

Supplementary material S1

Table S1. Air conditioning energy consumption data.

| | #1 | #2 | #3 | #4 | #5 | #6 | #7 | #8 | 9# | 10# | 11# | 12# | 13# | 14# | 15# | 16# | 17# | 18# | 19# | 20# |
|-----------|------|-----|------|------|------|-----|-----|------|------|------|------|------|------|------|-----|------|------|------|------|-----|
| 2022/7/1 | 9.0 | 3.7 | 5.4 | 4.4 | 7.2 | 0.9 | 0.6 | 5.0 | 8.1 | 7.9 | 5.9 | 4.0 | 4.5 | 1.0 | 0.5 | 5.5 | 6.5 | 4.1 | 4.9 | 0.7 |
| 2022/7/2 | 13.4 | 5.0 | 2.9 | 4.5 | 10.6 | 2.8 | 2.3 | 7.3 | 12.1 | 11.7 | 3.2 | 4.1 | 6.6 | 3.1 | 2.1 | 8.0 | 9.5 | 5.5 | 2.6 | 2.5 |
| 2022/7/3 | 6.8 | 6.5 | 1.7 | 6.5 | 14.8 | 2.9 | 3.2 | 3.4 | 6.1 | 16.3 | 1.9 | 5.9 | 3.1 | 3.2 | 2.9 | 3.7 | 13.3 | 7.2 | 1.5 | 3.5 |
| 2022/7/4 | 21.5 | 5.3 | 2.0 | 0.7 | 20.1 | 4.8 | 2.2 | 6.9 | 19.4 | 22.1 | 2.2 | 0.6 | 6.2 | 5.3 | 2.0 | 7.6 | 18.1 | 5.8 | 1.8 | 2.4 |
| 2022/7/5 | 6.8 | 4.5 | 2.1 | 4.4 | 15.9 | 4.6 | 1.6 | 4.0 | 6.1 | 17.5 | 2.3 | 4.0 | 3.6 | 5.1 | 1.4 | 4.4 | 14.3 | 5.0 | 1.9 | 1.8 |
| 2022/7/6 | 4.6 | 4.3 | 3.5 | 3.3 | 10.8 | 4.1 | 1.8 | 4.3 | 4.1 | 11.9 | 3.9 | 3.0 | 3.9 | 4.5 | 1.6 | 4.7 | 9.7 | 4.7 | 3.2 | 2.0 |
| 2022/7/7 | 14.9 | 4.0 | 3.3 | 2.8 | 14.8 | 1.9 | 1.4 | 3.3 | 13.4 | 16.3 | 3.6 | 2.5 | 3.0 | 2.1 | 1.3 | 3.6 | 13.3 | 4.4 | 3.0 | 1.5 |
| 2022/7/8 | 12.7 | 4.8 | 4.7 | 6.2 | 16.3 | 3.6 | 2.1 | 4.5 | 11.4 | 17.9 | 5.2 | 5.6 | 4.1 | 4.0 | 1.9 | 5.0 | 14.7 | 5.3 | 4.2 | 2.3 |
| 2022/7/9 | 26.8 | 4.9 | 6.9 | 12.5 | 16.7 | 4.9 | 3.2 | 7.9 | 24.1 | 18.4 | 7.6 | 11.3 | 7.1 | 5.4 | 2.9 | 8.7 | 15.0 | 5.4 | 6.2 | 3.5 |
| 2022/7/10 | 9.1 | 6.2 | 7.2 | 7.1 | 17.3 | 4.8 | 6.2 | 7.1 | 8.2 | 19.0 | 7.9 | 6.4 | 6.4 | 5.3 | 5.6 | 7.8 | 15.6 | 6.8 | 6.5 | 6.8 |
| 2022/7/11 | 10.8 | 7.2 | 6.5 | 7.0 | 19.6 | 6.2 | 4.1 | 15.7 | 9.7 | 21.6 | 7.2 | 6.3 | 14.1 | 6.8 | 3.7 | 17.3 | 17.6 | 7.9 | 5.9 | 4.5 |
| 2022/7/12 | 8.6 | 7.4 | 10.2 | 12.7 | 19.9 | 7.6 | 4.2 | 17.7 | 7.7 | 21.9 | 11.2 | 11.4 | 15.9 | 8.4 | 3.8 | 19.5 | 17.9 | 8.1 | 9.2 | 4.6 |
| 2022/7/13 | 20.5 | 6.4 | 7.9 | 9.6 | 19.6 | 7.0 | 3.1 | 12.2 | 18.5 | 21.6 | 8.7 | 8.6 | 11.0 | 7.7 | 2.8 | 13.4 | 17.6 | 7.0 | 7.1 | 3.4 |
| 2022/7/14 | 16.4 | 6.0 | 8.5 | 11.4 | 19.9 | 5.0 | 3.7 | 15.1 | 14.8 | 21.9 | 9.4 | 10.3 | 13.6 | 5.5 | 3.3 | 16.6 | 17.9 | 6.6 | 7.7 | 4.1 |
| 2022/7/15 | 13.9 | 7.0 | 17.3 | 4.8 | 20.1 | 9.6 | 4.4 | 15.1 | 12.5 | 22.1 | 19.0 | 4.3 | 13.6 | 10.6 | 4.0 | 16.6 | 18.1 | 7.7 | 15.6 | 4.8 |
