125 | | 1650 | | 1089.825 | | 0 | | 0 |
| 07-01-2024 | | 35 | | 29 | | 32 | | 0 | | 59.5 | | 43.5 | | 3626.26875 | | 0 | | 928.125 | | 1650 | | 1048.14375 | | 0 | | 0 |
| 07-02-2024 | | 37 | | 30 | | 33.5 | | 0 | | 61 | | 45 | | 3751.3125 | | 0 | | 928.125 | | 1650 | | 1173.1875 | | 0 | | 0 |
| 07-03-2024 | | 34 | | 27 | | 30.5 | | 0 | | 58 | | 42 | | 3501.225 | | 0 | | 928.125 | | 1650 | | 923.1 | | 0 | | 0 |
| 07-04-2024 | | 34 | | 26 | | 30 | | 0 | | 57.5 | | 41.5 | | 3459.54375 | | 0 | | 928.125 | | 1650 | | 881.41875 | | 0 | | 0 |
| 07-05-2024 | | 35 | | 28 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 07-06-2024 | | 32 | | 25 | | 28.5 | | 0 | | 56 | | 40 | | 3334.5 | | 0 | | 928.125 | | 1650 | | 756.375 | | 0 | | 0 |
| 07-07-2024 | | 35 | | 26 | | 30.5 | | 0 | | 58 | | 42 | | 3501.225 | | 0 | | 928.125 | | 1650 | | 923.1 | | 0 | | 0 |
| 07-08-2024 | | 34 | | 27 | | 30.5 | | 0 | | 58 | | 42 | | 3501.225 | | 0 | | 928.125 | | 1650 | | 923.1 | | 0 | | 0 |
| 07-09-2024 | | 36 | | 27 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 07-10-2024 | | 38 | | 29 | | 33.5 | | 0 | | 61 | | 45 | | 3751.3125 | | 0 | | 928.125 | | 1650 | | 1173.1875 | | 0 | | 0 |
| 07-11-2024 | | 39 | | 29 | | 34 | | 0 | | 61.5 | | 45.5 | | 3792.99375 | | 0 | | 928.125 | | 1650 | | 1214.86875 | | 0 | | 0 |
| 07-12-2024 | | 34 | | 28 | | 31 | | 0 | | 58.5 | | 42.5 | | 3542.90625 | | 0 | | 928.125 | | 1650 | | 964.78125 | | 0 | | 0 |
| 07-13-2024 | | 37 | | 27 | | 32 | | 0 | | 59.5 | | 43.5 | | 3626.26875 | | 0 | | 928.125 | | 1650 | | 1048.14375 | | 0 | | 0 |
| 07-14-2024 | | 38 | | 28 | | 33 | | 0 | | 60.5 | | 44.5 | | 3709.63125 | | 0 | | 928.125 | | 1650 | | 1131.50625 | | 0 | | 0 |
| 07-15-2024 | | 37 | | 30 | | 33.5 | | 0 | | 61 | | 45 | | 3751.3125 | | 0 | | 928.125 | | 1650 | | 1173.1875 | | 0 | | 0 |
| 07-16-2024 | | 38 | | 30 | | 34 | | 0 | | 61.5 | | 45.5 | | 3792.99375 | | 0 | | 928.125 | | 1650 | | 1214.86875 | | 0 | | 0 |
| 07-17-2024 | | 32 | | 25 | | 28.5 | | 0 | | 56 | | 40 | | 3334.5 | | 0 | | 928.125 | | 1650 | | 756.375 | | 0 | | 0 |
| 07-18-2024 | | 37 | | 28 | | 32.5 | | 0 | | 60 | | 44 | | | | | | | | | | | | | | |

| Date | # | Max Temperarure | # | Min Temperature | # | Average Temperature | # | heating degree day | # | Sol air temperature(Ts) | # | Delta T(Ts-16) | # | Qc | # | Qv | # | Qs | # | Qi | # | Qm(W) | # | Qm(KW) | # | Qm(KW) after roundingup |
|------------|---|-----------------|---|-----------------|---|---------------------|---|--------------------|---|-------------------------|---|----------------|---|------------|---|----|---|---------|---|------|---|------------|---|--------|---|-------------------------|
| 07-19-2024 | | 37 | | 28 | | 32.5 | | 0 | | 60 | | 44 | | 3667.95 | | 0 | | 928.125 | | 1650 | | 1089.825 | | 0 | | 0 |
| 07-20-2024 | | 36 | | 29 | | 32.5 | | 0 | | 60 | | 44 | | 3667.95 | | 0 | | 928.125 | | 1650 | | 1089.825 | | 0 | | 0 |
| 07-21-2024 | | 37 | | 30 | | 33.5 | | 0 | | 61 | | 45 | | 3751.3125 | | 0 | | 928.125 | | 1650 | | 1173.1875 | | 0 | | 0 |
| 07-22-2024 | | 33 | | 29 | | 31 | | 0 | | 58.5 | | 42.5 | | 3542.90625 | | 0 | | 928.125 | | 1650 | | 964.78125 | | 0 | | 0 |
| 07-23-2024 | | 34 | | 28 | | 31 | | 0 | | 58.5 | | 42.5 | | 3542.90625 | | 0 | | 928.125 | | 1650 | | 964.78125 | | 0 | | 0 |
| 07-24-2024 | | 35 | | 29 | | 32 | | 0 | | 59.5 | | 43.5 | | 3626.26875 | | 0 | | 928.125 | | 1650 | | 1048.14375 | | 0 | | 0 |
| 07-25-2024 | | 36 | | 29 | | 32.5 | | 0 | | 60 | | 44 | | 3667.95 | | 0 | | 928.125 | | 1650 | | 1089.825 | | 0 | | 0 |
| 07-26-2024 | | 36 | | 29 | | 32.5 | | 0 | | 60 | | 44 | | 3667.95 | | 0 | | 928.125 | | 1650 | | 1089.825 | | 0 | | 0 |
| 07-27-2024 | | 35 | | 28 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 07-28-2024 | | 38 | | 28 | | 33 | | 0 | | 60.5 | | 44.5 | | 3709.63125 | | 0 | | 928.125 | | 1650 | | 1131.50625 | | 0 | | 0 |
| 07-29-2024 | | 38 | | 29 | | 33.5 | | 0 | | 61 | | 45 | | 3751.3125 | | 0 | | 928.125 | | 1650 | | 1173.1875 | | 0 | | 0 |
| 07-30-2024 | | 36 | | 30 | | 33 | | 0 | | 60.5 | | 44.5 | | 3709.63125 | | 0 | | 928.125 | | 1650 | | 1131.50625 | | 0 | | 0 |
| 07-31-2024 | | 39 | | 30 | | 34.5 | | 0 | | 62 | | 46 | | 3834.675 | | 0 | | 928.125 | | 1650 | | 1256.55 | | 0 | | 0 |
| 08-01-2024 | | 32 | | 25 | | 28.5 | | 0 | | 56 | | 40 | | 3334.5 | | 0 | | 928.125 | | 1650 | | 756.375 | | 0 | | 0 |
| 08-02-2024 | | 34 | | 28 | | 31 | | 0 | | 58.5 | | 42.5 | | 3542.90625 | | 0 | | 928.125 | | 1650 | | 964.78125 | | 0 | | 0 |
| 08-03-2024 | | 34 | | 28 | | 31 | | 0 | | 58.5 | | 42.5 | | 3542.90625 | | 0 | | 928.125 | | 1650 | | 964.78125 | | 0 | | 0 |
| 08-04-2024 | | 35 | | 28 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 08-05-2024 | | 35 | | 28 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 08-06-2024 | | 35 | | 28 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 08-07-2024 | | 32 | | 27 | | 29.5 | | 0 | | 57 | | 41 | | 3417.8625 | | 0 | | 928.125 | | 1650 | | 839.7375 | | 0 | | 0 |
| 08-08-2024 | | 34 | | 27 | | 30.5 | | 0 | | 58 | | 42 | | 3501.225 | | 0 | | 928.125 | | 1650 | | 923.1 | | 0 | | 0 |
| 08-09-2024 | | 35 | | 27 | | 31 | | 0 | | 58.5 | | 42.5 | | 3542.90625 | | 0 | | 928.125 | | 1650 | | 964.78125 | | 0 | | 0 |
| 08-10-2024 | | 33 | | 26 | | 29.5 | | 0 | | 57 | | 41 | | 3417.8625 | | 0 | | 928.125 | | 1650 | | 839.7375 | | 0 | | 0 |
| 08-11-2024 | | 30 | | 24 | | 27 | | 0 | | 54.5 | | 38.5 | | 3209.45625 | | 0 | | 928.125 | | 1650 | | 631.33125 | | 0 | | 0 |
| 08-12-2024 | | 33 | | 24 | | 28.5 | | 0 | | 56 | | 40 | | 3334.5 | | 0 | | 928.125 | | 1650 | | 756.375 | | 0 | | 0 |
| 08-13-2024 | | 34 | | 27 | | 30.5 | | 0 | | 58 | | 42 | | 3501.225 | | 0 | | 928.125 | | 1650 | | 923.1 | | 0 | | 0 |
| 08-14-2024 | | 34 | | 27 | | 30.5 | | 0 | | 58 | | 42 | | 3501.225 | | 0 | | 928.125 | | 1650 | | 923.1 | | 0 | | 0 |
| 08-15-2024 | | 32 | | 25 | | 28.5 | | 0 | | 56 | | 40 | | 3334.5 | | 0 | | 928.125 | | 1650 | | 756.375 | | 0 | | 0 |
| 08-16-2024 | | 35 | | 28 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 08-17-2024 | | 35 | | 27 | | 31 | | 0 | | 58.5 | | 42.5 | | 3542.90625 | | 0 | | 928.125 | | 1650 | | 964.78125 | | 0 | | 0 |
| 08-18-2024 | | 35 | | 27 | | 31 | | 0 | | 58.5 | | 42.5 | | 3542.90625 | | 0 | | 928.125 | | 1650 | | 964.78125 | | 0 | | 0 |
| 08-19-2024 | | 35 | | 27 | | 31 | | 0 | | 58.5 | | 42.5 | | 3542.90625 | | 0 | | 928.125 | | 1650 | | 964.78125 | | 0 | | 0 |
| 08-20-2024 | | 31 | | 27 | | 29 | | 0 | | 56.5 | | 40.5 | | 3376.18125 | | 0 | | 928.125 | | 1650 | | 798.05625 | | 0 | | 0 |
| 08-21-2024 | | 36 | | 26 | | 31 | | 0 | | 58.5 | | 42.5 | | 3542.90625 | | 0 | | 928.125 | | 1650 | | 964.78125 | | 0 | | 0 |
| 08-22-2024 | | 36 | | 27 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 08-23-2024 | | 34 | | 24 | | 29 | | 0 | | 56.5 | | 40.5 | | 3376.18125 | | 0 | | 928.125 | | 1650 | | 798.05625 | | 0 | | 0 |
| 08-24-2024 | | 35 | | 28 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 08-25-2024 | | 36 | | 27 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 08-26-2024 | | 35 | | 26 | | 30.5 | | 0 | | 58 | | 42 | | 3501.225 | | 0 | | 928.125 | | 1650 | | 923.1 | | 0 | | 0 |
| 08-27-2024 | | 35 | | 24 | | 29.5 | | 0 | | 57 | | 41 | | 3417.8 | | | | | | | | | | | | |

