

Table 1 New York City Peak Load Generation with Solar and Storage

| Date | Hour | NYC Load (MW) | | Solar (MW) | Deficit (MW) | Generation (MW) | Storage (MW) | Cumulative Generation | Cumulative Storage | Difference |
|-----------|------|---------------|-------|------------|--------------|-----------------|--------------|-----------------------|--------------------|------------|
| | | Actual | Limit | | | | | | | |
| 7/18/2017 | 0 | 7,186 | 5,748 | 0 | -7,186 | - | (7,186) | | | |
| 7/18/2017 | 1 | 6,808 | 5,446 | 0 | -6,808 | - | (6,808) | | | |
| 7/18/2017 | 2 | 6,521 | 5,217 | 0 | -6,521 | - | (6,521) | | | |
| 7/18/2017 | 3 | 6,375 | 5,100 | 0 | -6,375 | - | (6,375) | | | |
| 7/18/2017 | 4 | 6,349 | 5,080 | 0 | -6,349 | - | (6,349) | | | |
| 7/18/2017 | 5 | 6,557 | 5,246 | 163 | -6,394 | - | (6,394) | | | |
| 7/18/2017 | 6 | 7,091 | 5,673 | 4,070 | -3,021 | - | (3,021) | | | |
| 7/18/2017 | 7 | 7,780 | 6,224 | 11,395 | 3,615 | 3,615 | - | 3,615 | - | 3,615 |
| 7/18/2017 | 8 | 8,300 | 6,640 | 16,604 | 8,304 | 8,304 | - | 11,919 | - | 11,919 |
| 7/18/2017 | 9 | 8,716 | 6,973 | 22,790 | 14,074 | 14,074 | - | 25,993 | - | 25,993 |
| 7/18/2017 | 10 | 9,020 | 7,216 | 24,743 | 15,723 | 15,723 | - | 41,716 | - | 41,716 |
| 7/18/2017 | 11 | 9,243 | 7,394 | 26,045 | 16,803 | 16,803 | - | 58,519 | - | 58,519 |
| 7/18/2017 | 12 | 9,392 | 7,514 | 26,045 | 16,653 | 16,653 | - | 75,172 | - | 75,172 |
| 7/18/2017 | 13 | 9,518 | 7,615 | 24,743 | 15,225 | 15,225 | - | 90,397 | - | 90,397 |
| 7/18/2017 | 14 | 9,638 | 7,710 | 23,604 | 13,966 | 13,966 | - | 104,362 | - | 104,362 |
| 7/18/2017 | 15 | 9,700 | 7,760 | 19,534 | 9,834 | 9,834 | - | 114,196 | - | 114,196 |
| 7/18/2017 | 16 | 9,632 | 7,706 | 8,302 | -1,330 | - | (1,330) | 114,196 | (1,330) | 112,866 |
| 7/18/2017 | 17 | 9,680 | 7,744 | 4,070 | -5,610 | - | (5,610) | 114,196 | (6,941) | 107,255 |
| 7/18/2017 | 18 | 9,426 | 7,541 | 163 | -9,263 | - | (9,263) | 114,196 | (16,203) | 97,992 |
| 7/18/2017 | 19 | 9,109 | 7,287 | 0 | -9,109 | - | (9,109) | 114,196 | (25,312) | 88,884 |
| 7/18/2017 | 20 | 8,919 | 7,135 | 0 | -8,919 | - | (8,919) | 114,196 | (34,231) | 79,964 |
| 7/18/2017 | 21 | 8,875 | 7,100 | 0 | -8,875 | - | (8,875) | 114,196 | (43,107) | 71,089 |
| 7/18/2017 | 22 | 8,553 | 6,842 | 0 | -8,553 | - | (8,553) | 114,196 | (51,659) | 62,537 |
