# APPENDIX B

# DEFAULT INTERNAL LOAD VALUES AND SCHEDULES

## SECTION B101
## GENERAL

**B101.1 Scope.** The following default internal load values and schedules shall apply to Section C407.

## SECTION B102
## DEFAULT TABLES OF INTERNAL LOADS

**B102 Default tables of internal loads.** Default occupancy densities, receptacle power densities and service hot water consumption are included in Table B102.

### TABLE B102
### ACCEPTABLE OCCUPANCY DENSITIES, RECEPTACLE POWER DENSITIES AND SERVICE HOT WATER CONSUMPTION[a]

| Building Type | Occupancy Density[b] $ft^2$/Person (Btu/h· $ft^2$) | Receptacle Power Density[c], Watts/$ft^2$ (Btu/h· $ft^2$) | Service Hot Water Quantities[d] Btu/h per person |
|---|---|---|---|
| Assembly | 50 (4.60) | 0.25 (0.85) | 215 |
| Health/Institutional | 200 (1.15) | 1.00 (3.41) | 135 |
| Hotel/Motel | 250 (0.92) | 0.25 (0.85) | 1,110 |
| Light Manufacturing | 750 (0.31) | 0.20 (0.68) | 225 |
| Office | 275 (0.84) | 0.75 (2.56) | 175 |
| Parking Garage | NA | NA | NA |
| Restaurant | 100 (2.30) | 0.10 )0.34) | 390 |
| Retail | 300 (0.77) | 0.25 (0.85) | 135 |
| School | 75 (3.07) | 0.50 (1.71) | 215 |
| Warehouse | 15,000 (0.02) | 0.10 (0.34) | 225 |

a. The occupancy densities, receptacle power densities, and service hot water consumption values are from ASHRAE Standard 90.1-1989 and addenda.
b. Values are in square feet of conditioned floor area per person. Heat generation in Btu per person per hour is 230 sensible and 190 latent. Figures in parenthesis are equivalent Btu per hour per square foot.
c. Values are in Watts per square foot of conditioned floor area. Figures in parenthesis are equivalent Btu per hour per square foot. These values are the minimum acceptable. If other process loads are not input (such as for computers, cooking, refrigeration, etc.), it is recommended that receptacle power densities be increased until total process energy consumption is equivalent to 25% of the total.
d. Values are in Btu per person per hour.

## SECTION B103
## DEFAULT SCHEDULES

**B103 Default schedules.** Default schedules for occupancy, lighting, receptacles, HVAC, service hot water, and elevators are included in Tables B103(1) through B103(10).

## TABLE B103(1)
## ASSEMBLY OCCUPANCY[a]

| Hour of Day (Time) | Schedule for Occupancy Percent of Maximum Load | | | Schedule for Lighting Receptacle Percent of Maximum Load | | | Schedule for HVAC System | | | Schedule for Service Hot Water Percent of Maximum Load | | | Schedule for Elevator Percent of Maximum Load | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun |
| 1 (12-1 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 (1-2 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 (2-3 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 (3-4 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 (4-5 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 (5-6 am) | 0 | 0 | 0 | 5 | 5 | 5 | On | Off | Off | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 (6-7 am) | 0 | 0 | 0 | 40 | 5 | 5 | On | On | On | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 (7-8 am) | 0 | 0 | 0 | 40 | 30 | 30 | On | On | On | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 (8-9 am) | 20 | 20 | 10 | 40 | 30 | 30 | On | On | On | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 (9-10 am) | 20 | 20 | 10 | 75 | 50 | 30 | On | On | On | 5 | 5 | 5 | 0 | 0 | 0 |
| 11 (10-11 am) | 20 | 20 | 10 | 75 | 50 | 30 | On | On | On | 5 | 5 | 5 | 0 | 0 | 0 |
| 12 (11-12 pm) | 80 | 60 | 10 | 75 | 50 | 30 | On | On | On | 35 | 20 | 10 | 0 | 0 | 0 |
| 13 (12-1 pm) | 80 | 60 | 10 | 75 | 50 | 65 | On | On | On | 5 | 0 | 0 | 0 | 0 | 0 |
| 14 (1-2 pm) | 80 | 60 | 70 | 75 | 50 | 65 | On | On | On | 5 | 0 | 0 | 0 | 0 | 0 |
| 15 (2-3 pm) | 80 | 60 | 70 | 75 | 50 | 65 | On | On | On | 5 | 0 | 0 | 0 | 0 | 0 |
| 16 (3-4 pm) | 80 | 60 | 70 | 75 | 50 | 65 | On | On | On | 5 | 0 | 0 | 0 | 0 | 0 |
| 17 (4-5 pm) | 80 | 60 | 70 | 75 | 50 | 65 | On | On | On | 5 | 0 | 0 | 0 | 0 | 0 |
| 18 (5-6 pm) | 80 | 60 | 70 | 75 | 50 | 65 | On | On | On | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 (6-7 pm) | 20 | 60 | 70 | 75 | 50 | 65 | On | On | On | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 (7-8 pm) | 20 | 60 | 70 | 75 | 50 | 65 | On | On | On | 0 | 65 | 65 | 0 | 0 | 0 |
| 21 (8-9 pm) | 20 | 60 | 70 | 75 | 50 | 65 | On | On | On | 0 | 30 | 30 | 0 | 0 | 0 |
| 22 (9-10 pm) | 20 | 80 | 70 | 75 | 50 | 65 | On | On | On | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 (10-11 pm) | 10 | 10 | 20 | 25 | 50 | 5 | On | On | On | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 (11-12 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 0 | 0 | 0 | 0 | 0 | 0 |
| Total/Day | 710 | 750 | 700 | 1155 | 800 | 845 | 1800 | 1700 | 1700 | 70 | 125 | 115 | 0 | 0 | 0 |
| Total/Week | 50.50 hours | | | 74.20 hours | | | 124 hours | | | 5.9 hours | | | 0 hours | | |
| Total/Year | 2633 hours | | | 3869 hours | | | 6465 hours | | | 308 hours | | | 0 hours | | |