| Date | # | Max Temperarure | # | Min Temperature | # | Average Temperature | # | heating degree day | # | Sol air temperature(Ts) | # | Delta T(Ts-16) | # | Qc | # | Qv | # | Qs | # | Qi | # | Qm(W) | # | Qm(KW) | # | Qm(KW) after roundingup |
|------------|---|-----------------|---|-----------------|---|---------------------|---|--------------------|---|-------------------------|---|----------------|---|------------|---|----|---|---------|---|------|---|------------|---|--------|---|-------------------------|
| 08-28-2024 | | 34 | | 24 | | 29 | | 0 | | 56.5 | | 40.5 | | 3376.18125 | | 0 | | 928.125 | | 1650 | | 798.05625 | | 0 | | 0 |
| 08-29-2024 | | 28 | | 25 | | 26.5 | | 0 | | 54 | | 38 | | 3167.775 | | 0 | | 928.125 | | 1650 | | 589.65 | | 0 | | 0 |
| 08-30-2024 | | 36 | | 26 | | 31 | | 0 | | 58.5 | | 42.5 | | 3542.90625 | | 0 | | 928.125 | | 1650 | | 964.78125 | | 0 | | 0 |
| 08-31-2024 | | 36 | | 27 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 09-01-2024 | | 36 | | 27 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 09-02-2024 | | 33 | | 27 | | 30 | | 0 | | 57.5 | | 41.5 | | 3459.54375 | | 0 | | 928.125 | | 1650 | | 881.41875 | | 0 | | 0 |
| 09-03-2024 | | 35 | | 25 | | 30 | | 0 | | 57.5 | | 41.5 | | 3459.54375 | | 0 | | 928.125 | | 1650 | | 881.41875 | | 0 | | 0 |
| 09-04-2024 | | 30 | | 24 | | 27 | | 0 | | 54.5 | | 38.5 | | 3209.45625 | | 0 | | 928.125 | | 1650 | | 631.33125 | | 0 | | 0 |
| 09-05-2024 | | 33 | | 25 | | 29 | | 0 | | 56.5 | | 40.5 | | 3376.18125 | | 0 | | 928.125 | | 1650 | | 798.05625 | | 0 | | 0 |
| 09-06-2024 | | 34 | | 26 | | 30 | | 0 | | 57.5 | | 41.5 | | 3459.54375 | | 0 | | 928.125 | | 1650 | | 881.41875 | | 0 | | 0 |
| 09-07-2024 | | 29 | | 25 | | 27 | | 0 | | 54.5 | | 38.5 | | 3209.45625 | | 0 | | 928.125 | | 1650 | | 631.33125 | | 0 | | 0 |
| 09-08-2024 | | 33 | | 26 | | 29.5 | | 0 | | 57 | | 41 | | 3417.8625 | | 0 | | 928.125 | | 1650 | | 839.7375 | | 0 | | 0 |
| 09-09-2024 | | 36 | | 27 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 09-10-2024 | | 33 | | 27 | | 30 | | 0 | | 57.5 | | 41.5 | | 3459.54375 | | 0 | | 928.125 | | 1650 | | 881.41875 | | 0 | | 0 |
| 09-11-2024 | | 35 | | 26 | | 30.5 | | 0 | | 58 | | 42 | | 3501.225 | | 0 | | 928.125 | | 1650 | | 923.1 | | 0 | | 0 |
| 09-12-2024 | | 32 | | 26 | | 29 | | 0 | | 56.5 | | 40.5 | | 3376.18125 | | 0 | | 928.125 | | 1650 | | 798.05625 | | 0 | | 0 |
| 09-13-2024 | | 32 | | 24 | | 28 | | 0 | | 55.5 | | 39.5 | | 3292.81875 | | 0 | | 928.125 | | 1650 | | 714.69375 | | 0 | | 0 |
| 09-14-2024 | | 33 | | 23 | | 28 | | 0 | | 55.5 | | 39.5 | | 3292.81875 | | 0 | | 928.125 | | 1650 | | 714.69375 | | 0 | | 0 |
| 09-15-2024 | | 34 | | 24 | | 29 | | 0 | | 56.5 | | 40.5 | | 3376.18125 | | 0 | | 928.125 | | 1650 | | 798.05625 | | 0 | | 0 |
| 09-16-2024 | | 35 | | 24 | | 29.5 | | 0 | | 57 | | 41 | | 3417.8625 | | 0 | | 928.125 | | 1650 | | 839.7375 | | 0 | | 0 |
| 09-17-2024 | | 35 | | 26 | | 30.5 | | 0 | | 58 | | 42 | | 3501.225 | | 0 | | 928.125 | | 1650 | | 923.1 | | 0 | | 0 |
| 09-18-2024 | | 32 | | 25 | | 28.5 | | 0 | | 56 | | 40 | | 3334.5 | | 0 | | 928.125 | | 1650 | | 756.375 | | 0 | | 0 |
| 09-19-2024 | | 35 | | 25 | | 30 | | 0 | | 57.5 | | 41.5 | | 3459.54375 | | 0 | | 928.125 | | 1650 | | 881.41875 | | 0 | | 0 |
| 09-20-2024 | | 36 | | 23 | | 29.5 | | 0 | | 57 | | 41 | | 3417.8625 | | 0 | | 928.125 | | 1650 | | 839.7375 | | 0 | | 0 |
| 09-21-2024 | | 36 | | 26 | | 31 | | 0 | | 58.5 | | 42.5 | | 3542.90625 | | 0 | | 928.125 | | 1650 | | 964.78125 | | 0 | | 0 |
| 09-22-2024 | | 36 | | 26 | | 31 | | 0 | | 58.5 | | 42.5 | | 3542.90625 | | 0 | | 928.125 | | 1650 | | 964.78125 | | 0 | | 0 |
| 09-23-2024 | | 37 | | 26 | | 31.5 | | 0 | | 59 | | 43 | | 3584.5875 | | 0 | | 928.125 | | 1650 | | 1006.4625 | | 0 | | 0 |
| 09-24-2024 | | 37 | | 28 | | 32.5 | | 0 | | 60 | | 44 | | 3667.95 | | 0 | | 928.125 | | 1650 | | 1089.825 | | 0 | | 0 |
| 09-25-2024 | | 36 | | 28 | | 32 | | 0 | | 59.5 | | 43.5 | | 3626.26875 | | 0 | | 928.125 | | 1650 | | 1048.14375 | | 0 | | 0 |
| 09-26-2024 | | 30 | | 26 | | 28 | | 0 | | 55.5 | | 39.5 | | 3292.81875 | | 0 | | 928.125 | | 1650 | | 714.69375 | | 0 | | 0 |
| 09-27-2024 | | 34 | | 25 | | 29.5 | | 0 | | 57 | | 41 | | 3417.8625 | | 0 | | 928.125 | | 1650 | | 839.7375 | | 0 | | 0 |
| 09-28-2024 | | 33 | | 24 | | 28.5 | | 0 | | 56 | | 40 | | 3334.5 | | 0 | | 928.125 | | 1650 | | 756.375 | | 0 | | 0 |
| 09-29-2024 | | 34 | | 25 | | 29.5 | | 0 | | 57 | | 41 | | 3417.8625 | | 0 | | 928.125 | | 1650 | | 839.7375 | | 0 | | 0 |
| 09-30-2024 | | 34 | | 24 | | 29 | | 0 | | 56.5 | | 40.5 | | 3376.18125 | | 0 | | 928.125 | | 1650 | | 798.05625 | | 0 | | 0 |
| 10-01-2024 | | 36 | | 25 | | 30.5 | | 0 | | 58 | | 42 | | 3501.225 | | 0 | | 928.125 | | 1650 | | 923.1 | | 0 | | 0 |
| 10-02-2024 | | 36 | | 25 | | 30.5 | | 0 | | 58 | | 42 | | 3501.225 | | 0 | | 928.125 | | 1650 | | 923.1 | | 0 | | 0 |
| 10-03-2024 | | 36 | | 24 | | 30 | | 0 | | 57.5 | | 41.5 | | 3459.54375 | | 0 | | 928.125 | | 1650 | | 881.41875 | | 0 | | 0 |
| 10-04-2024 | | 37 | | 24 | | 30.5 | | 0 | | 58 | | 42 | | 3501.225 | | 0 | | 928.125 | | 1650 | | 923.1 | | 0 | | 0 |
| 10-05-2024 | | 36 | | 24 | | 30 | | 0 | | 57.5 | | 41.5 | | 3459.54375 | | 0 | | 928.125 | | 1650 | | 881.41875 | | 0 | | 0 |
| 10-06-2024 | | 36 | | 21 | | 28.5 | | 0 | | 56 | | | | | | | | | | | | | | | | |

| Date | # | Max Temperarure | # | Min Temperature | # | Average Temperature | # | heating degree day | # | Sol air temperature(Ts) | # | Delta T(Ts-16) | # | Qc | # | Qv | # | Qs | # | Qi | # | Qm(W) | # | Qm(KW) | # | Qm(KW) after roundingup |
|------------|---|-----------------|---|-----------------|---|---------------------|---|--------------------|---|-------------------------|---|----------------|---|------------|---|----|---|---------|---|------|---|-----------|---|--------|---|-------------------------|
| 10-07-2024 | | 35 | | 21 | | 28 | | 0 | | 55.5 | | 39.5 | | 3292.81875 | | 0 | | 928.125 | | 1650 | | 714.69375 | | 0 | | 0 |
| 10-08-2024 | | 35 | | 21 | | 28 | | 0 | | 55.5 | | 39.5 | | 3292.81875 | | 0 | | 928.125 | | 1650 | | 714.69375 | | 0 | | 0 |
| 10-09-2024 | | 35 | | 21 | | 28 | | 0 | | 55.5 | | 39.5 | | 3292.81875 | | 0 | | 928.125 | | 1650 | | 714.69375 | | 0 | | 0 |
| 10-10-2024 | | 34 | | 20 | | 27 | | 0 | | 54.5 | | 38.5 | | 3209.45625 | | 0 | | 928.125 | | 1650 | | 631.33125 | | 0 | | 0 |
| 10-11-2024 | | 34 | | 19 | | 26.5 | | 0 | | 54 | | 38 | | 3167.775 | | 0 | | 928.125 | | 1650 | | 589.65 | | 0 | | 0 |
| 10-12-2024 | | 35 | | 19 | | 27 | | 0 | | 54.5 | | 38.5 | | 3209.45625 | | 0 | | 928.125 | | 1650 | | 631.33125 | | 0 | | 0 |
| 10-13-2024 | | 34 | | 19 | | 26.5 | | 0 | | 54 | | 38 | | 3167.775 | | 0 | | 928.125 | | 1650 | | 589.65 | | 0 | | 0 |
| 10-14-2024 | | 34 | | 20 | | 27 | | 0 | | 54.5 | | 38.5 | | 3209.45625 | | 0 | | 928.125 | | 1650 | | 631.33125 | | 0 | | 0 |
| 10-15-2024 | | 34 | | 19 | | 26.5 | | 0 | | 54 | | 38 | | 3167.775 | | 0 | | 928.125 | | 1650 | | 589.65 | | 0 | | 0 |
| 10-16-2024 | | 34 | | 19 | | 26.5 | | 0 | | 54 | | 38 | | 3167.775 | | 0 | | 928.125 | | 1650 | | 589.65 | | 0 | | 0 |
| 10-17-2024 | | 35 | | 20 | | 27.5 | | 0 | | 55 | | 39 | | 3251.1375 | | 0 | | 928.125 | | 1650 | | 673.0125 | | 0 | | 0 |
| 10-18-2024 | | 35 | | 20 | | 27.5 | | 0 | | 55 | | 39 | | 3251.1375 | | 0 | | 928.125 | | 1650 | | 673.0125 | | 0 | | 0 |
| 10-19-2024 | | 34 | | 20 | | 27 | | 0 | | 54.5 | | 38.5 | | 3209.45625 | | 0 | | 928.125 | | 1650 | | 631.33125 | | 0 | | 0 |
| 10-20-2024 | | 33 | | 19 | | 26 | | 0 | | 53.5 | | 37.5 | | 3126.09375 | | 0 | | 928.125 | | 1650 | | 547.96875 | | 0 | | 0 |
| 10-21-2024 | | 33 | | 19 | | 26 | | 0 | | 53.5 | | 37.5 | | 3126.09375 | | 0 | | 928.125 | | 1650 | | 547.96875 | | 0 | | 0 |
| 10-22-2024 | | 33 | | 19 | | 26 | | 0 | | 53.5 | | 37.5 | | 3126.09375 | | 0 | | 928.125 | | 1650 | | 547.96875 | | 0 | | 0 |
| 10-23-2024 | | 33 | | 20 | | 26.5 | | 0 | | 54 | | 38 | | 3167.775 | | 0 | | 928.125 | | 1650 | | 589.65 | | 0 | | 0 |
| 10-24-2024 | | 35 | | 18 | | 26.5 | | 0 | | 54 | | 38 | | 3167.775 | | 0 | | 928.125 | | 1650 | | 589.65 | | 0 | | 0 |
| 10-25-2024 | | 35 | | 17 | | 26 | | 0 | | 53.5 | | 37.5 | | 3126.09375 | | 0 | | 928.125 | | 1650 | | 547.96875 | | 0 | | 0 |
| 10-26-2024 | | 34 | | 17 | | 25.5 | | 0 | | 53 | | 37 | | 3084.4125 | | 0 | | 928.125 | | 1650 | | 506.2875 | | 0 | | 0 |
| 10-27-2024 | | 32 | | 19 | | 25.5 | | 0 | | 53 | | 37 | | 3084.4125 | | 0 | | 928.125 | | 1650 | | 506.2875 | | 0 | | 0 |
| 10-28-2024 | | 33 | | 21 | | 27 | | 0 | | 54.5 | | 38.5 | | 3209.45625 | | 0 | | 928.125 | | 1650 | | 631.33125 | | 0 | | 0 |
| 10-29-2024 | | 34 | | 20 | | 27 | | 0 | | 54.5 | | 38.5 | | 3209.45625 | | 0 | | 928.125 | | 1650 | | 631.33125 | | 0 | | 0 |
| 10-30-2024 | | 34 | | 20 | | 27 | | 0 | | 54.5 | | 38.5 | | 3209.45625 | | 0 | | 928.125 | | 1650 | | 631.33125 | | 0 | | 0 |
| 10-31-2024 | | 34 | | 18 | | 26 | | 0 | | 53.5 | | 37.5 | | 3126.09375 | | 0 | | 928.125 | | 1650 | | 547.96875 | | 0 | | 0 |
| 11-01-2024 | | 35 | | 18 | | 26.5 | | 0 | | 54 | | 38 | | 3167.775 | | 0 | | 928.125 | | 1650 | | 589.65 | | 0 | | 0 |
| 11-02-2024 | | 33 | | 15 | | 24 | | 0 | | 51.5 | | 35.5 | | 2959.36875 | | 0 | | 928.125 | | 1650 | | 381.24375 | | 0 | | 0 |
| 11-03-2024 | | 33 | | 15 | | 24 | | 0 | | 51.5 | | 35.5 | | 2959.36875 | | 0 | | 928.125 | | 1650 | | 381.24375 | | 0 | | 0 |
| 11-04-2024 | | 33 | | 16 | | 24.5 | | 0 | | 52 | | 36 | | 3001.05 | | 0 | | 928.125 | | 1650 | | 422.925 | | 0 | | 0 |
| 11-05-2024 | | 31 | | 16 | | 23.5 | | 0 | | 51 | | 35 | | 2917.6875 | | 0 | | 928.125 | | 1650 | | 339.5625 | | 0 | | 0 |
| 11-06-2024 | | 31 | | 17 | | 24 | | 0 | | 51.5 | | 35.5 | | 2959.36875 | | 0 | | 928.125 | | 1650 | | 381.24375 | | 0 | | 0 |
| 11-07-2024 | | 30 | | 19 | | 24.5 | | 0 | | 52 | | 36 | | 3001.05 | | 0 | | 928.125 | | 1650 | | 422.925 | | 0 | | 0 |
| 11-08-2024 | | 30 | | 18 | | 24 | | 0 | | 51.5 | | 35.5 | | 2959.36875 | | 0 | | 928.125 | | 1650 | | 381.24375 | | 0 | | 0 |
| 11-09-2024 | | 29 | | 19 | | 24 | | 0 | | 51.5 | | 35.5 | | 2959.36875 | | 0 | | 928.125 | | 1650 | | 381.24375 | | 0 | | 0 |
| 11-10-2024 | | 29 | | 18 | | 23.5 | | 0 | | 51 | | 35 | | 2917.6875 | | 0 | | 928.125 | | 1650 | | 339.5625 | | 0 | | 0 |
| 11-11-2024 | | 28 | | 18 | | 23 | | 0 | | 50.5 | | 34.5 | | 2876.00625 | | 0 | | 928.125 | | 1650 | | 297.88125 | | 0 | | 0 |
| 11-12-2024 | | 29 | | 18 | | 23.5 | | 0 | | 51 | | 35 | | 2917.6875 | | 0 | | 928.125 | | 1650 | | 339.5625 | | 0 | | 0 |
| 11-13-2024 | | 22 | | 17 | | 19.5 | | 0 | | 47 | | 31 | | 2584.2375 | | 0 | | 928.125 | | 1650 | | 6.1125 | | 0 | | 0 |
| 11-14-2024 | | 24 | | 16 | | 20 | | 0 | | 47.5 | | 31.5 | | 2625.91875 | | 0 | | 928.125 | | 1650 | | 47.79375 | | 0 | | 0 |
| 11-15-2024 | | 25 | | 16 | | 20.5 | | 0 | | 48 | | | | | | | | | | | | | | | | |