| 2022/7/16 | 15.6 | 8.2 | 12.3 | 7.9 | 17.3 | 7.7 | 4.1 | 11.2 | 14.0 | 19.0 | 13.5 | 7.1 | 10.1 | 8.5 | 3.7 | 12.3 | 15.6 | 9.0 | 11.1 | 4.5 |
| 2022/7/17 | 17.2 | 7.0 | 11.5 | 2.3 | 17.4 | 3.9 | 5.2 | 17.2 | 15.5 | 19.1 | 12.7 | 2.1 | 15.5 | 4.3 | 4.7 | 18.9 | 15.7 | 7.7 | 10.4 | 5.7 |
| 2022/7/18 | 11.3 | 5.4 | 10.1 | 1.2 | 16.7 | 3.6 | 3.1 | 10.2 | 10.2 | 18.4 | 11.1 | 1.1 | 9.2 | 4.0 | 2.8 | 11.2 | 15.0 | 5.9 | 9.1 | 3.4 |
| 2022/7/19 | 19.9 | 5.2 | 7.2 | 3.5 | 15.4 | 2.9 | 2.6 | 12.6 | 17.9 | 16.9 | 7.9 | 3.2 | 11.3 | 3.2 | 2.3 | 13.9 | 13.9 | 5.7 | 6.5 | 2.9 |
| 2022/7/20 | 14.1 | 4.1 | 10.9 | 1.9 | 18.3 | 4.0 | 3.2 | 9.1 | 12.7 | 20.1 | 12.0 | 1.7 | 8.2 | 4.4 | 2.9 | 10.0 | 16.5 | 4.5 | 9.8 | 3.5 |
| 2022/7/21 | 13.7 | 6.6 | 11.9 | 8.3 | 19.4 | 5.5 | 2.4 | 17.5 | 12.3 | 21.3 | 13.1 | 7.5 | 15.8 | 6.1 | 2.2 | 19.3 | 17.5 | 7.3 | 10.7 | 2.6 |
| 2022/7/22 | 14.0 | 7.8 | 10.8 | 9.4 | 19.8 | 3.1 | 1.7 | 15.3 | 12.6 | 21.8 | 11.9 | 8.5 | 13.8 | 3.4 | 1.5 | 16.8 | 17.8 | 8.6 | 9.7 | 1.9 |
| 2022/7/23 | 19.8 | 9.3 | 10.2 | 4.2 | 17.7 | 3.1 | 3.5 | 15.4 | 17.8 | 19.5 | 11.2 | 3.8 | 13.9 | 3.4 | 3.2 | 16.9 | 15.9 | 10.2 | 9.2 | 3.9 |
| 2022/7/24 | 18.6 | 6.7 | 12.6 | 3.0 | 17.0 | 5.4 | 5.8 | 12.7 | 16.7 | 18.7 | 13.9 | 2.7 | 11.4 | 5.9 | 5.2 | 14.0 | 15.3 | 7.4 | 11.3 | 6.4 |
| 2022/7/25 | 23.6 | 7.3 | 10.6 | 8.6 | 19.4 | 3.8 | 3.2 | 9.5 | 21.2 | 21.3 | 11.7 | 7.7 | 8.6 | 4.2 | 2.9 | 10.5 | 17.5 | 8.0 | 9.5 | 3.5 |
| 2022/7/26 | 19.6 | 8.0 | 13.5 | 9.9 | 19.5 | 2.9 | 3.8 | 11.1 | 17.6 | 21.5 | 14.9 | 8.9 | 10.0 | 3.2 | 3.4 | 12.2 | 17.6 | 8.8 | 12.2 | 4.2 |
| 2022/7/27 | 21.3 | 7.1 | 15.6 | 7.3 | 19.7 | 6.8 | 3.9 | 15.9 | 19.2 | 21.7 | 17.2 | 6.6 | 14.3 | 7.5 | 3.5 | 17.5 | 17.7 | 7.8 | 14.0 | 4.3 |
| 2022/7/28 | 20.4 | 6.5 | 13.8 | 6.7 | 19.8 | 5.6 | 4.7 | 19.6 | 18.4 | 21.8 | 15.2 | 6.0 | 17.6 | 6.2 | 4.2 | 21.6 | 17.8 | 7.2 | 12.4 | 5.2 |
| 2022/7/29 | 14.4 | 7.7 | 10.3 | 4.0 | 15.7 | 3.7 | 3.3 | 13.8 | 13.0 | 17.3 | 11.3 | 3.6 | 12.4 | 4.1 | 3.0 | 15.2 | 14.1 | 8.5 | 9.3 | 3.6 |
| 2022/7/30 | 10.3 | 6.0 | 9.8 | 6.0 | 12.5 | 2.3 | 2.7 | 8.0 | 9.3 | 13.8 | 10.8 | 5.4 | 7.2 | 2.5 | 2.4 | 8.8 | 11.3 | 6.6 | 8.8 | 3.0 |

Table S1. (continued)