Wk = Weekday

a. Schedules for occupancy, lighting, receptacle, HVAC system, and service hot water are from ASHRAE Standard 90.1-1989 and addendums, except that 5% emergency lighting has been added for all off hours. Elevator schedules, except for restaurants, are from the U.S. Department of Energy Standard Evaluation Techniques except changed to 0% when occupancy is 0%. **These values may be used only if actual schedules are not known.**

## TABLE B103(2)
## HEALTH OCCUPANCY[a]

| Hour of Day (Time) | Schedule for Occupancy Percent of Maximum Load | | | Schedule for Lighting Receptacle Percent of Maximum Load | | | Schedule for HVAC System | | | Schedule for Service Hot Water Percent of Maximum Load | | | Schedule for Elevator Percent of Maximum Load | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun |
| 1 (12-1 am) | 0 | 0 | 0 | 10 | 10 | 5 | On | On | On | 1 | 1 | 1 | 0 | 0 | 0 |
| 2 (1-2 am) | 0 | 0 | 0 | 10 | 10 | 5 | On | On | On | 1 | 1 | 1 | 0 | 0 | 0 |
| 3 (2-3 am) | 0 | 0 | 0 | 10 | 10 | 5 | On | On | On | 1 | 1 | 1 | 0 | 0 | 0 |
| 4 (3-4 am) | 0 | 0 | 0 | 10 | 10 | 5 | On | On | On | 1 | 1 | 1 | 0 | 0 | 0 |
| 5 (4-5 am) | 0 | 0 | 0 | 10 | 10 | 5 | On | On | On | 1 | 1 | 1 | 0 | 0 | 0 |
| 6 (5-6 am) | 0 | 0 | 0 | 10 | 10 | 5 | On | On | On | 1 | 1 | 1 | 0 | 0 | 0 |
| 7 (6-7 am) | 0 | 0 | 0 | 10 | 10 | 5 | On | On | On | 1 | 1 | 1 | 0 | 0 | 0 |
| 8 (7-8 am) | 10 | 10 | 0 | 50 | 20 | 5 | On | On | On | 17 | 1 | 1 | 2 | 2 | 0 |
| 9 (8-9 am) | 50 | 30 | 5 | 90 | 40 | 10 | On | On | On | 58 | 20 | 1 | 75 | 46 | 2 |
| 10 (9-10 am) | 80 | 40 | 5 | 90 | 40 | 10 | On | On | On | 66 | 28 | 1 | 100 | 70 | 2 |
| 11 (10-11 am) | 80 | 40 | 5 | 90 | 40 | 10 | On | On | On | 78 | 30 | 1 | 100 | 70 | 2 |
| 12 (11-12 pm) | 80 | 40 | 5 | 90 | 40 | 10 | On | On | On | 82 | 30 | 1 | 100 | 70 | 2 |
| 13 (12-1 pm) | 80 | 40 | 5 | 90 | 40 | 10 | On | On | On | 71 | 24 | 1 | 75 | 51 | 2 |
| 14 (1-2 pm) | 80 | 40 | 5 | 90 | 40 | 10 | On | On | On | 82 | 24 | 1 | 100 | 51 | 2 |
| 15 (2-3 pm) | 80 | 40 | 5 | 90 | 40 | 10 | On | On | On | 78 | 23 | 1 | 100 | 51 | 2 |
| 16 (3-4 pm) | 80 | 40 | 5 | 90 | 40 | 10 | On | On | On | 74 | 23 | 1 | 100 | 51 | 2 |
| 17 (4-5 pm) | 80 | 40 | 0 | 30 | 40 | 5 | On | On | On | 63 | 23 | 1 | 100 | 51 | 0 |
| 18 (5-6 pm) | 50 | 10 | 0 | 30 | 40 | 5 | On | On | On | 41 | 10 | 1 | 100 | 25 | 0 |
| 19 (6-7 pm) | 30 | 10 | 0 | 30 | 10 | 5 | On | On | On | 18 | 1 | 1 | 52 | 2 | 0 |
| 20 (7-8 pm) | 30 | 0 | 0 | 30 | 10 | 5 | On | On | On | 18 | 1 | 1 | 52 | 0 | 0 |
| 21 (8-9 pm) | 20 | 0 | 0 | 30 | 10 | 5 | On | On | On | 18 | 1 | 1 | 52 | 0 | 0 |
| 22 (9-10 pm) | 20 | 0 | 0 | 30 | 10 | 5 | On | On | On | 10 | 1 | 1 | 28 | 0 | 0 |
| 23 (10-11 pm) | 0 | 0 | 0 | 30 | 10 | 5 | On | On | On | 1 | 1 | 1 | 0 | 0 | 0 |
| 24 (11-12 am) | 0 | 0 | 0 | 10 | 10 | 5 | On | On | On | 1 | 1 | 1 | 0 | 0 | 0 |
| Total/Day | 850 | 380 | 40 | 1060 | 550 | 160 | 2400 | 2400 | 2400 | 783 | 249 | 24 | 1136 | 540 | 16 |
| Total/Week | 46.70 hours | | | 60.10 hours | | | 168 hours | | | 41.88 hours | | | 62.36 hours | | |
| Total/Year | 2435 hours | | | 3134 hours | | | 8760 hours | | | 2148 hours | | | 3251 hours | | |