| Date | # | Max Temperarure | # | Min Temperature | # | Average Temperature | # | heating degree day | # | Sol air temperature(Ts) | # | Delta T(Ts-16) | # | Qc | # | Qv | # | Qs | # | Qi | # | Qm(W) | # | Qm(KW) | # | Qm(KW) after roundingup |
|------------|---|-----------------|---|-----------------|---|---------------------|---|--------------------|---|-------------------------|---|----------------|---|------------|---|-------|---|---------|---|------|---|------------|---|-------------|---|-------------------------|
| 11-16-2024 | | 27 | | 14 | | 20.5 | | 0 | | 48 | | 32 | | 2667.6 | | 0 | | 928.125 | | 1650 | | 89.475 | | 0 | | 0 |
| 11-17-2024 | | 24 | | 14 | | 19 | | 0 | | 46.5 | | 30.5 | | 2542.55625 | | 0 | | 928.125 | | 1650 | | -35.56875 | | 0 | | 0 |
| 11-18-2024 | | 25 | | 13 | | 19 | | 0 | | 46.5 | | 30.5 | | 2542.55625 | | 0 | | 928.125 | | 1650 | | -35.56875 | | 0 | | 0 |
| 11-19-2024 | | 27 | | 10 | | 18.5 | | 0 | | 46 | | 30 | | 2500.875 | | 0 | | 928.125 | | 1650 | | -77.25 | | 0 | | 0 |
| 11-20-2024 | | 28 | | 10 | | 19 | | 0 | | 46.5 | | 30.5 | | 2542.55625 | | 0 | | 928.125 | | 1650 | | -35.56875 | | 0 | | 0 |
| 11-21-2024 | | 28 | | 10 | | 19 | | 0 | | 46.5 | | 30.5 | | 2542.55625 | | 0 | | 928.125 | | 1650 | | -35.56875 | | 0 | | 0 |
| 11-22-2024 | | 28 | | 10 | | 19 | | 0 | | 46.5 | | 30.5 | | 2542.55625 | | 0 | | 928.125 | | 1650 | | -35.56875 | | 0 | | 0 |
| 11-23-2024 | | 26 | | 11 | | 18.5 | | 0 | | 46 | | 30 | | 2500.875 | | 0 | | 928.125 | | 1650 | | -77.25 | | 0 | | 0 |
| 11-24-2024 | | 29 | | 12 | | 20.5 | | 0 | | 48 | | 32 | | 2667.6 | | 0 | | 928.125 | | 1650 | | 89.475 | | 0 | | 0 |
| 11-25-2024 | | 26 | | 13 | | 19.5 | | 0 | | 47 | | 31 | | 2584.2375 | | 0 | | 928.125 | | 1650 | | 6.1125 | | 0 | | 0 |
| 11-26-2024 | | 27 | | 10 | | 18.5 | | 0 | | 46 | | 30 | | 2500.875 | | 0 | | 928.125 | | 1650 | | -77.25 | | 0 | | 0 |
| 11-27-2024 | | 26 | | 9 | | 17.5 | | 0 | | 45 | | 29 | | 2417.5125 | | 0 | | 928.125 | | 1650 | | -160.6125 | | 0 | | 0 |
| 11-28-2024 | | 27 | | 9 | | 18 | | 0 | | 45.5 | | 29.5 | | 2459.19375 | | 0 | | 928.125 | | 1650 | | -118.93125 | | 0 | | 0 |
| 11-29-2024 | | 27 | | 8 | | 17.5 | | 0 | | 45 | | 29 | | 2417.5125 | | 0 | | 928.125 | | 1650 | | -160.6125 | | 0 | | 0 |
| 11-30-2024 | | 27 | | 10 | | 18.5 | | 0 | | 46 | | 30 | | 2500.875 | | 0 | | 928.125 | | 1650 | | -77.25 | | 0 | | 0 |
| 12-01-2024 | | 27 | | 10 | | 18.5 | | 0 | | 46 | | 30 | | 2500.875 | | 0 | | 928.125 | | 1650 | | -77.25 | | 0 | | 0 |
| 12-02-2024 | | 29 | | 11 | | 20 | | 0 | | 47.5 | | 31.5 | | 2625.91875 | | 0 | | 928.125 | | 1650 | | 47.79375 | | 0 | | 0 |
| 12-03-2024 | | 28 | | 12 | | 20 | | 0 | | 47.5 | | 31.5 | | 2625.91875 | | 0 | | 928.125 | | 1650 | | 47.79375 | | 0 | | 0 |
| 12-04-2024 | | 27 | | 9 | | 18 | | 0 | | 45.5 | | 29.5 | | 2459.19375 | | 0 | | 928.125 | | 1650 | | -118.93125 | | 0 | | 0 |
| 12-05-2024 | | 25 | | 8 | | 16.5 | | 0 | | 44 | | 28 | | 2334.15 | | 0 | | 928.125 | | 1650 | | -243.975 | | 0 | | 0 |
| 12-06-2024 | | 24 | | 6 | | 15 | | 1 | | 42.5 | | 26.5 | | 2219.18625 | | 65 | | 928.125 | | 1650 | | -293.93875 | | -0.29393875 | | -0.3 |
| 12-07-2024 | | 24 | | 8 | | 16 | | 0 | | 43.5 | | 27.5 | | 2292.46875 | | 0 | | 928.125 | | 1650 | | -285.65625 | | 0 | | 0 |
| 12-08-2024 | | 21 | | 8 | | 14.5 | | 1.5 | | 42 | | 26 | | 2182.545 | | 97.5 | | 928.125 | | 1650 | | -298.08 | | -0.29808 | | -0.3 |
| 12-09-2024 | | 22 | | 7 | | 14.5 | | 1.5 | | 42 | | 26 | | 2182.545 | | 97.5 | | 928.125 | | 1650 | | -298.08 | | -0.29808 | | -0.3 |
| 12-10-2024 | | 22 | | 6 | | 14 | | 2 | | 41.5 | | 25.5 | | 2145.90375 | | 130 | | 928.125 | | 1650 | | -302.22125 | | -0.30222125 | | -0.4 |
| 12-11-2024 | | 22 | | 5 | | 13.5 | | 2.5 | | 41 | | 25 | | 2109.2625 | | 162.5 | | 928.125 | | 1650 | | -306.3625 | | -0.3063625 | | -0.4 |
| 12-12-2024 | | 21 | | 7 | | 14 | | 2 | | 41.5 | | 25.5 | | 2145.90375 | | 130 | | 928.125 | | 1650 | | -302.22125 | | -0.30222125 | | -0.4 |
| 12-13-2024 | | 22 | | 6 | | 14 | | 2 | | 41.5 | | 25.5 | | 2145.90375 | | 130 | | 928.125 | | 1650 | | -302.22125 | | -0.30222125 | | -0.4 |
| 12-14-2024 | | 22 | | 4 | | 13 | | 3 | | 40.5 | | 24.5 | | 2072.62125 | | 195 | | 928.125 | | 1650 | | -310.50375 | | -0.31050375 | | -0.4 |
| 12-15-2024 | | 21 | | 5 | | 13 | | 3 | | 40.5 | | 24.5 | | 2072.62125 | | 195 | | 928.125 | | 1650 | | -310.50375 | | -0.31050375 | | -0.4 |
| 12-16-2024 | | 23 | | 5 | | 14 | | 2 | | 41.5 | | 25.5 | | 2145.90375 | | 130 | | 928.125 | | 1650 | | -302.22125 | | -0.30222125 | | -0.4 |
| 12-17-2024 | | 22 | | 6 | | 14 | | 2 | | 41.5 | | 25.5 | | 2145.90375 | | 130 | | 928.125 | | 1650 | | -302.22125 | | -0.30222125 | | -0.4 |
| 12-18-2024 | | 23 | | 7 | | 15 | | 1 | | 42.5 | | 26.5 | | 2219.18625 | | 65 | | 928.125 | | 1650 | | -293.93875 | | -0.29393875 | | -0.3 |
| 12-19-2024 | | 20 | | 7 | | 13.5 | | 2.5 | | 41 | | 25 | | 2109.2625 | | 162.5 | | 928.125 | | 1650 | | -306.3625 | | -0.3063625 | | -0.4 |
| 12-20-2024 | | 22 | | 5 | | 13.5 | | 2.5 | | 41 | | 25 | | 2109.2625 | | 162.5 | | 928.125 | | 1650 | | -306.3625 | | -0.3063625 | | -0.4 |
| 12-21-2024 | | 22 | | 7 | | 14.5 | | 1.5 | | 42 | | 26 | | 2182.545 | | 97.5 | | 928.125 | | 1650 | | -298.08 | | -0.29808 | | -0.3 |
| 12-22-2024 | | 22 | | 9 | | 15.5 | | 0.5 | | 43 | | 27 | | 2255.8275 | | 32.5 | | 928.125 | | 1650 | | -289.7975 | | -0.2897975 | | -0.3 |
| 12-23-2024 | | 13 | | 7 | | 10 | | 6 | | 37.5 | | 21.5 | | 1852.77375 | | 390 | | 928.125 | | 1650 | | -335.35125 | | -0.33535125 | | -0.4 |
| 12-24-2024 | | 19 | | 8 | | 13.5 | | 2.5 | | 41</td | | | | | | | | | | | | | | | | |

| Cal Date | # | Max Temperarure | # | Min Temperature | # | Average Temperature | # | heating degree day | # | Sol air temperature(Ts) | # | Delta T(Ts-16) | # | Qc | # | Qv | # | Qs | # | Qi | # | Qm(W) | # | Qm(KW) | # | Qm(KW) after roundingup |
|------------|---|-----------------|---|-----------------|---|---------------------|---|--------------------|---|-------------------------|---|----------------|---|------------|---|-------|---|---------|---|------|---|------------|---|-------------|---|-------------------------|
| 12-26-2024 | | 23 | | 9 | | 16 | | 0 | | 43.5 | | 27.5 | | 2292.46875 | | 0 | | 928.125 | | 1650 | | -285.65625 | | 0 | | 0 |
| 12-27-2024 | | 15 | | 13 | | 14 | | 2 | | 41.5 | | 25.5 | | 2145.90375 | | 130 | | 928.125 | | 1650 | | -302.22125 | | -0.30222125 | | -0.4 |
| 12-28-2024 | | 16 | | 11 | | 13.5 | | 2.5 | | 41 | | 25 | | 2109.2625 | | 162.5 | | 928.125 | | 1650 | | -306.3625 | | -0.3063625 | | -0.4 |
| 12-29-2024 | | 16 | | 10 | | 13 | | 3 | | 40.5 | | 24.5 | | 2072.62125 | | 195 | | 928.125 | | 1650 | | -310.50375 | | -0.31050375 | | -0.4 |
| 12-30-2024 | | 13 | | 9 | | 11 | | 5 | | 38.5 | | 22.5 | | 1926.05625 | | 325 | | 928.125 | | 1650 | | -327.06875 | | -0.32706875 | | -0.4 |
| 12-31-2024 | | 13 | | 9 | | 11 | | 5 | | 38.5 | | 22.5 | | 1926.05625 | | 325 | | 928.125 | | 1650 | | -327.06875 | | -0.32706875 | | -0.4 |