| | #1 | #2 | #3 | #4 | #5 | #6 | #7 | #8 | 9# | 10# | 11# | 12# | 13# | 14# | 15# | 16# | 17# | 18# | 19# | 20# |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 2022/7/31 | 9.8 | 4.2 | 8.3 | 2.9 | 12.7 | 4.7 | 4.8 | 9.6 | 8.8 | 14.0 | 9.1 | 2.6 | 8.6 | 5.2 | 4.3 | 10.6 | 11.4 | 4.6 | 7.5 | 5.3 |
| 2022/8/1 | 18.9 | 2.6 | 7.8 | 3.8 | 17.4 | 2.6 | 3.0 | 10.6 | 17.0 | 19.1 | 8.6 | 3.4 | 9.5 | 2.9 | 2.7 | 11.7 | 15.7 | 2.9 | 7.0 | 3.3 |
| 2022/8/2 | 17.1 | 0* | 8.5 | 3.9 | 15.2 | 5.0 | 2.5 | 11.7 | 15.4 | 16.7 | 9.4 | 3.5 | 10.5 | 5.5 | 2.3 | 12.9 | 13.7 | 5.6 | 7.7 | 2.8 |
| 2022/8/3 | 16.1 | 0* | 11.6 | 3.0 | 16.0 | 3.7 | 2.8 | 15.4 | 14.5 | 17.6 | 12.8 | 2.7 | 13.9 | 4.1 | 2.5 | 16.9 | 14.4 | 5.9 | 10.4 | 3.1 |
| 2022/8/4 | 14.9 | 0* | 12.0 | 3.8 | 11.0 | 3.2 | 3.3 | 13.2 | 13.4 | 12.1 | 13.2 | 3.4 | 11.9 | 3.5 | 3.0 | 14.5 | 9.9 | 5.8 | 10.8 | 3.6 |
| 2022/8/5 | 12.2 | 0* | 12.1 | 3.5 | 15.4 | 6.2 | 3.0 | 10.5 | 11.0 | 16.9 | 13.3 | 3.2 | 9.5 | 6.8 | 2.7 | 11.6 | 13.9 | 7.8 | 10.9 | 3.3 |
| 2022/8/6 | 21.3 | 0* | 13.2 | 4.1 | 17.6 | 2.9 | 3.5 | 11.5 | 19.2 | 19.4 | 14.5 | 3.7 | 10.4 | 3.2 | 3.2 | 12.7 | 15.8 | 0* | 11.9 | 3.9 |
| 2022/8/7 | 18.0 | 5.1 | 3.5 | 0* | 17.5 | 8.1 | 5.4 | 12.4 | 16.2 | 19.3 | 3.9 | 0* | 11.2 | 8.9 | 4.9 | 13.6 | 15.8 | 0* | 3.2 | 5.9 |
| 2022/8/8 | 13.9 | 5.4 | 0* | 0* | 18.9 | 5.7 | 2.8 | 9.2 | 12.5 | 20.8 | 0* | 0* | 8.3 | 6.3 | 2.5 | 10.1 | 17.0 | 0* | 0* | 3.1 |
| 2022/8/9 | 23.5 | 5.3 | 0* | 0* | 11.2 | 3.1 | 3.5 | 13.6 | 21.2 | 12.3 | 0* | 0* | 12.2 | 3.4 | 3.2 | 15.0 | 10.1 | 0* | 0* | 3.9 |
| 2022/8/10 | 20.9 | 7.1 | 0* | 0* | 3.2 | 3.2 | 3.7 | 15.1 | 18.8 | 3.5 | 0* | 0* | 13.6 | 3.5 | 3.3 | 16.6 | 2.9 | 0* | 0* | 4.1 |
| 2022/8/11 | 13.1 | 6.3 | 0* | 0* | 0* | 1.7 | 1.6 | 8.8 | 11.8 | 0* | 0* | 0* | 7.9 | 1.9 | 1.4 | 9.7 | 0* | 0* | 0* | 1.8 |
| 2022/8/12 | 11.2 | 10.4 | 0* | 0* | 0* | 3.4 | 5.1 | 13.8 | 10.1 | 0* | 0* | 0* | 12.4 | 3.7 | 4.6 | 15.2 | 0* | 0* | 0* | 5.6 |
| 2022/8/13 | 0* | 5.7 | 0* | 0.4 | 6.6 | 5.7 | 4.6 | 12.0 | 0* | 7.3 | 0* | 0.4 | 10.8 | 6.3 | 4.1 | 13.2 | 5.9 | 0* | 0* | 5.1 |
| 2022/8/14 | 0* | 5.0 | 0* | 0.3 | 18.8 | 7.6 | 6.7 | 14.0 | 0* | 20.7 | 0* | 0.3 | 12.6 | 8.4 | 6.0 | 15.4 | 16.9 | 0* | 0* | 7.4 |
| 2022/8/15 | 5.6 | 0* | 3.2 | 1.7 | 20.1 | 3.9 | 2.0 | 9.7 | 5.0 | 22.1 | 3.5 | 1.5 | 8.7 | 4.3 | 1.8 | 10.7 | 18.1 | 0* | 2.9 | 2.2 |
| 2022/8/16 | 29.0 | 0* | 16.3 | 12.8 | 20.2 | 2.0 | 4.5 | 17.7 | 26.1 | 22.2 | 17.9 | 11.5 | 15.9 | 2.2 | 4.1 | 19.5 | 18.2 | 0* | 14.7 | 5.0 |