Wk = Weekday

a. Schedules for occupancy, lighting, receptacle, HVAC system, and service hot water are from ASHRAE Standard 90.1-1989 and addendums, except that 5% emergency lighting has been added for all off hours. Elevator schedules, except for restaurants, are from the U.S. Department of Energy Standard Evaluation Techniques except changed to 0% when occupancy is 0%. **These values may be used only if actual schedules are not known.**

## TABLE B103(3)
## HOTEL/MOTEL OCCUPANCY[a]

| Hour of Day (Time) | Schedule for Occupancy Percent of Maximum Load | | | Schedule for Lighting Receptacle Percent of Maximum Load | | | Schedule for HVAC System | | | Schedule for Service Hot Water Percent of Maximum Load | | | Schedule for Elevator Percent of Maximum Load | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun |
| 1 (12-1 am) | 90 | 90 | 70 | 20 | 20 | 30 | On | On | On | 20 | 20 | 25 | 40 | 44 | 55 |
| 2 (1-2 am) | 90 | 90 | 70 | 15 | 20 | 30 | On | On | On | 15 | 15 | 20 | 33 | 35 | 55 |
| 3 (2-3 am) | 90 | 90 | 70 | 10 | 10 | 20 | On | On | On | 15 | 15 | 20 | 33 | 35 | 43 |
| 4 (3-4 am) | 90 | 90 | 70 | 10 | 10 | 20 | On | On | On | 15 | 15 | 20 | 33 | 35 | 43 |
| 5 (4-5 am) | 90 | 90 | 70 | 10 | 10 | 20 | On | On | On | 20 | 20 | 20 | 33 | 35 | 43 |
| 6 (5-6 am) | 90 | 90 | 70 | 20 | 10 | 20 | On | On | On | 25 | 25 | 30 | 33 | 35 | 43 |
| 7 (6-7 am) | 70 | 70 | 70 | 40 | 30 | 30 | On | On | On | 50 | 40 | 50 | 42 | 40 | 52 |
| 8 (7-8 am) | 40 | 50 | 70 | 50 | 30 | 40 | On | On | On | 60 | 50 | 50 | 42 | 32 | 52 |
| 9 (8-9 am) | 40 | 50 | 50 | 40 | 40 | 40 | On | On | On | 55 | 50 | 50 | 52 | 45 | 65 |
| 10 (9-10 am) | 20 | 30 | 50 | 40 | 40 | 30 | On | On | On | 45 | 50 | 55 | 52 | 45 | 65 |
| 11 (10-11 am) | 20 | 30 | 50 | 25 | 30 | 30 | On | On | On | 40 | 45 | 50 | 40 | 42 | 53 |
| 12 (11-12 pm) | 20 | 30 | 30 | 25 | 25 | 30 | On | On | On | 45 | 50 | 50 | 51 | 60 | 60 |
| 13 (12-1 pm) | 20 | 30 | 30 | 25 | 25 | 30 | On | On | On | 40 | 50 | 40 | 51 | 65 | 53 |
| 14 (1-2 pm) | 20 | 30 | 20 | 25 | 25 | 20 | On | On | On | 35 | 45 | 40 | 51 | 65 | 51 |
| 15 (2-3 pm) | 20 | 30 | 20 | 25 | 25 | 20 | On | On | On | 30 | 40 | 30 | 51 | 65 | 50 |
| 16 (3-4 pm) | 30 | 30 | 20 | 25 | 25 | 20 | On | On | On | 30 | 40 | 30 | 51 | 65 | 44 |
| 17 (4-5 pm) | 50 | 30 | 30 | 25 | 25 | 20 | On | On | On | 30 | 35 | 30 | 63 | 65 | 64 |
| 18 (5-6 pm) | 50 | 50 | 40 | 25 | 25 | 20 | On | On | On | 40 | 40 | 40 | 80 | 75 | 62 |
| 19 (6-7 pm) | 50 | 60 | 40 | 60 | 60 | 50 | On | On | On | 55 | 55 | 50 | 86 | 80 | 65 |
| 20 (7-8 pm) | 70 | 60 | 60 | 80 | 70 | 70 | On | On | On | 60 | 55 | 50 | 70 | 80 | 63 |
| 21 (8-9 pm) | 70 | 60 | 60 | 90 | 70 | 80 | On | On | On | 50 | 50 | 40 | 70 | 75 | 63 |
| 22 (9-10 pm) | 80 | 70 | 80 | 80 | 70 | 60 | On | On | On | 55 | 55 | 50 | 70 | 75 | 63 |
| 23 (10-11 pm) | 90 | 70 | 80 | 60 | 60 | 50 | On | On | On | 45 | 40 | 40 | 45 | 55 | 40 |
| 24 (11-12 am) | 90 | 70 | 80 | 30 | 30 | 30 | On | On | On | 25 | 30 | 20 | 45 | 55 | 40 |
| Total/Day | 1390 | 1390 | 1300 | 855 | 785 | 810 | 2400 | 2400 | 2400 | 915 | 930 | 900 | 1217 | 1303 | 1287 |
| Total/Week | 96.40 hours | | | 58.70 hours | | | 168.0 hours | | | 64.05 hours | | | 86.75 hours | | |
| Total/Year | 5026 hours | | | 3061 hours | | | 8760 hours | | | 3340 hours | | | 4523 hours | | |