| Date | Max Temperarure | Min Temperature | Average Temperature | Cooling degree day | Sol air temp(Ts) | Delta T | Qc | Qv | Qs | Qi | Qm(W) | Qm(KW) | Qm(KW) after roundup |
|------------|-----------------|-----------------|---------------------|--------------------|------------------|---------|------------|----|---------|------|------------|--------|----------------------|
| 01-01-2024 | 11 | 7 | 9 | 0 | 36.5 | 14.5 | 1208.75625 | 0 | 928.125 | 1650 | 3786.88125 | 0 | 0 |
| 01-02-2024 | 11 | 8 | 9.5 | 0 | 37 | 15 | 1250.4375 | 0 | 928.125 | 1650 | 3828.5625 | 0 | 0 |
| 01-03-2024 | 16 | 8 | 12 | 0 | 39.5 | 17.5 | 1458.84375 | 0 | 928.125 | 1650 | 4036.96875 | 0 | 0 |
| 01-04-2024 | 11 | 6 | 8.5 | 0 | 36 | 14 | 1167.075 | 0 | 928.125 | 1650 | 3745.2 | 0 | 0 |
| 01-05-2024 | 11 | 7 | 9 | 0 | 36.5 | 14.5 | 1208.75625 | 0 | 928.125 | 1650 | 3786.88125 | 0 | 0 |
| 01-06-2024 | 13 | 6 | 9.5 | 0 | 37 | 15 | 1250.4375 | 0 | 928.125 | 1650 | 3828.5625 | 0 | 0 |
| 01-07-2024 | 11 | 7 | 9 | 0 | 36.5 | 14.5 | 1208.75625 | 0 | 928.125 | 1650 | 3786.88125 | 0 | 0 |
| 01-08-2024 | 10 | 6 | 8 | 0 | 35.5 | 13.5 | 1125.39375 | 0 | 928.125 | 1650 | 3703.51875 | 0 | 0 |
| 01-09-2024 | 11 | 7 | 9 | 0 | 36.5 | 14.5 | 1208.75625 | 0 | 928.125 | 1650 | 3786.88125 | 0 | 0 |
| 01-10-2024 | 13 | 6 | 9.5 | 0 | 37 | 15 | 1250.4375 | 0 | 928.125 | 1650 | 3828.5625 | 0 | 0 |
| 01-11-2024 | 13 | 6 | 9.5 | 0 | 37 | 15 | 1250.4375 | 0 | 928.125 | 1650 | 3828.5625 | 0 | 0 |
| 01-12-2024 | 12 | 4 | 8 | 0 | 35.5 | 13.5 | 1125.39375 | 0 | 928.125 | 1650 | 3703.51875 | 0 | 0 |
| 01-13-2024 | 13 | 5 | 9 | 0 | 36.5 | 14.5 | 1208.75625 | 0 | 928.125 | 1650 | 3786.88125 | 0 | 0 |
| 01-14-2024 | 15 | 3 | 9 | 0 | 36.5 | 14.5 | 1208.75625 | 0 | 928.125 | 1650 | 3786.88125 | 0 | 0 |
| 01-15-2024 | 14 | 3 | 8.5 | 0 | 36 | 14 | 1167.075 | 0 | 928.125 | 1650 | 3745.2 | 0 | 0 |
| 01-16-2024 | 12 | 3 | 7.5 | 0 | 35 | 13 | 1083.7125 | 0 | 928.125 | 1650 | 3661.8375 | 0 | 0 |
| 01-17-2024 | 16 | 5 | 10.5 | 0 | 38 | 16 | 1333.8 | 0 | 928.125 | 1650 | 3911.925 | 0 | 0 |
| 01-18-2024 | 17 | 3 | 10 | 0 | 37.5 | 15.5 | 1292.11875 | 0 | 928.125 | 1650 | 3870.24375 | 0 | 0 |
| 01-19-2024 | 11 | 8 | 9.5 | 0 | 37 | 15 | 1250.4375 | 0 | 928.125 | 1650 | 3828.5625 | 0 | 0 |
| 01-20-2024 | 15 | 4 | 9.5 | 0 | 37 | 15 | 1250.4375 | 0 | 928.125 | 1650 | 3828.5625 | 0 | 0 |
| 01-21-2024 | 11 | 5 | 8 | 0 | 35.5 | 13.5 | 1125.39375 | 0 | 928.125 | 1650 | 3703.51875 | 0 | 0 |
| 01-22-2024 | 11 | 6 | 8.5 | 0 | 36 | 14 | 1167.075 | 0 | 928.125 | 1650 | 3745.2 | 0 | 0 |
| 01-23-2024 | 14 | 4 | 9 | 0 | 36.5 | 14.5 | 1208.75625 | 0 | 928.125 | 1650 | 3786.88125 | 0 | 0 |
| 01-24-2024 | 11 | 4 | 7.5 | 0 | 35 | 13 | 1083.7125 | 0 | 928.125 | 1650 | 3661.8375 | 0 | 0 |
| 01-25-2024 | 15 | 5 | 10 | 0 | 37.5 | 15.5 | 1292.11875 | 0 | 928.125 | 1650 | 3870.24375 | 0 | 0 |
| 01-26-2024 | 19 | 5 | 12 | 0 | 39.5 | 17.5 | 1458.84375 | 0 | 928.125 | 1650 | 4036.96875 | 0 | 0 |
| 01-27-2024 | 22 | 7 | 14.5 | 0 | 42 | 20 | 1667.25 | 0 | 928.125 | 1650 | 4245.375 | 0 | 0 |
| 01-28-2024 | 13 | 7 | 10 | 0 | 37.5 | 15.5 | 1292.11875 | 0 | 928.125 | 1650 | 3870.24375 | 0 | 0 |
| 01-29-2024 | 19 | 8 | 13.5 | 0 | 41 | 19 | 1583.8875 | 0 | 928.125 | 1650 | 4162.0125 | 0 | 0 |
| 01-30-2024 | 20 | 9 | 14.5 | 0 | 42 | 20 | 1667.25 | 0 | 928.125 | 1650 | 4245.375 | 0 | 0 |
| 01-31-2024 | 19 | 10 | 14.5 | 0 | 42 | 20 | 1667.25 | 0 | 928.125 | 1650 | 4245.375 | 0 | 0 |
| 02-01-2024 | 17 | 12 | 14.5 | 0 | 42 | 20 | 1667.25 | 0 | 928.125 | 1650 | 4245.375 | 0 | 0 |
| 02-02-2024 | 20 | 8 | 14 | 0 | 41.5 | 19.5 | 1625.56875 | 0 | 928.125 | 1650 | 4203.69375 | 0 | 0 |
| 02-03-2024 | 20 | 8 | 14 | 0 | 41.5 | 19.5 | 1625.56875 | 0 | 928.125 | 1650 | 4203.69375 | 0 | 0 |
| 02-04-2024 | 16 | 12 | 14 | 0 | 41.5 | 19.5 | 1625.56875 | 0 | 928.125 | 1650 | 4203.69375 | 0 | 0 |
| 02-05-2024 | 16 | 10 | 13 | 0 | 40.5 | 18.5 | 1542.20625 | 0 | 928.125 | 1650 | 4120.33125 | 0 | 0 |
| 02-06-2024 | 20 | 6 | 13 | 0 | 40.5 | 18.5 | 1542.20625 | 0 | 928.125 | 1650 | 4120.33125 | 0 | 0 |
| 02-07-2024 | 20 | 5 | 12.5 | 0 | 40 | 18 | 1500.525 | 0 | 928.125 | 1650 | 4078.65 | 0 | 0 |
| 02-08-2024 | 22 | 6 | 14 | 0 | 41.5 | 19.5 | 1625.56875 | 0 | 928.125 | 1650 | 4203.69375 | 0 | 0 |
| 02-09-2024 | 24 | 7 | 15.5 | 0 | 43 | 21 | 1750.6125 | 0 | 928.125 | 1650 | 4328.7375 | 0 | 0 |
| 02-10-2024 | 22 | 6 | 14 | 0 | 41.5 | 19.5 | 1625.56875 | 0 | 928.125 | 1650 | 4203.69375 | 0 | 0 |
| 02-11-2024 | 24 | 7 | 15.5 | 0 | 43 | 21 | 1750.6125 | 0 | 928.125 | 1650 | 4328.7375 | 0 | 0 |
| 02-12-2024 | 24 | 7 | 15.5 | 0 | 43 | 21 | 1750.6125 | 0 | 928.125 | 1650 | 4328.7375 | 0 | 0 |
| 02-13-2024 | 23 | 9 | 16 | 0 | 43.5 | 21.5 | 1792.29375 | 0 | 928.125 | 1650 | 4370.41875 | 0 | 0 |
| 02-14-2024 | 25 | 9 | 17 | 0 | 44.5 | 22.5 | 1875.65625 | 0 | 928.125 | 1650 | 4453.78125 | 0 | 0 |
| 02-15-2024 | 26 | 8 | 17 | 0 | 44.5 | 22.5 | 1875.65625 | 0 | 928.125 | 1650 | 4453.78125 | 0 | 0 |

| | | | | | | | | | | | | | | |
|------------|----|----|------|-----|------|------|------------|-------|---------|------|------------|------------|-----|---|
| 02-16-2024 | 26 | 8 | 17 | 0 | 44.5 | 22.5 | 1875.65625 | 0 | 928.125 | 1650 | 4453.78125 | 0 | 0 | 0 |
| 02-17-2024 | 26 | 9 | 17.5 | 0 | 45 | 23 | 1917.3375 | 0 | 928.125 | 1650 | 4495.4625 | 0 | 0 | 0 |
| 02-18-2024 | 25 | 9 | 17 | 0 | 44.5 | 22.5 | 1875.65625 | 0 | 928.125 | 1650 | 4453.78125 | 0 | 0 | 0 |
| 02-19-2024 | 25 | 9 | 17 | 0 | 44.5 | 22.5 | 1875.65625 | 0 | 928.125 | 1650 | 4453.78125 | 0 | 0 | 0 |
| 02-20-2024 | 25 | 14 | 19.5 | 0 | 47 | 25 | 2084.0625 | 0 | 928.125 | 1650 | 4662.1875 | 0 | 0 | 0 |
| 02-21-2024 | 23 | 13 | 18 | 0 | 45.5 | 23.5 | 1959.01875 | 0 | 928.125 | 1650 | 4537.14375 | 0 | 0 | 0 |
| 02-22-2024 | 26 | 8 | 17 | 0 | 44.5 | 22.5 | 1875.65625 | 0 | 928.125 | 1650 | 4453.78125 | 0 | 0 | 0 |
| 02-23-2024 | 24 | 8 | 16 | 0 | 43.5 | 21.5 | 1792.29375 | 0 | 928.125 | 1650 | 4370.41875 | 0 | 0 | 0 |
| 02-24-2024 | 24 | 8 | 16 | 0 | 43.5 | 21.5 | 1792.29375 | 0 | 928.125 | 1650 | 4370.41875 | 0 | 0 | 0 |
| 02-25-2024 | 24 | 9 | 16.5 | 0 | 44 | 22 | 1833.975 | 0 | 928.125 | 1650 | 4412.1 | 0 | 0 | 0 |
| 02-26-2024 | 25 | 9 | 17 | 0 | 44.5 | 22.5 | 1875.65625 | 0 | 928.125 | 1650 | 4453.78125 | 0 | 0 | 0 |
| 02-27-2024 | 21 | 13 | 17 | 0 | 44.5 | 22.5 | 1875.65625 | 0 | 928.125 | 1650 | 4453.78125 | 0 | 0 | 0 |
| 02-28-2024 | 26 | 9 | 17.5 | 0 | 45 | 23 | 1917.3375 | 0 | 928.125 | 1650 | 4495.4625 | 0 | 0 | 0 |
| 02-29-2024 | 27 | 12 | 19.5 | 0 | 47 | 25 | 2084.0625 | 0 | 928.125 | 1650 | 4662.1875 | 0 | 0 | 0 |
| 03-01-2024 | 23 | 13 | 18 | 0 | 45.5 | 23.5 | 1959.01875 | 0 | 928.125 | 1650 | 4537.14375 | 0 | 0 | 0 |
| 03-02-2024 | 24 | 15 | 19.5 | 0 | 47 | 25 | 2084.0625 | 0 | 928.125 | 1650 | 4662.1875 | 0 | 0 | 0 |
| 03-03-2024 | 23 | 11 | 17 | 0 | 44.5 | 22.5 | 1875.65625 | 0 | 928.125 | 1650 | 4453.78125 | 0 | 0 | 0 |
| 03-04-2024 | 22 | 6 | 14 | 0 | 41.5 | 19.5 | 1625.56875 | 0 | 928.125 | 1650 | 4203.69375 | 0 | 0 | 0 |
| 03-05-2024 | 22 | 7 | 14.5 | 0 | 42 | 20 | 1667.25 | 0 | 928.125 | 1650 | 4245.375 | 0 | 0 | 0 |
| 03-06-2024 | 24 | 7 | 15.5 | 0 | 43 | 21 | 1750.6125 | 0 | 928.125 | 1650 | 4328.7375 | 0 | 0 | 0 |
| 03-07-2024 | 26 | 8 | 17 | 0 | 44.5 | 22.5 | 1875.65625 | 0 | 928.125 | 1650 | 4453.78125 | 0 | 0 | 0 |
| 03-08-2024 | 26 | 10 | 18 | 0 | 45.5 | 23.5 | 1959.01875 | 0 | 928.125 | 1650 | 4537.14375 | 0 | 0 | 0 |
| 03-09-2024 | 27 | 12 | 19.5 | 0 | 47 | 25 | 2084.0625 | 0 | 928.125 | 1650 | 4662.1875 | 0 | 0 | 0 |
| 03-10-2024 | 28 | 11 | 19.5 | 0 | 47 | 25 | 2084.0625 | 0 | 928.125 | 1650 | 4662.1875 | 0 | 0 | 0 |
| 03-11-2024 | 28 | 13 | 20.5 | 0 | 48 | 26 | 2167.425 | 0 | 928.125 | 1650 | 4745.55 | 0 | 0 | 0 |
| 03-12-2024 | 29 | 13 | 21 | 0 | 48.5 | 26.5 | 2209.10625 | 0 | 928.125 | 1650 | 4787.23125 | 0 | 0 | 0 |
| 03-13-2024 | 27 | 13 | 20 | 0 | 47.5 | 25.5 | 2125.74375 | 0 | 928.125 | 1650 | 4703.86875 | 0 | 0 | 0 |
| 03-14-2024 | 30 | 12 | 21 | 0 | 48.5 | 26.5 | 2209.10625 | 0 | 928.125 | 1650 | 4787.23125 | 0 | 0 | 0 |
| 03-15-2024 | 29 | 11 | 20 | 0 | 47.5 | 25.5 | 2125.74375 | 0 | 928.125 | 1650 | 4703.86875 | 0 | 0 | 0 |
| 03-16-2024 | 30 | 12 | 21 | 0 | 48.5 | 26.5 | 2209.10625 | 0 | 928.125 | 1650 | 4787.23125 | 0 | 0 | 0 |
| 03-17-2024 | 30 | 13 | 21.5 | 0 | 49 | 27 | 2250.7875 | 0 | 928.125 | 1650 | 4828.9125 | 0 | 0 | 0 |
| 03-18-2024 | 31 | 12 | 21.5 | 0 | 49 | 27 | 2250.7875 | 0 | 928.125 | 1650 | 4828.9125 | 0 | 0 | 0 |
| 03-19-2024 | 31 | 13 | 22 | 0 | 49.5 | 27.5 | 2292.46875 | 0 | 928.125 | 1650 | 4870.59375 | 0 | 0 | 0 |
| 03-20-2024 | 32 | 14 | 23 | 1 | 50.5 | 28.5 | 2385.91125 | 65 | 928.125 | 1650 | 5029.03625 | 5.02903625 | 5.1 | |
| 03-21-2024 | 27 | 17 | 22 | 0 | 49.5 | 27.5 | 2292.46875 | 0 | 928.125 | 1650 | 4870.59375 | 0 | 0 | 0 |
| 03-22-2024 | 31 | 17 | 24 | 2 | 51.5 | 29.5 | 2479.35375 | 130 | 928.125 | 1650 | 5187.47875 | 5.18747875 | 5.2 | |
| 03-23-2024 | 32 | 18 | 25 | 3 | 52.5 | 30.5 | 2572.79625 | 195 | 928.125 | 1650 | 5345.92125 | 5.34592125 | 5.4 | |
| 03-24-2024 | 29 | 16 | 22.5 | 0.5 | 50 | 28 | 2339.19 | 32.5 | 928.125 | 1650 | 4949.815 | 4.949815 | 5 | |
| 03-25-2024 | 31 | 16 | 23.5 | 1.5 | 51 | 29 | 2432.6325 | 97.5 | 928.125 | 1650 | 5108.2575 | 5.1082575 | 5.2 | |
| 03-26-2024 | 32 | 18 | 25 | 3 | 52.5 | 30.5 | 2572.79625 | 195 | 928.125 | 1650 | 5345.92125 | 5.34592125 | 5.4 | |
| 03-27-2024 | 34 | 20 | 27 | 5 | 54.5 | 32.5 | 2759.68125 | 325 | 928.125 | 1650 | 5662.80625 | 5.66280625 | 5.7 | |
| 03-28-2024 | 35 | 19 | 27 | 5 | 54.5 | 32.5 | 2759.68125 | 325 | 928.125 | 1650 | 5662.80625 | 5.66280625 | 5.7 | |
| 03-29-2024 | 35 | 17 | 26 | 4 | 53.5 | 31.5 | 2666.23875 | 260 | 928.125 | 1650 | 5504.36375 | 5.50436375 | 5.6 | |
| 03-30-2024 | 34 | 18 | 26 | 4 | 53.5 | 31.5 | 2666.23875 | 260 | 928.125 | 1650 | 5504.36375 | 5.50436375 | 5.6 | |
| 03-31-2024 | 34 | 17 | 25.5 | 3.5 | 53 | 31 | 2619.5175 | 227.5 | 928.125 | 1650 | 5425.1425 | 5.4251425 | 5.5 | |
| 04-01-2024 | 31 | 16 | 23.5 | 1.5 | 51 | 29 | 2432.6325 | 97.5 | 928.125 | 1650 | 5108.2575 | 5.1082575 | 5.2 | |
| 04-02-2024 | 31 | 15 | 23 | 1 | 50.5 | 28.5 | 2385.91125 | 65 | 928.125 | 1650 | 5029.03625 | 5.02903625 | 5.1 | |