| 2022/8/17 | 28.3 | 0* | 22.2 | 5.3 | 18.5 | 7.6 | 3.7 | 19.4 | 25.5 | 20.4 | 24.4 | 4.8 | 17.5 | 8.4 | 3.3 | 21.3 | 16.7 | 0* | 0* | 4.1 |
| 2022/8/18 | 28.2 | 0* | 15.0 | 10.8 | 20.0 | 4.4 | 2.1 | 12.2 | 25.4 | 22.0 | 16.5 | 9.7 | 11.0 | 4.8 | 1.9 | 13.4 | 18.0 | 6.9 | 13.5 | 2.3 |
| 2022/8/19 | 26.2 | 0* | 19.1 | 15.6 | 19.3 | 6.1 | 0* | 12.9 | 23.6 | 21.2 | 21.0 | 14.0 | 11.6 | 6.7 | 0* | 14.2 | 17.4 | 11.4 | 17.2 | 0* |
| 2022/8/20 | 25.4 | 0* | 18.6 | 9.4 | 18.7 | 5.7 | 0* | 14.4 | 22.9 | 20.6 | 20.5 | 8.5 | 13.0 | 6.3 | 0* | 15.8 | 16.8 | 6.3 | 16.7 | 0* |
| 2022/8/21 | 23.1 | 0* | 15.1 | 6.8 | 19.6 | 9.3 | 0* | 14.9 | 20.8 | 21.6 | 16.6 | 6.1 | 13.4 | 10.2 | 0* | 16.4 | 17.6 | 5.5 | 13.6 | 0* |
| 2022/8/22 | 23.3 | 8.8 | 15.7 | 9.1 | 18.2 | 4.3 | 2.0 | 12.5 | 21.0 | 20.0 | 17.3 | 8.2 | 11.3 | 4.7 | 1.8 | 13.8 | 16.4 | 9.7 | 14.1 | 2.2 |
| 2022/8/23 | 22.5 | 13.3 | 15.0 | 6.9 | 18.2 | 4.4 | 7.1 | 14.5 | 20.3 | 20.0 | 16.5 | 6.2 | 13.1 | 4.8 | 6.4 | 16.0 | 16.4 | 14.6 | 13.5 | 7.8 |
| 2022/8/24 | 19.1 | 9.7 | 13.8 | 5.9 | 18.8 | 7.5 | 4.8 | 12.3 | 17.2 | 20.7 | 15.2 | 5.3 | 11.1 | 8.3 | 4.3 | 13.5 | 16.9 | 10.7 | 12.4 | 5.3 |
| 2022/8/25 | 20.0 | 7.2 | 14.9 | 6.0 | 19.2 | 2.9 | 3.6 | 9.6 | 18.0 | 21.1 | 16.4 | 5.4 | 8.6 | 3.2 | 3.2 | 10.6 | 17.3 | 7.9 | 13.4 | 4.0 |
| 2022/8/26 | 17.4 | 7.6 | 13.8 | 12.5 | 18.2 | 3.1 | 4.3 | 8.8 | 15.7 | 20.0 | 15.2 | 11.3 | 7.9 | 3.4 | 3.9 | 9.7 | 16.4 | 8.4 | 12.4 | 4.7 |
| 2022/8/27 | 19.5 | 9.1 | 15.1 | 7.2 | 15.6 | 4.2 | 4.4 | 13.2 | 17.6 | 17.2 | 16.6 | 6.5 | 11.9 | 4.6 | 4.0 | 14.5 | 14.0 | 10.0 | 13.6 | 4.8 |
| 2022/8/28 | 22.6 | 0* | 13.5 | 8.4 | 16.1 | 5.5 | 5.2 | 11.4 | 20.3 | 17.7 | 14.9 | 7.6 | 10.3 | 6.1 | 4.7 | 12.5 | 14.5 | 0* | 12.2 | 5.7 |
| 2022/8/29 | 17.5 | 0* | 12.9 | 5.2 | 18.8 | 3.7 | 3.8 | 8.6 | 15.8 | 20.7 | 14.2 | 4.7 | 7.7 | 4.1 | 3.4 | 9.5 | 16.9 | 0* | 11.6 | 4.2 |
| 2022/8/30 | 5.9 | 0* | 8.7 | 6.7 | 14.4 | 2.3 | 2.4 | 6.2 | 5.3 | 15.8 | 9.6 | 6.0 | 5.6 | 2.5 | 2.2 | 6.8 | 13.0 | 0* | 7.8 | 2.6 |
| 2022/8/31 | 0.7 | 0* | 1.4 | 1.5 | 6.3 | 2.0 | 0* | 1.4 | 0.6 | 6.9 | 1.5 | 1.4 | 1.3 | 2.2 | 0* | 1.5 | 5.7 | 2.8 | 1.3 | 0* |
| Total | 994.8 | 301.4 | 572.5 | 339.6 | 990.9 | 280.7 | 203.5 | 709.7 | 895.32 | 1089.99 | 629.75 | 305.64 | 638.73 | 308.77 | 183.15 | 780.67 | 891.81 | 331.54 | 515.25 | 223.85 |

Table S1. (continued)

| | 21# | 22# | 23# | 24# | 25# | 26# | 27# | 28# | 29# | 30# | 31# | 32# | 33# | 34# | 35# | 36# | 37# | 38# | 39# | 40# |