| 7/18/2017 | 23 | 8,039 | 6,431 | 0 | -8,039 | - | (8,039) | 114,196 | (59,698) | 54,498 |
| 7/19/2017 | 0 | 7,510 | 6,008 | 0 | -7,510 | - | (7,510) | 114,196 | (67,208) | 46,988 |
| 7/19/2017 | 1 | 7,121 | 5,697 | 0 | -7,121 | - | (7,121) | 114,196 | (74,329) | 39,867 |
| 7/19/2017 | 2 | 6,853 | 5,483 | 0 | -6,853 | - | (6,853) | 114,196 | (81,182) | 33,014 |
| 7/19/2017 | 3 | 6,671 | 5,337 | 0 | -6,671 | - | (6,671) | 114,196 | (87,854) | 26,342 |
| 7/19/2017 | 4 | 6,661 | 5,329 | 0 | -6,661 | - | (6,661) | 114,196 | (94,514) | 19,682 |
| 7/19/2017 | 5 | 6,913 | 5,531 | 163 | -6,750 | - | (6,750) | 114,196 | (101,265) | 12,931 |
| 7/19/2017 | 6 | 7,475 | 5,980 | 4,070 | -3,406 | - | (3,406) | 114,196 | (104,670) | 9,526 |
| 7/19/2017 | 7 | 8,186 | 6,549 | 11,395 | 3,209 | 3,209 | - | 117,405 | (104,670) | 12,735 |
| 7/19/2017 | 8 | 8,792 | 7,034 | 16,604 | 7,812 | 7,812 | - | 125,217 | (104,670) | 20,547 |
| 7/19/2017 | 9 | 9,265 | 7,412 | 22,790 | 13,525 | 13,525 | - | 138,742 | (104,670) | 34,072 |
| 7/19/2017 | 10 | 9,575 | 7,660 | 24,743 | 15,168 | 15,168 | - | 153,910 | (104,670) | 49,240 |
| 7/19/2017 | 11 | 9,743 | 7,794 | 26,045 | 16,303 | 16,303 | - | 170,213 | (104,670) | 65,543 |
| 7/19/2017 | 12 | 9,774 | 7,819 | 26,045 | 16,272 | 16,272 | - | 186,485 | (104,670) | 81,815 |
| 7/19/2017 | 13 | 9,908 | 7,926 | 24,743 | 14,835 | 14,835 | - | 201,321 | (104,670) | 96,650 |
| 7/19/2017 | 14 | 10,033 | 8,026 | 23,604 | 13,571 | 13,571 | - | 214,891 | (104,670) | 110,221 |
| 7/19/2017 | 15 | 10,143 | 8,114 | 19,534 | 9,391 | 9,391 | - | 224,282 | (104,670) | 119,612 |
| 7/19/2017 | 16 | 10,221 | 8,176 | 8,302 | -1,919 | - | (1,919) | 224,282 | (106,589) | 117,694 |
| 7/19/2017 | 17 | 10,241 | 8,193 | 4,070 | -6,172 | - | (6,172) | 224,282 | (112,760) | 111,522 |
| 7/19/2017 | 18 | 10,013 | 8,010 | 163 | -9,850 | - | (9,850) | 224,282 | (122,611) | 101,672 |
| 7/19/2017 | 19 | 9,783 | 7,826 | 0 | -9,783 | - | (9,783) | 224,282 | (132,394) | 91,889 |
| 7/19/2017 | 20 | 9,612 | 7,690 | 0 | -9,612 | - | (9,612) | 224,282 | (142,006) | 82,277 |
| 7/19/2017 | 21 | 9,530 | 7,624 | 0 | -9,530 | - | (9,530) | 224,282 | (151,536) | 72,746 |
| 7/19/2017 | 22 | 9,140 | 7,312 | 0 | -9,140 | - | (9,140) | 224,282 | (160,676) | 63,606 |
| 7/19/2017 | 23 | 8,610 | 6,888 | 0 | -8,610 | - | (8,610) | 224,282 | (169,286) | 54,997 |