| | | | | | | | | | | | | | |
|------------|----|----|------|------|------|------|------------|-------|---------|------|------------|------------|-----|
| 04-03-2024 | 35 | 16 | 25.5 | 3.5 | 53 | 31 | 2619.5175 | 227.5 | 928.125 | 1650 | 5425.1425 | 5.4251425 | 5.5 |
| 04-04-2024 | 36 | 18 | 27 | 5 | 54.5 | 32.5 | 2759.68125 | 325 | 928.125 | 1650 | 5662.80625 | 5.66280625 | 5.7 |
| 04-05-2024 | 36 | 18 | 27 | 5 | 54.5 | 32.5 | 2759.68125 | 325 | 928.125 | 1650 | 5662.80625 | 5.66280625 | 5.7 |
| 04-06-2024 | 35 | 17 | 26 | 4 | 53.5 | 31.5 | 2666.23875 | 260 | 928.125 | 1650 | 5504.36375 | 5.50436375 | 5.6 |
| 04-07-2024 | 35 | 15 | 25 | 3 | 52.5 | 30.5 | 2572.79625 | 195 | 928.125 | 1650 | 5345.92125 | 5.34592125 | 5.4 |
| 04-08-2024 | 37 | 17 | 27 | 5 | 54.5 | 32.5 | 2759.68125 | 325 | 928.125 | 1650 | 5662.80625 | 5.66280625 | 5.7 |
| 04-09-2024 | 37 | 16 | 26.5 | 4.5 | 54 | 32 | 2712.96 | 292.5 | 928.125 | 1650 | 5583.585 | 5.583585 | 5.6 |
| 04-10-2024 | 38 | 17 | 27.5 | 5.5 | 55 | 33 | 2806.4025 | 357.5 | 928.125 | 1650 | 5742.0275 | 5.7420275 | 5.8 |
| 04-11-2024 | 37 | 18 | 27.5 | 5.5 | 55 | 33 | 2806.4025 | 357.5 | 928.125 | 1650 | 5742.0275 | 5.7420275 | 5.8 |
| 04-12-2024 | 38 | 18 | 28 | 6 | 55.5 | 33.5 | 2853.12375 | 390 | 928.125 | 1650 | 5821.24875 | 5.82124875 | 5.9 |
| 04-13-2024 | 34 | 21 | 27.5 | 5.5 | 55 | 33 | 2806.4025 | 357.5 | 928.125 | 1650 | 5742.0275 | 5.7420275 | 5.8 |
| 04-14-2024 | 30 | 19 | 24.5 | 2.5 | 52 | 30 | 2526.075 | 162.5 | 928.125 | 1650 | 5266.7 | 5.2667 | 5.3 |
| 04-15-2024 | 34 | 20 | 27 | 5 | 54.5 | 32.5 | 2759.68125 | 325 | 928.125 | 1650 | 5662.80625 | 5.66280625 | 5.7 |
| 04-16-2024 | 35 | 20 | 27.5 | 5.5 | 55 | 33 | 2806.4025 | 357.5 | 928.125 | 1650 | 5742.0275 | 5.7420275 | 5.8 |
| 04-17-2024 | 39 | 20 | 29.5 | 7.5 | 57 | 35 | 2993.2875 | 487.5 | 928.125 | 1650 | 6058.9125 | 6.0589125 | 6.1 |
| 04-18-2024 | 37 | 21 | 29 | 7 | 56.5 | 34.5 | 2946.56625 | 455 | 928.125 | 1650 | 5979.69125 | 5.97969125 | 6 |
| 04-19-2024 | 39 | 20 | 29.5 | 7.5 | 57 | 35 | 2993.2875 | 487.5 | 928.125 | 1650 | 6058.9125 | 6.0589125 | 6.1 |
| 04-20-2024 | 35 | 21 | 28 | 6 | 55.5 | 33.5 | 2853.12375 | 390 | 928.125 | 1650 | 5821.24875 | 5.82124875 | 5.9 |
| 04-21-2024 | 37 | 20 | 28.5 | 6.5 | 56 | 34 | 2899.845 | 422.5 | 928.125 | 1650 | 5900.47 | 5.90047 | 6 |
| 04-22-2024 | 37 | 22 | 29.5 | 7.5 | 57 | 35 | 2993.2875 | 487.5 | 928.125 | 1650 | 6058.9125 | 6.0589125 | 6.1 |
| 04-23-2024 | 33 | 20 | 26.5 | 4.5 | 54 | 32 | 2712.96 | 292.5 | 928.125 | 1650 | 5583.585 | 5.583585 | 5.6 |
| 04-24-2024 | 36 | 17 | 26.5 | 4.5 | 54 | 32 | 2712.96 | 292.5 | 928.125 | 1650 | 5583.585 | 5.583585 | 5.6 |
| 04-25-2024 | 39 | 20 | 29.5 | 7.5 | 57 | 35 | 2993.2875 | 487.5 | 928.125 | 1650 | 6058.9125 | 6.0589125 | 6.1 |
| 04-26-2024 | 41 | 20 | 30.5 | 8.5 | 58 | 36 | 3086.73 | 552.5 | 928.125 | 1650 | 6217.355 | 6.217355 | 6.3 |
| 04-27-2024 | 37 | 24 | 30.5 | 8.5 | 58 | 36 | 3086.73 | 552.5 | 928.125 | 1650 | 6217.355 | 6.217355 | 6.3 |
| 04-28-2024 | 38 | 20 | 29 | 7 | 56.5 | 34.5 | 2946.56625 | 455 | 928.125 | 1650 | 5979.69125 | 5.97969125 | 6 |
| 04-29-2024 | 30 | 21 | 25.5 | 3.5 | 53 | 31 | 2619.5175 | 227.5 | 928.125 | 1650 | 5425.1425 | 5.4251425 | 5.5 |
| 04-30-2024 | 36 | 17 | 26.5 | 4.5 | 54 | 32 | 2712.96 | 292.5 | 928.125 | 1650 | 5583.585 | 5.583585 | 5.6 |
| 05-01-2024 | 32 | 17 | 24.5 | 2.5 | 52 | 30 | 2526.075 | 162.5 | 928.125 | 1650 | 5266.7 | 5.2667 | 5.3 |
| 05-02-2024 | 36 | 17 | 26.5 | 4.5 | 54 | 32 | 2712.96 | 292.5 | 928.125 | 1650 | 5583.585 | 5.583585 | 5.6 |
| 05-03-2024 | 38 | 19 | 28.5 | 6.5 | 56 | 34 | 2899.845 | 422.5 | 928.125 | 1650 | 5900.47 | 5.90047 | 6 |
| 05-04-2024 | 41 | 23 | 32 | 10 | 59.5 | 37.5 | 3226.89375 | 650 | 928.125 | 1650 | 6455.01875 | 6.45501875 | 6.5 |
| 05-05-2024 | 40 | 23 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | 6.4 |
| 05-06-2024 | 41 | 25 | 33 | 11 | 60.5 | 38.5 | 3320.33625 | 715 | 928.125 | 1650 | 6613.46125 | 6.61346125 | 6.7 |
| 05-07-2024 | 41 | 24 | 32.5 | 10.5 | 60 | 38 | 3273.615 | 682.5 | 928.125 | 1650 | 6534.24 | 6.53424 | 6.6 |
| 05-08-2024 | 38 | 25 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | 6.4 |
| 05-09-2024 | 37 | 26 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | 6.4 |
| 05-10-2024 | 38 | 26 | 32 | 10 | 59.5 | 37.5 | 3226.89375 | 650 | 928.125 | 1650 | 6455.01875 | 6.45501875 | 6.5 |
| 05-11-2024 | 39 | 24 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | 6.4 |
| 05-12-2024 | 39 | 24 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | 6.4 |
| 05-13-2024 | 40 | 21 | 30.5 | 8.5 | 58 | 36 | 3086.73 | 552.5 | 928.125 | 1650 | 6217.355 | 6.217355 | 6.3 |
| 05-14-2024 | 41 | 22 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | 6.4 |
| 05-15-2024 | 42 | 23 | 32.5 | 10.5 | 60 | 38 | 3273.615 | 682.5 | 928.125 | 1650 | 6534.24 | 6.53424 | 6.6 |
| 05-16-2024 | 42 | 26 | 34 | 12 | 61.5 | 39.5 | 3413.77875 | 780 | 928.125 | 1650 | 6771.90375 | 6.77190375 | 6.8 |
| 05-17-2024 | 44 | 27 | 35.5 | 13.5 | 63 | 41 | 3553.9425 | 877.5 | 928.125 | 1650 | 7009.5675 | 7.0095675 | 7.1 |
| 05-18-2024 | 45 | 27 | 36 | 14 | 63.5 | 41.5 | 3600.66375 | 910 | 928.125 | 1650 | 7088.78875 | 7.08878875 | 7.1 |
| 05-19-2024 | 45 | 27 | 36 | 14 | 63.5 | 41.5 | 3600.66375 | 910 | 928.125 | 1650 | 7088.78875 | 7.08878875 | 7.1 |

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|------------|----|----|------|------|------|------|------------|--------|---------|------|------------|------------|-----|
| 05-20-2024 | 44 | 28 | 36 | 14 | 63.5 | 41.5 | 3600.66375 | 910 | 928.125 | 1650 | 7088.78875 | 7.08878875 | 7.1 |
| 05-21-2024 | 44 | 27 | 35.5 | 13.5 | 63 | 41 | 3553.9425 | 877.5 | 928.125 | 1650 | 7009.5675 | 7.0095675 | 7.1 |
| 05-22-2024 | 41 | 27 | 34 | 12 | 61.5 | 39.5 | 3413.77875 | 780 | 928.125 | 1650 | 6771.90375 | 6.77190375 | 6.8 |
| 05-23-2024 | 40 | 29 | 34.5 | 12.5 | 62 | 40 | 3460.5 | 812.5 | 928.125 | 1650 | 6851.125 | 6.851125 | 6.9 |
| 05-24-2024 | 42 | 29 | 35.5 | 13.5 | 63 | 41 | 3553.9425 | 877.5 | 928.125 | 1650 | 7009.5675 | 7.0095675 | 7.1 |
| 05-25-2024 | 44 | 28 | 36 | 14 | 63.5 | 41.5 | 3600.66375 | 910 | 928.125 | 1650 | 7088.78875 | 7.08878875 | 7.1 |
| 05-26-2024 | 46 | 26 | 36 | 14 | 63.5 | 41.5 | 3600.66375 | 910 | 928.125 | 1650 | 7088.78875 | 7.08878875 | 7.1 |
| 05-27-2024 | 45 | 28 | 36.5 | 14.5 | 64 | 42 | 3647.385 | 942.5 | 928.125 | 1650 | 7168.01 | 7.16801 | 7.2 |
| 05-28-2024 | 47 | 26 | 36.5 | 14.5 | 64 | 42 | 3647.385 | 942.5 | 928.125 | 1650 | 7168.01 | 7.16801 | 7.2 |
| 05-29-2024 | 46 | 26 | 36 | 14 | 63.5 | 41.5 | 3600.66375 | 910 | 928.125 | 1650 | 7088.78875 | 7.08878875 | 7.1 |
| 05-30-2024 | 46 | 21 | 33.5 | 11.5 | 61 | 39 | 3367.0575 | 747.5 | 928.125 | 1650 | 6692.6825 | 6.6926825 | 6.7 |
| 05-31-2024 | 46 | 28 | 37 | 15 | 64.5 | 42.5 | 3694.10625 | 975 | 928.125 | 1650 | 7247.23125 | 7.24723125 | 7.3 |
| 06-01-2024 | 45 | 29 | 37 | 15 | 64.5 | 42.5 | 3694.10625 | 975 | 928.125 | 1650 | 7247.23125 | 7.24723125 | 7.3 |
| 06-02-2024 | 43 | 26 | 34.5 | 12.5 | 62 | 40 | 3460.5 | 812.5 | 928.125 | 1650 | 6851.125 | 6.851125 | 6.9 |
| 06-03-2024 | 45 | 30 | 37.5 | 15.5 | 65 | 43 | 3740.8275 | 1007.5 | 928.125 | 1650 | 7326.4525 | 7.3264525 | 7.4 |
| 06-04-2024 | 44 | 28 | 36 | 14 | 63.5 | 41.5 | 3600.66375 | 910 | 928.125 | 1650 | 7088.78875 | 7.08878875 | 7.1 |
| 06-05-2024 | 43 | 24 | 33.5 | 11.5 | 61 | 39 | 3367.0575 | 747.5 | 928.125 | 1650 | 6692.6825 | 6.6926825 | 6.7 |
| 06-06-2024 | 40 | 23 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | 6.4 |
| 06-07-2024 | 41 | 26 | 33.5 | 11.5 | 61 | 39 | 3367.0575 | 747.5 | 928.125 | 1650 | 6692.6825 | 6.6926825 | 6.7 |
| 06-08-2024 | 41 | 27 | 34 | 12 | 61.5 | 39.5 | 3413.77875 | 780 | 928.125 | 1650 | 6771.90375 | 6.77190375 | 6.8 |
| 06-09-2024 | 43 | 26 | 34.5 | 12.5 | 62 | 40 | 3460.5 | 812.5 | 928.125 | 1650 | 6851.125 | 6.851125 | 6.9 |
| 06-10-2024 | 44 | 26 | 35 | 13 | 62.5 | 40.5 | 3507.22125 | 845 | 928.125 | 1650 | 6930.34625 | 6.93034625 | 7 |
| 06-11-2024 | 45 | 26 | 35.5 | 13.5 | 63 | 41 | 3553.9425 | 877.5 | 928.125 | 1650 | 7009.5675 | 7.0095675 | 7.1 |
| 06-12-2024 | 45 | 27 | 36 | 14 | 63.5 | 41.5 | 3600.66375 | 910 | 928.125 | 1650 | 7088.78875 | 7.08878875 | 7.1 |
| 06-13-2024 | 46 | 28 | 37 | 15 | 64.5 | 42.5 | 3694.10625 | 975 | 928.125 | 1650 | 7247.23125 | 7.24723125 | 7.3 |
| 06-14-2024 | 45 | 29 | 37 | 15 | 64.5 | 42.5 | 3694.10625 | 975 | 928.125 | 1650 | 7247.23125 | 7.24723125 | 7.3 |
| 06-15-2024 | 45 | 32 | 38.5 | 16.5 | 66 | 44 | 3834.27 | 1072.5 | 928.125 | 1650 | 7484.895 | 7.484895 | 7.5 |
| 06-16-2024 | 46 | 31 | 38.5 | 16.5 | 66 | 44 | 3834.27 | 1072.5 | 928.125 | 1650 | 7484.895 | 7.484895 | 7.5 |
| 06-17-2024 | 45 | 31 | 38 | 16 | 65.5 | 43.5 | 3787.54875 | 1040 | 928.125 | 1650 | 7405.67375 | 7.40567375 | 7.5 |
| 06-18-2024 | 45 | 30 | 37.5 | 15.5 | 65 | 43 | 3740.8275 | 1007.5 | 928.125 | 1650 | 7326.4525 | 7.3264525 | 7.4 |
| 06-19-2024 | 43 | 28 | 35.5 | 13.5 | 63 | 41 | 3553.9425 | 877.5 | 928.125 | 1650 | 7009.5675 | 7.0095675 | 7.1 |
| 06-20-2024 | 37 | 24 | 30.5 | 8.5 | 58 | 36 | 3086.73 | 552.5 | 928.125 | 1650 | 6217.355 | 6.217355 | 6.3 |
| 06-21-2024 | 38 | 27 | 32.5 | 10.5 | 60 | 38 | 3273.615 | 682.5 | 928.125 | 1650 | 6534.24 | 6.53424 | 6.6 |
| 06-22-2024 | 40 | 27 | 33.5 | 11.5 | 61 | 39 | 3367.0575 | 747.5 | 928.125 | 1650 | 6692.6825 | 6.6926825 | 6.7 |
| 06-23-2024 | 40 | 29 | 34.5 | 12.5 | 62 | 40 | 3460.5 | 812.5 | 928.125 | 1650 | 6851.125 | 6.851125 | 6.9 |
| 06-24-2024 | 40 | 29 | 34.5 | 12.5 | 62 | 40 | 3460.5 | 812.5 | 928.125 | 1650 | 6851.125 | 6.851125 | 6.9 |
| 06-25-2024 | 40 | 28 | 34 | 12 | 61.5 | 39.5 | 3413.77875 | 780 | 928.125 | 1650 | 6771.90375 | 6.77190375 | 6.8 |
| 06-26-2024 | 35 | 25 | 30 | 8 | 57.5 | 35.5 | 3040.00875 | 520 | 928.125 | 1650 | 6138.13375 | 6.13813375 | 6.2 |
| 06-27-2024 | 34 | 28 | 31 | 9 | 58.5 | 36.5 | 3133.45125 | 585 | 928.125 | 1650 | 6296.57625 | 6.29657625 | 6.3 |
| 06-28-2024 | 36 | 28 | 32 | 10 | 59.5 | 37.5 | 3226.89375 | 650 | 928.125 | 1650 | 6455.01875 | 6.45501875 | 6.5 |
| 06-29-2024 | 38 | 29 | 33.5 | 11.5 | 61 | 39 | 3367.0575 | 747.5 | 928.125 | 1650 | 6692.6825 | 6.6926825 | 6.7 |
| 06-30-2024 | 37 | 28 | 32.5 | 10.5 | 60 | 38 | 3273.615 | 682.5 | 928.125 | 1650 | 6534.24 | 6.53424 | 6.6 |
| 07-01-2024 | 35 | 29 | 32 | 10 | 59.5 | 37.5 | 3226.89375 | 650 | 928.125 | 1650 | 6455.01875 | 6.45501875 | 6.5 |
| 07-02-2024 | 37 | 30 | 33.5 | 11.5 | 61 | 39 | 3367.0575 | 747.5 | 928.125 | 1650 | 6692.6825 | 6.6926825 | 6.7 |
| 07-03-2024 | 34 | 27 | 30.5 | 8.5 | 58 | 36 | 3086.73 | 552.5 | 928.125 | 1650 | 6217.355 | 6.217355 | 6.3 |
| 07-04-2024 | 34 | 26 | 30 | 8 | 57.5 | 35.5 | 3040.00875 | 520 | 928.125 | 1650 | 6138.13375 | 6.13813375 | 6.2 |
| 07-05-2024 | 35 | 28 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | 6.4 |