|-----------|------|-----|------|-----|------|------|------|------|------|------|-----|------|------|------|------|-----|------|-----|------|-----|
| 2022/7/1 | 9.9 | 0.8 | 4.8 | 3.3 | 10.8 | 8.6 | 6.5 | 5.3 | 6.0 | 1.1 | 0.7 | 4.4 | 5.8 | 4.0 | 4.3 | 0.5 | 7.2 | 0.7 | 3.5 | 3.0 |
| 2022/7/2 | 14.7 | 2.5 | 5.0 | 4.5 | 16.1 | 12.7 | 3.5 | 5.4 | 8.8 | 3.4 | 2.8 | 6.0 | 8.5 | 5.8 | 2.3 | 1.8 | 10.7 | 2.2 | 3.6 | 4.0 |
| 2022/7/3 | 7.5 | 2.6 | 7.2 | 5.9 | 8.2 | 17.8 | 2.0 | 7.8 | 4.1 | 3.5 | 3.8 | 7.8 | 11.8 | 2.7 | 1.4 | 2.6 | 5.4 | 2.3 | 5.2 | 5.2 |
| 2022/7/4 | 23.7 | 4.3 | 0.8 | 4.8 | 25.8 | 24.1 | 2.4 | 0.8 | 8.3 | 5.8 | 2.6 | 6.4 | 16.1 | 5.5 | 1.6 | 1.8 | 17.2 | 3.8 | 0.6 | 4.2 |
| 2022/7/5 | 7.5 | 4.1 | 4.8 | 4.1 | 8.2 | 19.1 | 2.5 | 5.3 | 4.8 | 5.5 | 1.9 | 5.4 | 12.7 | 3.2 | 1.7 | 1.3 | 5.4 | 3.7 | 3.5 | 3.6 |
| 2022/7/6 | 5.1 | 3.7 | 3.6 | 3.9 | 5.5 | 13.0 | 4.2 | 4.0 | 5.2 | 4.9 | 2.2 | 5.2 | 8.6 | 3.4 | 2.8 | 1.4 | 3.7 | 3.3 | 2.6 | 3.4 |
| 2022/7/7 | 16.4 | 1.7 | 3.1 | 3.6 | 17.9 | 17.8 | 4.0 | 3.4 | 4.0 | 2.3 | 1.7 | 4.8 | 11.8 | 2.6 | 2.6 | 1.1 | 11.9 | 1.5 | 2.2 | 3.2 |
| 2022/7/8 | 14.0 | 3.2 | 6.8 | 4.3 | 15.2 | 19.6 | 5.6 | 7.4 | 5.4 | 4.3 | 2.5 | 5.8 | 13.0 | 3.6 | 3.8 | 1.7 | 10.2 | 2.9 | 5.0 | 3.8 |
| 2022/7/9 | 28.5 | 4.4 | 13.8 | 4.4 | 28.2 | 20.0 | 8.3 | 15.0 | 9.5 | 5.9 | 3.8 | 5.9 | 13.4 | 6.3 | 5.5 | 2.6 | 21.4 | 3.9 | 10.0 | 3.9 |
| 2022/7/10 | 11.0 | 4.3 | 7.8 | 5.6 | 14.9 | 20.8 | 8.6 | 8.5 | 8.5 | 5.8 | 7.4 | 7.4 | 13.8 | 5.7 | 5.8 | 5.0 | 7.3 | 3.8 | 5.7 | 5.0 |
| 2022/7/11 | 11.9 | 5.6 | 7.7 | 6.5 | 13.0 | 23.5 | 7.8 | 8.4 | 18.8 | 7.4 | 4.9 | 8.6 | 15.7 | 12.6 | 5.2 | 3.3 | 8.6 | 5.0 | 5.6 | 5.8 |
| 2022/7/12 | 9.5 | 6.8 | 14.0 | 6.7 | 10.3 | 23.9 | 12.2 | 15.2 | 21.2 | 9.1 | 5.0 | 8.9 | 15.9 | 14.2 | 8.2 | 3.4 | 6.9 | 6.1 | 10.2 | 5.9 |
| 2022/7/13 | 22.6 | 6.3 | 10.6 | 5.8 | 24.6 | 23.5 | 9.5 | 11.5 | 14.6 | 8.4 | 3.7 | 7.7 | 15.7 | 9.8 | 6.3 | 2.5 | 16.4 | 5.6 | 7.7 | 5.1 |
| 2022/7/14 | 18.0 | 4.5 | 12.5 | 5.4 | 19.7 | 23.9 | 10.2 | 13.7 | 18.1 | 6.0 | 4.4 | 7.2 | 15.9 | 12.1 | 6.8 | 3.0 | 13.1 | 4.0 | 9.1 | 4.8 |
| 2022/7/15 | 15.3 | 8.6 | 5.3 | 6.3 | 16.7 | 24.1 | 20.8 | 5.8 | 18.1 | 11.5 | 5.3 | 8.4 | 16.1 | 12.1 | 13.8 | 3.5 | 11.1 | 7.7 | 3.8 | 5.6 |
| 2022/7/16 | 17.2 | 6.9 | 8.7 | 7.4 | 18.7 | 20.8 | 14.8 | 9.5 | 13.4 | 9.2 | 4.9 | 9.8 | 13.8 | 9.0 | 9.8 | 3.3 | 12.5 | 6.2 | 6.3 | 6.6 |