Wk = Weekday

a. Schedules for occupancy, lighting, receptacle, HVAC system, and service hot water are from ASHRAE Standard 90.1-1989 and addendums, except that 5% emergency lighting has been added for all off hours. Elevator schedules, except for restaurants, are from the U.S. Department of Energy Standard Evaluation Techniques except changed to 0% when occupancy is 0%. **These values may be used only if actual schedules are not known.**

## TABLE B103(4)
## LIGHT MANUFACTURING OCCUPANCY[a]

| Hour of Day (Time) | Schedule for Occupancy Percent of Maximum Load | | | Schedule for Lighting Receptacle Percent of Maximum Load | | | Schedule for HVAC System | | | Schedule for Service Hot Water Percent of Maximum Load | | | Schedule for Elevator Percent of Maximum Load | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun |
| 1 (12-1 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 5 | 4 | 0 | 0 | 0 |
| 2 (1-2 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 5 | 4 | 0 | 0 | 0 |
| 3 (2-3 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 5 | 4 | 0 | 0 | 0 |
| 4 (3-4 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 5 | 4 | 0 | 0 | 0 |
| 5 (4-5 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 5 | 4 | 0 | 0 | 0 |
| 6 (5-6 am) | 0 | 0 | 0 | 10 | 5 | 5 | Off | Off | Off | 8 | 8 | 7 | 0 | 0 | 0 |
| 7 (6-7 am) | 10 | 10 | 5 | 10 | 10 | 5 | On | On | Off | 7 | 7 | 4 | 0 | 0 | 0 |
| 8 (7-8 am) | 20 | 10 | 5 | 30 | 10 | 5 | On | On | Off | 19 | 11 | 4 | 35 | 16 | 0 |
| 9 (8-9 am) | 95 | 30 | 5 | 90 | 30 | 5 | On | On | Off | 35 | 15 | 4 | 69 | 14 | 0 |
| 10 (9-10 am) | 95 | 30 | 5 | 90 | 30 | 5 | On | On | Off | 38 | 21 | 4 | 43 | 21 | 0 |
| 11 (10-11 am) | 95 | 30 | 5 | 90 | 30 | 5 | On | On | Off | 39 | 19 | 4 | 37 | 18 | 0 |
| 12 (11-12 pm) | 95 | 30 | 5 | 90 | 30 | 5 | On | On | Off | 47 | 23 | 6 | 43 | 25 | 0 |
| 13 (12-1 pm) | 50 | 10 | 5 | 80 | 15 | 5 | On | On | Off | 57 | 20 | 6 | 58 | 21 | 0 |
| 14 (1-2 pm) | 95 | 10 | 5 | 90 | 15 | 5 | On | On | Off | 54 | 19 | 9 | 48 | 13 | 0 |
| 15 (2-3 pm) | 95 | 10 | 5 | 90 | 15 | 5 | On | On | Off | 34 | 15 | 6 | 37 | 8 | 0 |
| 16 (3-4 pm) | 95 | 10 | 5 | 90 | 15 | 5 | On | On | Off | 33 | 12 | 4 | 37 | 4 | 0 |
| 17 (4-5 pm) | 95 | 10 | 5 | 90 | 15 | 5 | On | On | Off | 44 | 14 | 4 | 46 | 5 | 0 |
| 18 (5-6 pm) | 30 | 5 | 5 | 50 | 5 | 5 | On | On | Off | 26 | 7 | 4 | 62 | 6 | 0 |
| 19 (6-7 pm) | 10 | 5 | 0 | 30 | 5 | 5 | On | Off | Off | 21 | 7 | 4 | 20 | 0 | 0 |
| 20 (7-8 pm) | 10 | 0 | 0 | 30 | 5 | 5 | On | Off | Off | 15 | 7 | 4 | 12 | 0 | 0 |
| 21 (8-9 pm) | 10 | 0 | 0 | 20 | 5 | 5 | On | Off | Off | 17 | 7 | 4 | 4 | 0 | 0 |
| 22 (9-10 pm) | 10 | 0 | 0 | 20 | 5 | 5 | On | Off | Off | 8 | 9 | 7 | 4 | 0 | 0 |
| 23 (10-11 pm) | 5 | 0 | 0 | 10 | 5 | 5 | Off | Off | Off | 5 | 5 | 4 | 0 | 0 | 0 |
| 24 (11-12 am) | 5 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 5 | 4 | 0 | 0 | 0 |
| Total/Day | 920 | 200 | 60 | 1040 | 280 | 120 | 1600 | 1200 | 0 | 537 | 256 | 113 | 555 | 151 | 0 |
| Total/Week | 48.60 hours | | | 56.00 hours | | | 92.00 hours | | | 30.54 hours | | | 29.26 hours | | |
| Total/Year | 2534 hours | | | 2920 hours | | | 4797 hours | | | 1592 hours | | | 1526 hours | | |