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|------------|----|----|------|------|------|------|------------|-------|---------|------|------------|------------|--|-----|
| 07-06-2024 | 32 | 25 | 28.5 | 6.5 | 56 | 34 | 2899.845 | 422.5 | 928.125 | 1650 | 5900.47 | 5.90047 | | 6 |
| 07-07-2024 | 35 | 26 | 30.5 | 8.5 | 58 | 36 | 3086.73 | 552.5 | 928.125 | 1650 | 6217.355 | 6.217355 | | 6.3 |
| 07-08-2024 | 34 | 27 | 30.5 | 8.5 | 58 | 36 | 3086.73 | 552.5 | 928.125 | 1650 | 6217.355 | 6.217355 | | 6.3 |
| 07-09-2024 | 36 | 27 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | | 6.4 |
| 07-10-2024 | 38 | 29 | 33.5 | 11.5 | 61 | 39 | 3367.0575 | 747.5 | 928.125 | 1650 | 6692.6825 | 6.6926825 | | 6.7 |
| 07-11-2024 | 39 | 29 | 34 | 12 | 61.5 | 39.5 | 3413.77875 | 780 | 928.125 | 1650 | 6771.90375 | 6.77190375 | | 6.8 |
| 07-12-2024 | 34 | 28 | 31 | 9 | 58.5 | 36.5 | 3133.45125 | 585 | 928.125 | 1650 | 6296.57625 | 6.29657625 | | 6.3 |
| 07-13-2024 | 37 | 27 | 32 | 10 | 59.5 | 37.5 | 3226.89375 | 650 | 928.125 | 1650 | 6455.01875 | 6.45501875 | | 6.5 |
| 07-14-2024 | 38 | 28 | 33 | 11 | 60.5 | 38.5 | 3320.33625 | 715 | 928.125 | 1650 | 6613.46125 | 6.61346125 | | 6.7 |
| 07-15-2024 | 37 | 30 | 33.5 | 11.5 | 61 | 39 | 3367.0575 | 747.5 | 928.125 | 1650 | 6692.6825 | 6.6926825 | | 6.7 |
| 07-16-2024 | 38 | 30 | 34 | 12 | 61.5 | 39.5 | 3413.77875 | 780 | 928.125 | 1650 | 6771.90375 | 6.77190375 | | 6.8 |
| 07-17-2024 | 32 | 25 | 28.5 | 6.5 | 56 | 34 | 2899.845 | 422.5 | 928.125 | 1650 | 5900.47 | 5.90047 | | 6 |
| 07-18-2024 | 37 | 28 | 32.5 | 10.5 | 60 | 38 | 3273.615 | 682.5 | 928.125 | 1650 | 6534.24 | 6.53424 | | 6.6 |
| 07-19-2024 | 37 | 28 | 32.5 | 10.5 | 60 | 38 | 3273.615 | 682.5 | 928.125 | 1650 | 6534.24 | 6.53424 | | 6.6 |
| 07-20-2024 | 36 | 29 | 32.5 | 10.5 | 60 | 38 | 3273.615 | 682.5 | 928.125 | 1650 | 6534.24 | 6.53424 | | 6.6 |
| 07-21-2024 | 37 | 30 | 33.5 | 11.5 | 61 | 39 | 3367.0575 | 747.5 | 928.125 | 1650 | 6692.6825 | 6.6926825 | | 6.7 |
| 07-22-2024 | 33 | 29 | 31 | 9 | 58.5 | 36.5 | 3133.45125 | 585 | 928.125 | 1650 | 6296.57625 | 6.29657625 | | 6.3 |
| 07-23-2024 | 34 | 28 | 31 | 9 | 58.5 | 36.5 | 3133.45125 | 585 | 928.125 | 1650 | 6296.57625 | 6.29657625 | | 6.3 |
| 07-24-2024 | 35 | 29 | 32 | 10 | 59.5 | 37.5 | 3226.89375 | 650 | 928.125 | 1650 | 6455.01875 | 6.45501875 | | 6.5 |
| 07-25-2024 | 36 | 29 | 32.5 | 10.5 | 60 | 38 | 3273.615 | 682.5 | 928.125 | 1650 | 6534.24 | 6.53424 | | 6.6 |
| 07-26-2024 | 36 | 29 | 32.5 | 10.5 | 60 | 38 | 3273.615 | 682.5 | 928.125 | 1650 | 6534.24 | 6.53424 | | 6.6 |
| 07-27-2024 | 35 | 28 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | | 6.4 |
| 07-28-2024 | 38 | 28 | 33 | 11 | 60.5 | 38.5 | 3320.33625 | 715 | 928.125 | 1650 | 6613.46125 | 6.61346125 | | 6.7 |
| 07-29-2024 | 38 | 29 | 33.5 | 11.5 | 61 | 39 | 3367.0575 | 747.5 | 928.125 | 1650 | 6692.6825 | 6.6926825 | | 6.7 |
| 07-30-2024 | 36 | 30 | 33 | 11 | 60.5 | 38.5 | 3320.33625 | 715 | 928.125 | 1650 | 6613.46125 | 6.61346125 | | 6.7 |
| 07-31-2024 | 39 | 30 | 34.5 | 12.5 | 62 | 40 | 3460.5 | 812.5 | 928.125 | 1650 | 6851.125 | 6.851125 | | 6.9 |
| 08-01-2024 | 32 | 25 | 28.5 | 6.5 | 56 | 34 | 2899.845 | 422.5 | 928.125 | 1650 | 5900.47 | 5.90047 | | 6 |
| 08-02-2024 | 34 | 28 | 31 | 9 | 58.5 | 36.5 | 3133.45125 | 585 | 928.125 | 1650 | 6296.57625 | 6.29657625 | | 6.3 |
| 08-03-2024 | 34 | 28 | 31 | 9 | 58.5 | 36.5 | 3133.45125 | 585 | 928.125 | 1650 | 6296.57625 | 6.29657625 | | 6.3 |
| 08-04-2024 | 35 | 28 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | | 6.4 |
| 08-05-2024 | 35 | 28 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | | 6.4 |
| 08-06-2024 | 35 | 28 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | | 6.4 |
| 08-07-2024 | 32 | 27 | 29.5 | 7.5 | 57 | 35 | 2993.2875 | 487.5 | 928.125 | 1650 | 6058.9125 | 6.0589125 | | 6.1 |
| 08-08-2024 | 34 | 27 | 30.5 | 8.5 | 58 | 36 | 3086.73 | 552.5 | 928.125 | 1650 | 6217.355 | 6.217355 | | 6.3 |
| 08-09-2024 | 35 | 27 | 31 | 9 | 58.5 | 36.5 | 3133.45125 | 585 | 928.125 | 1650 | 6296.57625 | 6.29657625 | | 6.3 |
| 08-10-2024 | 33 | 26 | 29.5 | 7.5 | 57 | 35 | 2993.2875 | 487.5 | 928.125 | 1650 | 6058.9125 | 6.0589125 | | 6.1 |
| 08-11-2024 | 30 | 24 | 27 | 5 | 54.5 | 32.5 | 2759.68125 | 325 | 928.125 | 1650 | 5662.80625 | 5.66280625 | | 5.7 |
| 08-12-2024 | 33 | 24 | 28.5 | 6.5 | 56 | 34 | 2899.845 | 422.5 | 928.125 | 1650 | 5900.47 | 5.90047 | | 6 |
| 08-13-2024 | 34 | 27 | 30.5 | 8.5 | 58 | 36 | 3086.73 | 552.5 | 928.125 | 1650 | 6217.355 | 6.217355 | | 6.3 |
| 08-14-2024 | 34 | 27 | 30.5 | 8.5 | 58 | 36 | 3086.73 | 552.5 | 928.125 | 1650 | 6217.355 | 6.217355 | | 6.3 |
| 08-15-2024 | 32 | 25 | 28.5 | 6.5 | 56 | 34 | 2899.845 | 422.5 | 928.125 | 1650 | 5900.47 | 5.90047 | | 6 |
| 08-16-2024 | 35 | 28 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | | 6.4 |
| 08-17-2024 | 35 | 27 | 31 | 9 | 58.5 | 36.5 | 3133.45125 | 585 | 928.125 | 1650 | 6296.57625 | 6.29657625 | | 6.3 |
| 08-18-2024 | 35 | 27 | 31 | 9 | 58.5 | 36.5 | 3133.45125 | 585 | 928.125 | 1650 | 6296.57625 | 6.29657625 | | 6.3 |
| 08-19-2024 | 35 | 27 | 31 | 9 | 58.5 | 36.5 | 3133.45125 | 585 | 928.125 | 1650 | 6296.57625 | 6.29657625 | | 6.3 |
| 08-20-2024 | 31 | 27 | 29 | 7 | 56.5 | 34.5 | 2946.56625 | 455 | 928.125 | 1650 | 5979.69125 | 5.97969125 | | 6 |
| 08-21-2024 | 36 | 26 | 31 | 9 | 58.5 | 36.5 | 3133.45125 | 585 | 928.125 | 1650 | 6296.57625 | 6.29657625 | | 6.3 |