| 2022/7/17 | 18.9 | 3.5 | 2.5 | 6.3 | 20.6 | 20.9 | 13.8 | 2.8 | 20.6 | 4.7 | 6.2 | 8.4 | 13.9 | 13.8 | 9.2 | 4.2 | 13.8 | 3.1 | 1.8 | 5.6 |
| 2022/7/18 | 12.4 | 3.2 | 1.3 | 4.9 | 13.6 | 20.0 | 12.1 | 1.4 | 12.2 | 4.3 | 3.7 | 6.5 | 13.4 | 8.2 | 8.1 | 2.5 | 9.0 | 2.9 | 1.0 | 4.3 |
| 2022/7/19 | 21.9 | 2.6 | 3.9 | 4.7 | 23.9 | 18.5 | 8.6 | 4.2 | 15.1 | 3.5 | 3.1 | 6.2 | 12.3 | 10.1 | 5.8 | 2.1 | 15.9 | 2.3 | 2.8 | 4.2 |
| 2022/7/20 | 15.5 | 3.6 | 2.1 | 3.7 | 16.9 | 22.0 | 13.1 | 2.3 | 10.9 | 4.8 | 3.8 | 4.9 | 14.6 | 7.3 | 8.7 | 2.6 | 11.3 | 3.2 | 1.5 | 3.3 |
| 2022/7/21 | 15.1 | 5.0 | 9.1 | 5.9 | 16.4 | 23.3 | 14.3 | 10.0 | 21.0 | 6.6 | 2.9 | 7.9 | 15.5 | 14.0 | 9.5 | 1.9 | 11.0 | 4.4 | 6.6 | 5.3 |
| 2022/7/22 | 15.4 | 2.8 | 10.3 | 7.0 | 16.8 | 23.8 | 13.0 | 11.3 | 18.4 | 3.7 | 2.0 | 9.4 | 15.8 | 12.2 | 8.6 | 1.4 | 11.2 | 2.5 | 7.5 | 6.2 |
| 2022/7/23 | 21.8 | 2.8 | 4.6 | 8.4 | 23.8 | 21.2 | 12.2 | 5.0 | 18.5 | 3.7 | 4.2 | 11.2 | 14.2 | 12.3 | 8.2 | 2.8 | 15.8 | 2.5 | 3.4 | 7.4 |
| 2022/7/24 | 20.5 | 4.9 | 3.3 | 6.0 | 22.3 | 20.4 | 15.1 | 3.6 | 15.2 | 6.5 | 7.0 | 8.0 | 13.6 | 10.2 | 10.1 | 4.6 | 14.9 | 4.3 | 2.4 | 5.4 |
| 2022/7/25 | 26.0 | 3.4 | 9.5 | 6.6 | 28.3 | 23.3 | 12.7 | 10.3 | 11.4 | 4.6 | 3.8 | 8.8 | 15.5 | 7.6 | 8.5 | 2.6 | 18.9 | 3.0 | 6.9 | 5.8 |
| 2022/7/26 | 21.6 | 2.6 | 10.9 | 7.2 | 23.5 | 23.4 | 16.2 | 11.9 | 13.3 | 3.5 | 4.6 | 9.6 | 15.6 | 8.9 | 10.8 | 3.0 | 15.7 | 2.3 | 7.9 | 6.4 |
| 2022/7/27 | 23.4 | 6.1 | 8.0 | 6.4 | 25.6 | 23.6 | 18.7 | 8.8 | 19.1 | 8.2 | 4.7 | 8.5 | 15.8 | 12.7 | 12.5 | 3.1 | 17.0 | 5.4 | 5.8 | 5.7 |
| 2022/7/28 | 22.4 | 5.0 | 7.4 | 5.9 | 24.5 | 23.8 | 16.6 | 8.0 | 23.5 | 6.7 | 5.6 | 7.8 | 15.8 | 15.7 | 11.0 | 3.8 | 16.3 | 4.5 | 5.4 | 5.2 |
| 2022/7/29 | 15.8 | 3.3 | 4.4 | 6.9 | 17.3 | 18.8 | 12.4 | 4.8 | 16.6 | 4.4 | 4.0 | 9.2 | 12.6 | 11.0 | 8.2 | 2.6 | 11.5 | 3.0 | 3.2 | 6.2 |
| 2022/7/30 | 11.3 | 2.1 | 6.6 | 5.4 | 12.4 | 15.0 | 11.8 | 7.2 | 9.6 | 2.8 | 3.2 | 7.2 | 10.0 | 6.4 | 7.8 | 2.2 | 8.2 | 1.8 | 4.8 | 4.8 |
| 2022/7/31 | 10.8 | 4.2 | 3.2 | 3.8 | 11.8 | 15.2 | 10.0 | 3.5 | 11.5 | 5.6 | 5.8 | 5.0 | 10.2 | 7.7 | 6.6 | 3.8 | 7.8 | 3.8 | 2.3 | 3.4 |
| 2022/8/1 | 20.8 | 2.3 | 4.2 | 2.3 | 22.7 | 20.9 | 9.4 | 4.6 | 12.7 | 3.1 | 3.6 | 3.1 | 13.9 | 8.5 | 6.2 | 2.4 | 15.1 | 2.1 | 3.0 | 2.1 |

Table S1. (continued)