| 7/20/2017 | 0 | 8,063 | 6,450 | 0 | -8,063 | - | (8,063) | 224,282 | (177,349) | 46,934 |
| 7/20/2017 | 1 | 7,661 | 6,129 | 0 | -7,661 | - | (7,661) | 224,282 | (185,010) | 39,273 |
| 7/20/2017 | 2 | 7,427 | 5,942 | 0 | -7,427 | - | (7,427) | 224,282 | (192,437) | 31,845 |
| 7/20/2017 | 3 | 7,270 | 5,816 | 0 | -7,270 | - | (7,270) | 224,282 | (199,707) | 24,575 |
| 7/20/2017 | 4 | 7,226 | 5,781 | 0 | -7,226 | - | (7,226) | 224,282 | (206,933) | 17,349 |
| 7/20/2017 | 5 | 7,386 | 5,909 | 163 | -7,223 | - | (7,223) | 224,282 | (214,157) | 10,126 |
| 7/20/2017 | 6 | 7,872 | 6,297 | 4,070 | -3,802 | - | (3,802) | 224,282 | (217,959) | 6,324 |
| 7/20/2017 | 7 | 8,539 | 6,831 | 11,395 | 2,856 | 2,856 | - | 227,138 | (217,959) | 9,179 |
| 7/20/2017 | 8 | 9,115 | 7,292 | 16,604 | 7,489 | 7,489 | - | 234,627 | (217,959) | 16,668 |
| 7/20/2017 | 9 | 9,563 | 7,650 | 22,790 | 13,227 | 13,227 | - | 247,853 | (217,959) | 29,895 |
| 7/20/2017 | 10 | 9,943 | 7,955 | 24,743 | 14,800 | 14,800 | - | 262,653 | (217,959) | 44,695 |
| 7/20/2017 | 11 | 10,209 | 8,167 | 26,045 | 15,836 | 15,836 | - | 278,490 | (217,959) | 60,531 |
| 7/20/2017 | 12 | 10,355 | 8,284 | 26,045 | 15,690 | 15,690 | - | 294,180 | (217,959) | 76,221 |
| 7/20/2017 | 13 | 10,504 | 8,403 | 24,743 | 14,239 | 14,239 | - | 308,419 | (217,959) | 90,460 |
| 7/20/2017 | 14 | 10,579 | 8,463 | 23,604 | 13,024 | 13,024 | - | 321,443 | (217,959) | 103,485 |
| 7/20/2017 | 15 | 10,624 | 8,499 | 19,534 | 8,910 | 8,910 | - | 330,353 | (217,959) | 112,394 |
| 7/20/2017 | 16 | 10,671 | 8,537 | 8,302 | -2,369 | - | (2,369) | 330,353 | (220,327) | 110,026 |
| 7/20/2017 | 17 | 10,542 | 8,433 | 4,070 | -6,472 | - | (6,472) | 330,353 | (226,799) | 103,554 |
| 7/20/2017 | 18 | 10,207 | 8,165 | 163 | -10,044 | - | (10,044) | 330,353 | (236,843) | 93,510 |
| 7/20/2017 | 19 | 10,017 | 8,013 | 0 | -10,017 | - | (10,017) | 330,353 | (246,860) | 83,493 |
| 7/20/2017 | 20 | 9,838 | 7,870 | 0 | -9,838 | - | (9,838) | 330,353 | (256,698) | 73,655 |
| 7/20/2017 | 21 | 9,444 | 7,555 | 0 | -9,444 | - | (9,444) | 330,353 | (266,141) | 64,212 |
| 7/20/2017 | 22 | 8,924 | 7,139 | 0 | -8,924 | - | (8,924) | 330,353 | (275,065) | 55,288 |
| 7/20/2017 | 23 | 8,349 | 6,679 | 0 | -8,349 | - | (8,349) | 330,353 | (283,414) | 46,939 |