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|------------|----|----|------|------|------|------|------------|-------|---------|------|------------|------------|-----|
| 08-22-2024 | 36 | 27 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | 6.4 |
| 08-23-2024 | 34 | 24 | 29 | 7 | 56.5 | 34.5 | 2946.56625 | 455 | 928.125 | 1650 | 5979.69125 | 5.97969125 | 6 |
| 08-24-2024 | 35 | 28 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | 6.4 |
| 08-25-2024 | 36 | 27 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | 6.4 |
| 08-26-2024 | 35 | 26 | 30.5 | 8.5 | 58 | 36 | 3086.73 | 552.5 | 928.125 | 1650 | 6217.355 | 6.217355 | 6.3 |
| 08-27-2024 | 35 | 24 | 29.5 | 7.5 | 57 | 35 | 2993.2875 | 487.5 | 928.125 | 1650 | 6058.9125 | 6.0589125 | 6.1 |
| 08-28-2024 | 34 | 24 | 29 | 7 | 56.5 | 34.5 | 2946.56625 | 455 | 928.125 | 1650 | 5979.69125 | 5.97969125 | 6 |
| 08-29-2024 | 28 | 25 | 26.5 | 4.5 | 54 | 32 | 2712.96 | 292.5 | 928.125 | 1650 | 5583.585 | 5.583585 | 5.6 |
| 08-30-2024 | 36 | 26 | 31 | 9 | 58.5 | 36.5 | 3133.45125 | 585 | 928.125 | 1650 | 6296.57625 | 6.29657625 | 6.3 |
| 08-31-2024 | 36 | 27 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | 6.4 |
| 09-01-2024 | 36 | 27 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | 6.4 |
| 09-02-2024 | 33 | 27 | 30 | 8 | 57.5 | 35.5 | 3040.00875 | 520 | 928.125 | 1650 | 6138.13375 | 6.13813375 | 6.2 |
| 09-03-2024 | 35 | 25 | 30 | 8 | 57.5 | 35.5 | 3040.00875 | 520 | 928.125 | 1650 | 6138.13375 | 6.13813375 | 6.2 |
| 09-04-2024 | 30 | 24 | 27 | 5 | 54.5 | 32.5 | 2759.68125 | 325 | 928.125 | 1650 | 5662.80625 | 5.66280625 | 5.7 |
| 09-05-2024 | 33 | 25 | 29 | 7 | 56.5 | 34.5 | 2946.56625 | 455 | 928.125 | 1650 | 5979.69125 | 5.97969125 | 6 |
| 09-06-2024 | 34 | 26 | 30 | 8 | 57.5 | 35.5 | 3040.00875 | 520 | 928.125 | 1650 | 6138.13375 | 6.13813375 | 6.2 |
| 09-07-2024 | 29 | 25 | 27 | 5 | 54.5 | 32.5 | 2759.68125 | 325 | 928.125 | 1650 | 5662.80625 | 5.66280625 | 5.7 |
| 09-08-2024 | 33 | 26 | 29.5 | 7.5 | 57 | 35 | 2993.2875 | 487.5 | 928.125 | 1650 | 6058.9125 | 6.0589125 | 6.1 |
| 09-09-2024 | 36 | 27 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | 6.4 |
| 09-10-2024 | 33 | 27 | 30 | 8 | 57.5 | 35.5 | 3040.00875 | 520 | 928.125 | 1650 | 6138.13375 | 6.13813375 | 6.2 |
| 09-11-2024 | 35 | 26 | 30.5 | 8.5 | 58 | 36 | 3086.73 | 552.5 | 928.125 | 1650 | 6217.355 | 6.217355 | 6.3 |
| 09-12-2024 | 32 | 26 | 29 | 7 | 56.5 | 34.5 | 2946.56625 | 455 | 928.125 | 1650 | 5979.69125 | 5.97969125 | 6 |
| 09-13-2024 | 32 | 24 | 28 | 6 | 55.5 | 33.5 | 2853.12375 | 390 | 928.125 | 1650 | 5821.24875 | 5.82124875 | 5.9 |
| 09-14-2024 | 33 | 23 | 28 | 6 | 55.5 | 33.5 | 2853.12375 | 390 | 928.125 | 1650 | 5821.24875 | 5.82124875 | 5.9 |
| 09-15-2024 | 34 | 24 | 29 | 7 | 56.5 | 34.5 | 2946.56625 | 455 | 928.125 | 1650 | 5979.69125 | 5.97969125 | 6 |
| 09-16-2024 | 35 | 24 | 29.5 | 7.5 | 57 | 35 | 2993.2875 | 487.5 | 928.125 | 1650 | 6058.9125 | 6.0589125 | 6.1 |
| 09-17-2024 | 35 | 26 | 30.5 | 8.5 | 58 | 36 | 3086.73 | 552.5 | 928.125 | 1650 | 6217.355 | 6.217355 | 6.3 |
| 09-18-2024 | 32 | 25 | 28.5 | 6.5 | 56 | 34 | 2899.845 | 422.5 | 928.125 | 1650 | 5900.47 | 5.90047 | 6 |
| 09-19-2024 | 35 | 25 | 30 | 8 | 57.5 | 35.5 | 3040.00875 | 520 | 928.125 | 1650 | 6138.13375 | 6.13813375 | 6.2 |
| 09-20-2024 | 36 | 23 | 29.5 | 7.5 | 57 | 35 | 2993.2875 | 487.5 | 928.125 | 1650 | 6058.9125 | 6.0589125 | 6.1 |
| 09-21-2024 | 36 | 26 | 31 | 9 | 58.5 | 36.5 | 3133.45125 | 585 | 928.125 | 1650 | 6296.57625 | 6.29657625 | 6.3 |
| 09-22-2024 | 36 | 26 | 31 | 9 | 58.5 | 36.5 | 3133.45125 | 585 | 928.125 | 1650 | 6296.57625 | 6.29657625 | 6.3 |
| 09-23-2024 | 37 | 26 | 31.5 | 9.5 | 59 | 37 | 3180.1725 | 617.5 | 928.125 | 1650 | 6375.7975 | 6.3757975 | 6.4 |
| 09-24-2024 | 37 | 28 | 32.5 | 10.5 | 60 | 38 | 3273.615 | 682.5 | 928.125 | 1650 | 6534.24 | 6.53424 | 6.6 |
| 09-25-2024 | 36 | 28 | 32 | 10 | 59.5 | 37.5 | 3226.89375 | 650 | 928.125 | 1650 | 6455.01875 | 6.45501875 | 6.5 |
| 09-26-2024 | 30 | 26 | 28 | 6 | 55.5 | 33.5 | 2853.12375 | 390 | 928.125 | 1650 | 5821.24875 | 5.82124875 | 5.9 |
| 09-27-2024 | 34 | 25 | 29.5 | 7.5 | 57 | 35 | 2993.2875 | 487.5 | 928.125 | 1650 | 6058.9125 | 6.0589125 | 6.1 |
| 09-28-2024 | 33 | 24 | 28.5 | 6.5 | 56 | 34 | 2899.845 | 422.5 | 928.125 | 1650 | 5900.47 | 5.90047 | 6 |
| 09-29-2024 | 34 | 25 | 29.5 | 7.5 | 57 | 35 | 2993.2875 | 487.5 | 928.125 | 1650 | 6058.9125 | 6.0589125 | 6.1 |
| 09-30-2024 | 34 | 24 | 29 | 7 | 56.5 | 34.5 | 2946.56625 | 455 | 928.125 | 1650 | 5979.69125 | 5.97969125 | 6 |
| 10-01-2024 | 36 | 25 | 30.5 | 8.5 | 58 | 36 | 3086.73 | 552.5 | 928.125 | 1650 | 6217.355 | 6.217355 | 6.3 |
| 10-02-2024 | 36 | 25 | 30.5 | 8.5 | 58 | 36 | 3086.73 | 552.5 | 928.125 | 1650 | 6217.355 | 6.217355 | 6.3 |
| 10-03-2024 | 36 | 24 | 30 | 8 | 57.5 | 35.5 | 3040.00875 | 520 | 928.125 | 1650 | 6138.13375 | 6.13813375 | 6.2 |
| 10-04-2024 | 37 | 24 | 30.5 | 8.5 | 58 | 36 | 3086.73 | 552.5 | 928.125 | 1650 | 6217.355 | 6.217355 | 6.3 |
| 10-05-2024 | 36 | 24 | 30 | 8 | 57.5 | 35.5 | 3040.00875 | 520 | 928.125 | 1650 | 6138.13375 | 6.13813375 | 6.2 |
| 10-06-2024 | 36 | 21 | 28.5 | 6.5 | 56 | 34 | 2899.845 | 422.5 | 928.125 | 1650 | 5900.47 | 5.90047 | 6 |
| 10-07-2024 | 35 | 21 | 28 | 6 | 55.5 | 33.5 | 2853.12375 | 390 | 928.125 | 1650 | 5821.24875 | 5.82124875 | 5.9 |

| | | | | | | | | | | | | | |
|------------|----|----|------|-----|------|------|------------|-------|---------|------|------------|------------|-----|
| 10-08-2024 | 35 | 21 | 28 | 6 | 55.5 | 33.5 | 2853.12375 | 390 | 928.125 | 1650 | 5821.24875 | 5.82124875 | 5.9 |
| 10-09-2024 | 35 | 21 | 28 | 6 | 55.5 | 33.5 | 2853.12375 | 390 | 928.125 | 1650 | 5821.24875 | 5.82124875 | 5.9 |
| 10-10-2024 | 34 | 20 | 27 | 5 | 54.5 | 32.5 | 2759.68125 | 325 | 928.125 | 1650 | 5662.80625 | 5.66280625 | 5.7 |
| 10-11-2024 | 34 | 19 | 26.5 | 4.5 | 54 | 32 | 2712.96 | 292.5 | 928.125 | 1650 | 5583.585 | 5.583585 | 5.6 |
| 10-12-2024 | 35 | 19 | 27 | 5 | 54.5 | 32.5 | 2759.68125 | 325 | 928.125 | 1650 | 5662.80625 | 5.66280625 | 5.7 |
| 10-13-2024 | 34 | 19 | 26.5 | 4.5 | 54 | 32 | 2712.96 | 292.5 | 928.125 | 1650 | 5583.585 | 5.583585 | 5.6 |
| 10-14-2024 | 34 | 20 | 27 | 5 | 54.5 | 32.5 | 2759.68125 | 325 | 928.125 | 1650 | 5662.80625 | 5.66280625 | 5.7 |
| 10-15-2024 | 34 | 19 | 26.5 | 4.5 | 54 | 32 | 2712.96 | 292.5 | 928.125 | 1650 | 5583.585 | 5.583585 | 5.6 |
| 10-16-2024 | 34 | 19 | 26.5 | 4.5 | 54 | 32 | 2712.96 | 292.5 | 928.125 | 1650 | 5583.585 | 5.583585 | 5.6 |
| 10-17-2024 | 35 | 20 | 27.5 | 5.5 | 55 | 33 | 2806.4025 | 357.5 | 928.125 | 1650 | 5742.0275 | 5.7420275 | 5.8 |
| 10-18-2024 | 35 | 20 | 27.5 | 5.5 | 55 | 33 | 2806.4025 | 357.5 | 928.125 | 1650 | 5742.0275 | 5.7420275 | 5.8 |
| 10-19-2024 | 34 | 20 | 27 | 5 | 54.5 | 32.5 | 2759.68125 | 325 | 928.125 | 1650 | 5662.80625 | 5.66280625 | 5.7 |
| 10-20-2024 | 33 | 19 | 26 | 4 | 53.5 | 31.5 | 2666.23875 | 260 | 928.125 | 1650 | 5504.36375 | 5.50436375 | 5.6 |
| 10-21-2024 | 33 | 19 | 26 | 4 | 53.5 | 31.5 | 2666.23875 | 260 | 928.125 | 1650 | 5504.36375 | 5.50436375 | 5.6 |
| 10-22-2024 | 33 | 19 | 26 | 4 | 53.5 | 31.5 | 2666.23875 | 260 | 928.125 | 1650 | 5504.36375 | 5.50436375 | 5.6 |
| 10-23-2024 | 33 | 20 | 26.5 | 4.5 | 54 | 32 | 2712.96 | 292.5 | 928.125 | 1650 | 5583.585 | 5.583585 | 5.6 |
| 10-24-2024 | 35 | 18 | 26.5 | 4.5 | 54 | 32 | 2712.96 | 292.5 | 928.125 | 1650 | 5583.585 | 5.583585 | 5.6 |
| 10-25-2024 | 35 | 17 | 26 | 4 | 53.5 | 31.5 | 2666.23875 | 260 | 928.125 | 1650 | 5504.36375 | 5.50436375 | 5.6 |
| 10-26-2024 | 34 | 17 | 25.5 | 3.5 | 53 | 31 | 2619.5175 | 227.5 | 928.125 | 1650 | 5425.1425 | 5.4251425 | 5.5 |
| 10-27-2024 | 32 | 19 | 25.5 | 3.5 | 53 | 31 | 2619.5175 | 227.5 | 928.125 | 1650 | 5425.1425 | 5.4251425 | 5.5 |
| 10-28-2024 | 33 | 21 | 27 | 5 | 54.5 | 32.5 | 2759.68125 | 325 | 928.125 | 1650 | 5662.80625 | 5.66280625 | 5.7 |
| 10-29-2024 | 34 | 20 | 27 | 5 | 54.5 | 32.5 | 2759.68125 | 325 | 928.125 | 1650 | 5662.80625 | 5.66280625 | 5.7 |
| 10-30-2024 | 34 | 20 | 27 | 5 | 54.5 | 32.5 | 2759.68125 | 325 | 928.125 | 1650 | 5662.80625 | 5.66280625 | 5.7 |
| 10-31-2024 | 34 | 18 | 26 | 4 | 53.5 | 31.5 | 2666.23875 | 260 | 928.125 | 1650 | 5504.36375 | 5.50436375 | 5.6 |
| 11-01-2024 | 35 | 18 | 26.5 | 4.5 | 54 | 32 | 2712.96 | 292.5 | 928.125 | 1650 | 5583.585 | 5.583585 | 5.6 |
| 11-02-2024 | 33 | 15 | 24 | 2 | 51.5 | 29.5 | 2479.35375 | 130 | 928.125 | 1650 | 5187.47875 | 5.18747875 | 5.2 |
| 11-03-2024 | 33 | 15 | 24 | 2 | 51.5 | 29.5 | 2479.35375 | 130 | 928.125 | 1650 | 5187.47875 | 5.18747875 | 5.2 |
| 11-04-2024 | 33 | 16 | 24.5 | 2.5 | 52 | 30 | 2526.075 | 162.5 | 928.125 | 1650 | 5266.7 | 5.2667 | 5.3 |
| 11-05-2024 | 31 | 16 | 23.5 | 1.5 | 51 | 29 | 2432.6325 | 97.5 | 928.125 | 1650 | 5108.2575 | 5.1082575 | 5.2 |
| 11-06-2024 | 31 | 17 | 24 | 2 | 51.5 | 29.5 | 2479.35375 | 130 | 928.125 | 1650 | 5187.47875 | 5.18747875 | 5.2 |
| 11-07-2024 | 30 | 19 | 24.5 | 2.5 | 52 | 30 | 2526.075 | 162.5 | 928.125 | 1650 | 5266.7 | 5.2667 | 5.3 |
| 11-08-2024 | 30 | 18 | 24 | 2 | 51.5 | 29.5 | 2479.35375 | 130 | 928.125 | 1650 | 5187.47875 | 5.18747875 | 5.2 |
| 11-09-2024 | 29 | 19 | 24 | 2 | 51.5 | 29.5 | 2479.35375 | 130 | 928.125 | 1650 | 5187.47875 | 5.18747875 | 5.2 |
| 11-10-2024 | 29 | 18 | 23.5 | 1.5 | 51 | 29 | 2432.6325 | 97.5 | 928.125 | 1650 | 5108.2575 | 5.1082575 | 5.2 |
| 11-11-2024 | 28 | 18 | 23 | 1 | 50.5 | 28.5 | 2385.91125 | 65 | 928.125 | 1650 | 5029.03625 | 5.02903625 | 5.1 |
| 11-12-2024 | 29 | 18 | 23.5 | 1.5 | 51 | 29 | 2432.6325 | 97.5 | 928.125 | 1650 | 5108.2575 | 5.1082575 | 5.2 |
| 11-13-2024 | 22 | 17 | 19.5 | 0 | 47 | 25 | 2084.0625 | 0 | 928.125 | 1650 | 4662.1875 | 0 | 0 |
| 11-14-2024 | 24 | 16 | 20 | 0 | 47.5 | 25.5 | 2125.74375 | 0 | 928.125 | 1650 | 4703.86875 | 0 | 0 |
| 11-15-2024 | 25 | 16 | 20.5 | 0 | 48 | 26 | 2167.425 | 0 | 928.125 | 1650 | 4745.55 | 0 | 0 |
| 11-16-2024 | 27 | 14 | 20.5 | 0 | 48 | 26 | 2167.425 | 0 | 928.125 | 1650 | 4745.55 | 0 | 0 |
| 11-17-2024 | 24 | 14 | 19 | 0 | 46.5 | 24.5 | 2042.38125 | 0 | 928.125 | 1650 | 4620.50625 | 0 | 0 |
| 11-18-2024 | 25 | 13 | 19 | 0 | 46.5 | 24.5 | 2042.38125 | 0 | 928.125 | 1650 | 4620.50625 | 0 | 0 |
| 11-19-2024 | 27 | 10 | 18.5 | 0 | 46 | 24 | 2000.7 | 0 | 928.125 | 1650 | 4578.825 | 0 | 0 |
| 11-20-2024 | 28 | 10 | 19 | 0 | 46.5 | 24.5 | 2042.38125 | 0 | 928.125 | 1650 | 4620.50625 | 0 | 0 |
| 11-21-2024 | 28 | 10 | 19 | 0 | 46.5 | 24.5 | 2042.38125 | 0 | 928.125 | 1650 | 4620.50625 | 0 | 0 |
| 11-22-2024 | 28 | 10 | 19 | 0 | 46.5 | 24.5 | 2042.38125 | 0 | 928.125 | 1650 | 4620.50625 | 0 | 0 |
| 11-23-2024 | 26 | 11 | 18.5 | 0 | 46 | 24 | 2000.7 | 0 | 928.125 | 1650 | 4578.825 | 0 | 0 |