| | 21# | 22# | 23# | 24# | 25# | 26# | 27# | 28# | 29# | 30# | 31# | 32# | 33# | 34# | 35# | 36# | 37# | 38# | 39# | 40# |
|--------------|----------------|---------------|---------------|---------------|----------------|----------------|------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|------------|--------------|---------------|---------------|---------------|---------------|
| 2022/8/2 | 18.8 | 4.5 | 4.3 | 0* | 20.5 | 18.2 | 10.2 | 4.7 | 14.0 | 6.0 | 3.0 | 6.1 | 12.2 | 9.4 | 6.8 | 2.0 | 13.7 | 4.0 | 3.1 | 0* |
| 2022/8/3 | 17.7 | 3.3 | 3.3 | 0* | 19.3 | 19.2 | 13.9 | 3.6 | 18.5 | 4.4 | 3.4 | 6.5 | 12.8 | 12.3 | 9.3 | 2.2 | 12.9 | 3.0 | 2.4 | 0* |
| 2022/8/4 | 16.4 | 2.9 | 4.2 | 0* | 17.9 | 13.2 | 14.4 | 4.6 | 15.8 | 3.8 | 4.0 | 0* | 8.8 | 10.6 | 9.6 | 2.6 | 11.9 | 2.6 | 3.0 | 0* |
| 2022/8/5 | 13.4 | 5.6 | 3.9 | 0* | 14.6 | 18.5 | 14.5 | 4.2 | 12.6 | 7.4 | 3.6 | 0* | 12.3 | 8.4 | 9.7 | 2.4 | 9.8 | 5.0 | 2.8 | 0* |
| 2022/8/6 | 23.4 | 2.6 | 4.5 | 0* | 25.6 | 21.1 | 15.8 | 4.9 | 13.8 | 3.5 | 4.2 | 0* | 14.1 | 9.2 | 10.6 | 2.8 | 17.0 | 2.3 | 3.3 | 0* |
| 2022/8/7 | 0* | 7.3 | 0* | 4.6 | 0* | 21.0 | 0* | 0.0 | 14.9 | 9.7 | 6.5 | 0* | 14.0 | 9.9 | 0* | 4.3 | 14.4 | 6.5 | 0* | 4.1 |
| 2022/8/8 | 0* | 5.1 | 0* | 4.9 | 0* | 22.7 | 0* | 0.0 | 11.0 | 6.8 | 3.4 | 0* | 15.1 | 7.4 | 0* | 2.2 | 11.1 | 4.6 | 0* | 4.3 |
| 2022/8/9 | 0* | 2.8 | 0* | 4.8 | 0* | 13.4 | 0* | 0.0 | 16.3 | 3.7 | 4.2 | 0* | 9.0 | 10.9 | 0* | 2.8 | 18.8 | 2.5 | 0* | 4.2 |
| 2022/8/10 | 0* | 2.9 | 0* | 6.4 | 0* | 3.8 | 0* | 0.0 | 18.1 | 3.8 | 4.4 | 0* | 2.6 | 12.1 | 0* | 3.0 | 16.7 | 2.6 | 0* | 5.7 |
| 2022/8/11 | 0* | 1.5 | 0* | 5.7 | 0* | 0.0 | 0* | 0.0 | 10.6 | 2.0 | 1.9 | 0* | 0* | 7.0 | 0* | 1.3 | 10.5 | 1.4 | 0* | 5.0 |
| 2022/8/12 | 0* | 3.1 | 0* | 9.4 | 0* | 0.0 | 0* | 0.0 | 16.6 | 4.1 | 6.1 | 0* | 0* | 11.0 | 0* | 4.1 | 9.0 | 2.7 | 0* | 8.3 |
| 2022/8/13 | 0* | 5.1 | 0.4 | 5.1 | 0* | 7.9 | 0* | 0.5 | 14.4 | 6.8 | 5.5 | 0* | 5.3 | 9.6 | 0* | 3.7 | 0* | 4.6 | 0.3 | 4.6 |
| 2022/8/14 | 0* | 6.8 | 0.3 | 4.5 | 0* | 22.6 | 0* | 0.4 | 16.8 | 9.1 | 8.0 | 0* | 15.0 | 11.2 | 0* | 5.4 | 0* | 6.1 | 0.2 | 4.0 |
| 2022/8/15 | 15.2 | 3.5 | 1.9 | 0* | 27.7 | 24.1 | 3.8 | 2.0 | 11.6 | 4.7 | 0* | 0.0 | 16.1 | 7.8 | 2.6 | 0* | 4.5 | 3.1 | 1.4 | 0* |
| 2022/8/16 | 28.9 | 1.8 | 14.1 | 0* | 28.8 | 24.2 | 19.6 | 15.4 | 21.2 | 2.4 | 0* | 0.0 | 16.2 | 14.2 | 13.0 | 0* | 23.2 | 1.6 | 10.2 | 0* |