Wk = Weekday

a. Schedules for occupancy, lighting, receptacle, HVAC system, and service hot water are from ASHRAE Standard 90.1-1989 and addendums, except that 5% emergency lighting has been added for all off hours. Elevator schedules, except for restaurants, are from the U.S. Department of Energy Standard Evaluation Techniques except changed to 0% when occupancy is 0%. **These values may be used only if actual schedules are not known.**

## TABLE B103(5)
## OFFICE OCCUPANCY[a]

| Hour of Day (Time) | Schedule for Occupancy Percent of Maximum Load | | | Schedule for Lighting Receptacle Percent of Maximum Load | | | Schedule for HVAC System | | | Schedule for Service Hot Water Percent of Maximum Load | | | Schedule for Elevator Percent of Maximum Load | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun |
| 1 (12-1 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 5 | 4 | 0 | 0 | 0 |
| 2 (1-2 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 5 | 4 | 0 | 0 | 0 |
| 3 (2-3 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 5 | 4 | 0 | 0 | 0 |
| 4 (3-4 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 5 | 4 | 0 | 0 | 0 |
| 5 (4-5 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 5 | 4 | 0 | 0 | 0 |
| 6 (5-6 am) | 0 | 0 | 0 | 10 | 5 | 5 | Off | Off | Off | 8 | 8 | 7 | 0 | 0 | 0 |
| 7 (6-7 am) | 10 | 10 | 5 | 10 | 10 | 5 | On | On | Off | 7 | 7 | 4 | 0 | 0 | 0 |
| 8 (7-8 am) | 20 | 10 | 5 | 30 | 10 | 5 | On | On | Off | 19 | 11 | 4 | 35 | 16 | 0 |
| 9 (8-9 am) | 95 | 30 | 5 | 90 | 30 | 5 | On | On | Off | 35 | 15 | 4 | 69 | 14 | 0 |
| 10 (9-10 am) | 95 | 30 | 5 | 90 | 30 | 5 | On | On | Off | 38 | 21 | 4 | 43 | 21 | 0 |
| 11 (10-11 am) | 95 | 30 | 5 | 90 | 30 | 5 | On | On | Off | 39 | 19 | 4 | 37 | 18 | 0 |
| 12 (11-12 pm) | 95 | 30 | 5 | 90 | 30 | 5 | On | On | Off | 47 | 23 | 6 | 43 | 25 | 0 |
| 13 (12-1 pm) | 50 | 10 | 5 | 80 | 15 | 5 | On | On | Off | 57 | 20 | 6 | 58 | 21 | 0 |
| 14 (1-2 pm) | 95 | 10 | 5 | 90 | 15 | 5 | On | On | Off | 54 | 19 | 9 | 48 | 13 | 0 |
| 15 (2-3 pm) | 95 | 10 | 5 | 90 | 15 | 5 | On | On | Off | 34 | 15 | 6 | 37 | 8 | 0 |
| 16 (3-4 pm) | 95 | 10 | 5 | 90 | 15 | 5 | On | On | Off | 33 | 12 | 4 | 37 | 4 | 0 |
| 17 (4-5 pm) | 95 | 10 | 5 | 90 | 15 | 5 | On | On | Off | 44 | 14 | 4 | 46 | 5 | 0 |
| 18 (5-6 pm) | 30 | 5 | 5 | 50 | 5 | 5 | On | On | Off | 26 | 7 | 4 | 62 | 6 | 0 |
| 19 (6-7 pm) | 10 | 5 | 0 | 30 | 5 | 5 | On | Off | Off | 21 | 7 | 4 | 20 | 0 | 0 |
| 20 (7-8 pm) | 10 | 0 | 0 | 30 | 5 | 5 | On | Off | Off | 15 | 7 | 4 | 12 | 0 | 0 |
| 21 (8-9 pm) | 10 | 0 | 0 | 20 | 5 | 5 | On | Off | Off | 17 | 7 | 4 | 4 | 0 | 0 |
| 22 (9-10 pm) | 10 | 0 | 0 | 20 | 5 | 5 | On | Off | Off | 8 | 9 | 7 | 4 | 0 | 0 |
| 23 (10-11 pm) | 5 | 0 | 0 | 10 | 5 | 5 | Off | Off | Off | 5 | 5 | 4 | 0 | 0 | 0 |
| 24 (11-12 am) | 5 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 5 | 4 | 0 | 0 | 0 |
| Total/Day | 920 | 200 | 60 | 1040 | 280 | 120 | 1600 | 1200 | 0 | 537 | 256 | 113 | 555 | 151 | 0 |
| Total/Week | 48.60 hours | | | 56.00 hours | | | 92.00 hours | | | 30.54 hours | | | 29.26 hours | | |
| Total/Year | 2534 hours | | | 2920 hours | | | 4797 hours | | | 1592 hours | | | 1526 hours | | |