| | | | | | | | | | | | | | |
|------------|----|----|------|---|------|------|------------|---|---------|------|------------|---|---|
| 11-24-2024 | 29 | 12 | 20.5 | 0 | 48 | 26 | 2167.425 | 0 | 928.125 | 1650 | 4745.55 | 0 | 0 |
| 11-25-2024 | 26 | 13 | 19.5 | 0 | 47 | 25 | 2084.0625 | 0 | 928.125 | 1650 | 4662.1875 | 0 | 0 |
| 11-26-2024 | 27 | 10 | 18.5 | 0 | 46 | 24 | 2000.7 | 0 | 928.125 | 1650 | 4578.825 | 0 | 0 |
| 11-27-2024 | 26 | 9 | 17.5 | 0 | 45 | 23 | 1917.3375 | 0 | 928.125 | 1650 | 4495.4625 | 0 | 0 |
| 11-28-2024 | 27 | 9 | 18 | 0 | 45.5 | 23.5 | 1959.01875 | 0 | 928.125 | 1650 | 4537.14375 | 0 | 0 |
| 11-29-2024 | 27 | 8 | 17.5 | 0 | 45 | 23 | 1917.3375 | 0 | 928.125 | 1650 | 4495.4625 | 0 | 0 |
| 11-30-2024 | 27 | 10 | 18.5 | 0 | 46 | 24 | 2000.7 | 0 | 928.125 | 1650 | 4578.825 | 0 | 0 |
| 12-01-2024 | 27 | 10 | 18.5 | 0 | 46 | 24 | 2000.7 | 0 | 928.125 | 1650 | 4578.825 | 0 | 0 |
| 12-02-2024 | 29 | 11 | 20 | 0 | 47.5 | 25.5 | 2125.74375 | 0 | 928.125 | 1650 | 4703.86875 | 0 | 0 |
| 12-03-2024 | 28 | 12 | 20 | 0 | 47.5 | 25.5 | 2125.74375 | 0 | 928.125 | 1650 | 4703.86875 | 0 | 0 |
| 12-04-2024 | 27 | 9 | 18 | 0 | 45.5 | 23.5 | 1959.01875 | 0 | 928.125 | 1650 | 4537.14375 | 0 | 0 |
| 12-05-2024 | 25 | 8 | 16.5 | 0 | 44 | 22 | 1833.975 | 0 | 928.125 | 1650 | 4412.1 | 0 | 0 |
| 12-06-2024 | 24 | 6 | 15 | 0 | 42.5 | 20.5 | 1708.93125 | 0 | 928.125 | 1650 | 4287.05625 | 0 | 0 |
| 12-07-2024 | 24 | 8 | 16 | 0 | 43.5 | 21.5 | 1792.29375 | 0 | 928.125 | 1650 | 4370.41875 | 0 | 0 |
| 12-08-2024 | 21 | 8 | 14.5 | 0 | 42 | 20 | 1667.25 | 0 | 928.125 | 1650 | 4245.375 | 0 | 0 |
| 12-09-2024 | 22 | 7 | 14.5 | 0 | 42 | 20 | 1667.25 | 0 | 928.125 | 1650 | 4245.375 | 0 | 0 |
| 12-10-2024 | 22 | 6 | 14 | 0 | 41.5 | 19.5 | 1625.56875 | 0 | 928.125 | 1650 | 4203.69375 | 0 | 0 |
| 12-11-2024 | 22 | 5 | 13.5 | 0 | 41 | 19 | 1583.8875 | 0 | 928.125 | 1650 | 4162.0125 | 0 | 0 |
| 12-12-2024 | 21 | 7 | 14 | 0 | 41.5 | 19.5 | 1625.56875 | 0 | 928.125 | 1650 | 4203.69375 | 0 | 0 |
| 12-13-2024 | 22 | 6 | 14 | 0 | 41.5 | 19.5 | 1625.56875 | 0 | 928.125 | 1650 | 4203.69375 | 0 | 0 |
| 12-14-2024 | 22 | 4 | 13 | 0 | 40.5 | 18.5 | 1542.20625 | 0 | 928.125 | 1650 | 4120.33125 | 0 | 0 |
| 12-15-2024 | 21 | 5 | 13 | 0 | 40.5 | 18.5 | 1542.20625 | 0 | 928.125 | 1650 | 4120.33125 | 0 | 0 |
| 12-16-2024 | 23 | 5 | 14 | 0 | 41.5 | 19.5 | 1625.56875 | 0 | 928.125 | 1650 | 4203.69375 | 0 | 0 |
| 12-17-2024 | 22 | 6 | 14 | 0 | 41.5 | 19.5 | 1625.56875 | 0 | 928.125 | 1650 | 4203.69375 | 0 | 0 |
| 12-18-2024 | 23 | 7 | 15 | 0 | 42.5 | 20.5 | 1708.93125 | 0 | 928.125 | 1650 | 4287.05625 | 0 | 0 |
| 12-19-2024 | 20 | 7 | 13.5 | 0 | 41 | 19 | 1583.8875 | 0 | 928.125 | 1650 | 4162.0125 | 0 | 0 |
| 12-20-2024 | 22 | 5 | 13.5 | 0 | 41 | 19 | 1583.8875 | 0 | 928.125 | 1650 | 4162.0125 | 0 | 0 |
| 12-21-2024 | 22 | 7 | 14.5 | 0 | 42 | 20 | 1667.25 | 0 | 928.125 | 1650 | 4245.375 | 0 | 0 |
| 12-22-2024 | 22 | 9 | 15.5 | 0 | 43 | 21 | 1750.6125 | 0 | 928.125 | 1650 | 4328.7375 | 0 | 0 |
| 12-23-2024 | 13 | 7 | 10 | 0 | 37.5 | 15.5 | 1292.11875 | 0 | 928.125 | 1650 | 3870.24375 | 0 | 0 |
| 12-24-2024 | 19 | 8 | 13.5 | 0 | 41 | 19 | 1583.8875 | 0 | 928.125 | 1650 | 4162.0125 | 0 | 0 |
| 12-25-2024 | 22 | 7 | 14.5 | 0 | 42 | 20 | 1667.25 | 0 | 928.125 | 1650 | 4245.375 | 0 | 0 |
| 12-26-2024 | 23 | 9 | 16 | 0 | 43.5 | 21.5 | 1792.29375 | 0 | 928.125 | 1650 | 4370.41875 | 0 | 0 |
| 12-27-2024 | 15 | 13 | 14 | 0 | 41.5 | 19.5 | 1625.56875 | 0 | 928.125 | 1650 | 4203.69375 | 0 | 0 |
| 12-28-2024 | 16 | 11 | 13.5 | 0 | 41 | 19 | 1583.8875 | 0 | 928.125 | 1650 | 4162.0125 | 0 | 0 |
| 12-29-2024 | 16 | 10 | 13 | 0 | 40.5 | 18.5 | 1542.20625 | 0 | 928.125 | 1650 | 4120.33125 | 0 | 0 |
| 12-30-2024 | 13 | 9 | 11 | 0 | 38.5 | 16.5 | 1375.48125 | 0 | 928.125 | 1650 | 3953.60625 | 0 | 0 |
| 12-31-2024 | 13 | 9 | 11 | 0 | 38.5 | 16.5 | 1375.48125 | 0 | 928.125 | 1650 | 3953.60625 | 0 | 0 |

| Month | Max.CDD | Outside temp | Sol air temp(Ts) | Delta T | Qc | Qv | Qs | Qi | Qm | Qmc | Qm(KW) after roundup |
|-----------|---------|--------------|------------------|---------|------------|--------|---------|------|------------|------------|----------------------|
| January | 0 | 14.5 | 42 | 20 | 1667.25 | 942.5 | 928.125 | 1650 | 5187.875 | 5.187875 | 5.2 |
| February | 0 | 19.5 | 47 | 25 | 2084.0625 | 1267.5 | 928.125 | 1650 | 5929.6875 | 5.9296875 | 6 |
| March | 5 | 27 | 54.5 | 32.5 | 2720.53125 | 1755 | 928.125 | 1650 | 7053.65625 | 7.05365625 | 7.1 |
| April | 8.5 | 30.5 | 58 | 36 | 3020.175 | 1982.5 | 928.125 | 1650 | 7580.8 | 7.5808 | 7.6 |
| May | 15 | 37 | 64.5 | 42.5 | 3576.65625 | 2405 | 928.125 | 1650 | 8559.78125 | 8.55978125 | 8.6 |
| June | 16.5 | 38.5 | 66 | 44 | 3705.075 | 2502.5 | 928.125 | 1650 | 8785.7 | 8.7857 | 8.8 |
| July | 12.5 | 34.5 | 62 | 40 | 3362.625 | 2242.5 | 928.125 | 1650 | 8183.25 | 8.18325 | 8.2 |
| August | 9.5 | 31.5 | 59 | 37 | 3105.7875 | 2047.5 | 928.125 | 1650 | 7731.4125 | 7.7314125 | 7.8 |
| September | 10.5 | 32.5 | 60 | 38 | 3191.4 | 2112.5 | 928.125 | 1650 | 7882.025 | 7.882025 | 7.9 |
| October | 8.5 | 30.5 | 58 | 36 | 3020.175 | 1982.5 | 928.125 | 1650 | 7580.8 | 7.5808 | 7.6 |
| November | 4.5 | 26.5 | 54 | 32 | 2677.725 | 1722.5 | 928.125 | 1650 | 6978.35 | 6.97835 | 7 |
| December | 0 | 20 | 47.5 | 25.5 | 2125.74375 | 1300 | 928.125 | 1650 | 6003.86875 | 6.00386875 | 6.1 |

| Month | Maximum HDD | Outside temp | Sol air temp(Ts) | Delta ts | Qc | Qv | Qs | Qi | Qm | Qmh | Qm(KW) after roundup |
|-----------|-------------|--------------|------------------|----------|------------|-------|---------|------|------------|-------------|----------------------|
| January | 8.5 | 7.5 | 35 | 19 | 1603.0125 | 552.5 | 928.125 | 1650 | -422.6125 | -0.4226125 | -0.5 |
| February | 3.5 | 12.5 | 40 | 24 | 2008.575 | 227.5 | 928.125 | 1650 | -342.05 | -0.34205 | -0.4 |
| March | 2 | 14 | 41.5 | 25.5 | 2130.24375 | 130 | 928.125 | 1650 | -317.88125 | -0.31788125 | -0.4 |
| April | 0 | 30.5 | 58 | 42 | 3501.225 | 0 | 928.125 | 1650 | 923.1 | 0.9231 | 1 |
| May | 0 | 37 | 64.5 | 48.5 | 4043.08125 | 0 | 928.125 | 1650 | 1464.95625 | 1.46495625 | 1.5 |
| June | 0 | 38.5 | 66 | 50 | 4168.125 | 0 | 928.125 | 1650 | 1590 | 1.59 | 1.6 |
| July | 0 | 34.5 | 62 | 46 | 3834.675 | 0 | 928.125 | 1650 | 1256.55 | 1.25655 | 1.3 |
| August | 0 | 31.5 | 59 | 43 | 3584.5875 | 0 | 928.125 | 1650 | 1006.4625 | 1.0064625 | 1.1 |
| September | 0 | 32.5 | 60 | 44 | 3667.95 | 0 | 928.125 | 1650 | 1089.825 | 1.089825 | 1.1 |
| October | 0 | 30.5 | 58 | 42 | 3501.225 | 0 | 928.125 | 1650 | 923.1 | 0.9231 | 1 |
| November | 0 | 26.5 | 54 | 38 | 3167.775 | 0 | 928.125 | 1650 | 589.65 | 0.58965 | 0.6 |
| December | 6 | 10 | 37.5 | 21.5 | 1805.79375 | 390 | 928.125 | 1650 | -382.33125 | -0.38233125 | -0.4 |