| 2022/8/17 | 28.1 | 6.8 | 5.8 | 0* | 29.0 | 22.2 | 26.6 | 6.4 | 23.3 | 9.1 | 0* | 0.0 | 14.8 | 15.5 | 17.8 | 0* | 22.6 | 6.1 | 4.2 | 0* |
| 2022/8/18 | 28.0 | 4.0 | 11.9 | 0* | 27.8 | 24.0 | 18.0 | 13.0 | 14.6 | 5.3 | 0* | 7.6 | 16.0 | 9.8 | 12.0 | 0* | 22.6 | 3.5 | 8.6 | 0* |
| 2022/8/19 | 28.8 | 5.5 | 17.2 | 0* | 28.4 | 23.2 | 22.9 | 18.7 | 15.5 | 7.3 | 0* | 12.5 | 15.4 | 10.3 | 15.3 | 0* | 21.0 | 4.9 | 12.5 | 0* |
| 2022/8/20 | 27.9 | 5.1 | 10.3 | 0* | 28.5 | 22.4 | 22.3 | 11.3 | 17.3 | 6.8 | 0* | 6.8 | 15.0 | 11.5 | 14.9 | 0* | 20.3 | 4.6 | 7.5 | 0* |
| 2022/8/21 | 25.4 | 8.4 | 7.5 | 0* | 27.7 | 23.5 | 18.1 | 8.2 | 17.9 | 11.2 | 0* | 6.0 | 15.7 | 11.9 | 12.1 | 0* | 18.5 | 7.4 | 5.4 | 0* |
| 2022/8/22 | 25.6 | 3.9 | 10.0 | 7.9 | 28.0 | 21.8 | 18.8 | 10.9 | 15.0 | 5.2 | 2.4 | 10.6 | 14.6 | 10.0 | 12.6 | 1.6 | 18.6 | 3.4 | 7.3 | 7.0 |
| 2022/8/23 | 24.8 | 4.0 | 7.6 | 12.0 | 27.0 | 21.8 | 18.0 | 8.3 | 17.4 | 5.3 | 8.5 | 16.0 | 14.6 | 11.6 | 12.0 | 5.7 | 18.0 | 3.5 | 5.5 | 10.6 |
| 2022/8/24 | 21.0 | 6.8 | 6.5 | 8.7 | 22.9 | 22.6 | 16.6 | 7.1 | 14.8 | 9.0 | 5.8 | 11.6 | 15.0 | 9.8 | 11.0 | 3.8 | 15.3 | 6.0 | 4.7 | 7.8 |
| 2022/8/25 | 22.0 | 2.6 | 6.6 | 6.5 | 24.0 | 23.0 | 17.9 | 7.2 | 11.5 | 3.5 | 4.3 | 8.6 | 15.4 | 7.7 | 11.9 | 2.9 | 16.0 | 2.3 | 4.8 | 5.8 |
| 2022/8/26 | 19.1 | 2.8 | 13.8 | 6.8 | 20.9 | 21.8 | 16.6 | 15.0 | 10.6 | 3.7 | 5.2 | 9.1 | 14.6 | 7.0 | 11.0 | 3.4 | 13.9 | 2.5 | 10.0 | 6.1 |
| 2022/8/27 | 21.5 | 3.8 | 7.9 | 8.2 | 23.4 | 18.7 | 18.1 | 8.6 | 15.8 | 5.0 | 5.3 | 10.9 | 12.5 | 10.6 | 12.1 | 3.5 | 15.6 | 3.4 | 5.8 | 7.3 |
| 2022/8/28 | 24.9 | 5.0 | 9.2 | 2.3 | 27.1 | 19.3 | 16.2 | 10.1 | 13.7 | 6.6 | 6.2 | 0* | 12.9 | 9.1 | 10.8 | 4.2 | 18.1 | 4.4 | 6.7 | 2.0 |
| 2022/8/29 | 19.3 | 3.3 | 5.7 | 0* | 21.0 | 22.6 | 15.5 | 6.2 | 10.3 | 4.4 | 0* | 0.0 | 15.0 | 6.9 | 10.3 | 0* | 14.0 | 3.0 | 4.2 | 0* |
| 2022/8/30 | 6.5 | 2.1 | 7.4 | 0* | 7.1 | 17.3 | 10.4 | 8.0 | 7.4 | 2.8 | 0* | 0.0 | 11.5 | 5.0 | 7.0 | 0* | 4.7 | 1.8 | 5.4 | 0* |
| 2022/8/31 | 0.8 | 1.8 | 1.7 | 0* | 0.8 | 7.6 | 1.7 | 1.8 | 1.7 | 2.4 | 0* | 3.0 | 5.0 | 1.1 | 1.1 | 0* | 0.6 | 1.6 | 1.2 | 0* |
| Total | 1094.28 | 252.63 | 373.56 | 271.26 | 1192.76 | 1189.08 | 687 | 407.52 | 851.64 | 336.84 | 244.2 | 361.68 | 792.72 | 567.76 | 458 | 162.8 | 795.84 | 224.56 | 271.68 | 241.12 |

* The day when the average daily temperature is above 30°C but the air conditioner uses zero electricity.