Wk = Weekday

a. Schedules for occupancy, lighting, receptacle, HVAC system, and service hot water are from ASHRAE Standard 90.1-1989 and addendums, except that 5% emergency lighting has been added for all off hours. Elevator schedules, except for restaurants, are from the U.S. Department of Energy Standard Evaluation Techniques except changed to 0% when occupancy is 0%. **These values may be used only if actual schedules are not known.**

## TABLE B103(6)
## PARKING GARAGE OCCUPANCY[a]

| Hour of Day (Time) | Schedule for Occupancy Percent of Maximum Load | | | Schedule for Lighting Receptacle Percent of Maximum Load | | | Schedule for HVAC System | | | Schedule for Service Hot Water Percent of Maximum Load | | | Schedule for Elevator Percent of Maximum Load | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun |
| 1 (12-1 am) | NA | | | 100 | 100 | 100 | Based on likely use | | | NA | | | Included with other occupancies | | |
| 2 (1-2 am) | | | | 100 | 100 | 100 | | | | | | | | | |
| 3 (2-3 am) | | | | 100 | 100 | 100 | | | | | | | | | |
| 4 (3-4 am) | | | | 100 | 100 | 100 | | | | | | | | | |
| 5 (4-5 am) | | | | 100 | 100 | 100 | | | | | | | | | |
| 6 (5-6 am) | | | | 100 | 100 | 100 | | | | | | | | | |
| 7 (6-7 am) | | | | 100 | 100 | 100 | | | | | | | | | |
| 8 (7-8 am) | | | | 100 | 100 | 100 | | | | | | | | | |
| 9 (8-9 am) | | | | 100 | 100 | 100 | | | | | | | | | |
| 10 (9-10 am) | | | | 100 | 100 | 100 | | | | | | | | | |
| 11 (10-11 am) | | | | 100 | 100 | 100 | | | | | | | | | |
| 12 (11-12 pm) | | | | 100 | 100 | 100 | | | | | | | | | |
| 13 (12-1 pm) | | | | 100 | 100 | 100 | | | | | | | | | |
| 14 (1-2 pm) | | | | 100 | 100 | 100 | | | | | | | | | |
| 15 (2-3 pm) | | | | 100 | 100 | 100 | | | | | | | | | |
| 16 (3-4 pm) | | | | 100 | 100 | 100 | | | | | | | | | |
| 17 (4-5 pm) | | | | 100 | 100 | 100 | | | | | | | | | |
| 18 (5-6 pm) | | | | 100 | 100 | 100 | | | | | | | | | |
| 19 (6-7 pm) | | | | 100 | 100 | 100 | | | | | | | | | |
| 20 (7-8 pm) | | | | 100 | 100 | 100 | | | | | | | | | |
| 21 (8-9 pm) | | | | 100 | 100 | 100 | | | | | | | | | |
| 22 (9-10 pm) | | | | 100 | 100 | 100 | | | | | | | | | |
| 23 (10-11 pm) | | | | 100 | 100 | 100 | | | | | | | | | |
| 24 (11-12 am) | | | | 100 | 100 | 100 | | | | | | | | | |
| Total/Day | | | | 2400 | 2400 | 2400 | | | | | | | | | |
| Total/Week | | | | 168 hours | | | | | | | | | | | |
| Total/Year | | | | 8760 hours | | | | | | | | | | | |

Wk = Weekday

a. Schedules for occupancy, lighting, receptacle, HVAC system, and service hot water are from ASHRAE Standard 90.1-1989 and addendums, except that 5% emergency lighting has been added for all off hours. Elevator schedules, except for restaurants, are from the U.S. Department of Energy Standard Evaluation Techniques except changed to 0% when occupancy is 0%. **These values may be used only if actual schedules are not known.**

## TABLE B103(7)
## RESTAURANT OCCUPANCY[a]

| Hour of Day (Time) | Schedule for Occupancy Percent of Maximum Load | | | Schedule for Lighting Receptacle Percent of Maximum Load | | | Schedule for HVAC System | | | Schedule for Service Hot Water Percent of Maximum Load | | | Schedule for Elevator Percent of Maximum Load | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun |
| 1 (12-1 am) | 15 | 30 | 20 | 15 | 20 | 20 | On | On | On | 20 | 20 | 25 | 0 | 0 | 0 |
| 2 (1-2 am) | 15 | 25 | 20 | 15 | 15 | 15 | On | On | On | 15 | 15 | 20 | 0 | 0 | 0 |
| 3 (2-3 am) | 5 | 5 | 5 | 15 | 15 | 15 | On | On | On | 15 | 15 | 20 | 0 | 0 | 0 |
| 4 (3-4 am) | 0 | 0 | 0 | 15 | 15 | 15 | Off | Off | Off | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 (4-5 am) | 0 | 0 | 0 | 15 | 15 | 15 | Off | Off | Off | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 (5-6 am) | 0 | 0 | 0 | 20 | 15 | 15 | Off | Off | Off | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 (6-7 am) | 0 | 0 | 0 | 40 | 30 | 30 | Off | Off | Off | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 (7-8 am) | 5 | 0 | 0 | 40 | 30 | 30 | On | Off | Off | 60 | 0 | 0 | 0 | 0 | 0 |
| 9 (8-9 am) | 5 | 0 | 0 | 60 | 60 | 50 | On | Off | Off | 55 | 0 | 0 | 0 | 0 | 0 |
| 10 (9-10 am) | 5 | 5 | 0 | 60 | 60 | 50 | On | On | Off | 45 | 50 | 0 | 0 | 0 | 0 |
| 11 (10-11 am) | 20 | 20 | 10 | 90 | 80 | 70 | On | On | On | 40 | 45 | 50 | 0 | 0 | 0 |
| 12 (11-12 pm) | 50 | 45 | 20 | 90 | 80 | 70 | On | On | On | 45 | 50 | 50 | 0 | 0 | 0 |
| 13 (12-1 pm) | 80 | 50 | 25 | 90 | 80 | 70 | On | On | On | 40 | 50 | 40 | 0 | 0 | 0 |
| 14 (1-2 pm) | 70 | 50 | 25 | 90 | 80 | 70 | On | On | On | 35 | 45 | 40 | 0 | 0 | 0 |
| 15 (2-3 pm) | 40 | 35 | 15 | 90 | 80 | 70 | On | On | On | 30 | 40 | 30 | 0 | 0 | 0 |
| 16 (3-4 pm) | 20 | 30 | 20 | 90 | 80 | 70 | On | On | On | 30 | 40 | 30 | 0 | 0 | 0 |
| 17 (4-5 pm) | 25 | 30 | 25 | 90 | 80 | 60 | On | On | On | 30 | 35 | 30 | 0 | 0 | 0 |
| 18 (5-6 pm) | 50 | 30 | 35 | 90 | 90 | 60 | On | On | On | 40 | 40 | 40 | 0 | 0 | 0 |
| 19 (6-7 pm) | 80 | 70 | 55 | 90 | 90 | 60 | On | On | On | 55 | 55 | 50 | 0 | 0 | 0 |
| 20 (7-8 pm) | 80 | 90 | 65 | 90 | 90 | 60 | On | On | On | 60 | 55 | 50 | 0 | 0 | 0 |
| 21 (8-9 pm) | 80 | 70 | 70 | 90 | 90 | 60 | On | On | On | 50 | 50 | 40 | 0 | 0 | 0 |
| 22 (9-10 pm) | 50 | 65 | 35 | 90 | 90 | 60 | On | On | On | 55 | 55 | 50 | 0 | 0 | 0 |
| 23 (10-11 pm) | 35 | 55 | 20 | 50 | 50 | 50 | On | On | On | 45 | 40 | 40 | 0 | 0 | 0 |
| 24 (11-12 am) | 20 | 35 | 20 | 30 | 30 | 30 | On | On | On | 25 | 30 | 20 | 0 | 0 | 0 |
| Total/Day | 750 | 740 | 485 | 1455 | 1365 | 1115 | 2000 | 1800 | 1700 | 790 | 730 | 625 | 0 | 0 | 0 |
| Total/Week | 49.75 hours | | | 97.55 hours | | | 135 hours | | | 53.05 hours | | | 0 hours | | |
| Total/Year | 2594 hours | | | 5086 hours | | | 7039 hours | | | 2766 hours | | | 0 hours | | |

Wk = Weekday

a. Schedules for occupancy, lighting, receptacle, HVAC system, and service hot water are from ASHRAE Standard 90.1-1989 and addendums, except that 5% emergency lighting has been added for all off hours. Elevator schedules, except for restaurants, are from the U.S. Department of Energy Standard Evaluation Techniques except changed to 0% when occupancy is 0%. **These values may be used only if actual schedules are not known.**

## TABLE B103(8)
## RETAIL OCCUPANCY[a]

| Hour of Day (Time) | Schedule for Occupancy Percent of Maximum Load | | | Schedule for Lighting Receptacle Percent of Maximum Load | | | Schedule for HVAC System | | | Schedule for Service Hot Water Percent of Maximum Load | | | Schedule for Elevator Percent of Maximum Load | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun |
| 1 (12-1 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 4 | 11 | 7 | 0 | 0 | 0 |
| 2 (1-2 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 10 | 7 | 0 | 0 | 0 |
| 3 (2-3 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 8 | 7 | 0 | 0 | 0 |
| 4 (3-4 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 4 | 6 | 6 | 0 | 0 | 0 |
| 5 (4-5 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 4 | 6 | 6 | 0 | 0 | 0 |
| 6 (5-6 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 4 | 6 | 6 | 0 | 0 | 0 |
| 7 (6-7 am) | 0 | 0 | 0 | 5 | 5 | 5 | On | On | Off | 4 | 7 | 7 | 0 | 0 | 0 |
| 8 (7-8 am) | 10 | 10 | 0 | 20 | 10 | 5 | On | On | Off | 15 | 20 | 10 | 12 | 9 | 0 |
| 9 (8-9 am) | 20 | 20 | 0 | 50 | 30 | 10 | On | On | On | 23 | 24 | 12 | 22 | 21 | 0 |
| 10 (9-10 am) | 50 | 50 | 10 | 90 | 60 | 10 | On | On | On | 32 | 27 | 14 | 64 | 56 | 11 |
| 11 (10-11 am) | 50 | 60 | 20 | 90 | 90 | 40 | On | On | On | 41 | 42 | 29 | 74 | 66 | 13 |
| 12 (11-12 pm) | 70 | 80 | 20 | 90 | 90 | 40 | On | On | On | 57 | 54 | 31 | 68 | 68 | 35 |
| 13 (12-1 pm) | 70 | 80 | 40 | 90 | 90 | 60 | On | On | On | 62 | 59 | 36 | 68 | 68 | 37 |
| 14 (1-2 pm) | 70 | 80 | 40 | 90 | 90 | 60 | On | On | On | 61 | 60 | 36 | 71 | 69 | 37 |
| 15 (2-3 pm) | 70 | 80 | 40 | 90 | 90 | 60 | On | On | On | 50 | 49 | 34 | 72 | 70 | 39 |
| 16 (3-4 pm) | 80 | 80 | 40 | 90 | 90 | 60 | On | On | On | 45 | 48 | 35 | 72 | 69 | 41 |
| 17 (4-5 pm) | 70 | 80 | 40 | 90 | 90 | 60 | On | On | On | 46 | 47 | 37 | 73 | 66 | 38 |
| 18 (5-6 pm) | 50 | 60 | 20 | 90 | 90 | 40 | On | On | Off | 47 | 46 | 34 | 68 | 58 | 34 |
| 19 (6-7 pm) | 50 | 20 | 10 | 60 | 50 | 20 | On | On | Off | 42 | 44 | 25 | 68 | 47 | 3 |
| 20 (7-8 pm) | 30 | 20 | 0 | 60 | 30 | 5 | On | On | Off | 34 | 36 | 27 | 58 | 43 | 0 |
| 21 (8-9 pm) | 30 | 20 | 0 | 50 | 30 | 5 | On | On | Off | 33 | 29 | 21 | 54 | 43 | 0 |
| 22 (9-10 pm) | 0 | 10 | 0 | 20 | 10 | 5 | Off | On | Off | 23 | 22 | 16 | 0 | 8 | 0 |
| 23 (10-11 pm) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 13 | 16 | 10 | 0 | 0 | 0 |
| 24 (11-12 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 8 | 13 | 6 | 0 | 0 | 0 |
| Total/Day | 720 | 750 | 280 | 1115 | 985 | 525 | 1500 | 1600 | 900 | 662 | 690 | 459 | 844 | 761 | 288 |
| Total/Week | 46.30 hours | | | 70.85 hours | | | 100 hours | | | 44.59 hours | | | 52.69 hours | | |
| Total/Year | 2414 hours | | | 3694 hours | | | 5214 hours | | | 2325 hours | | | 2747 hours | | |

Wk = Weekday

a. Schedules for occupancy, lighting, receptacle, HVAC system, and service hot water are from ASHRAE Standard 90.1-1989 and addendums, except that 5% emergency lighting has been added for all off hours. Elevator schedules, except for restaurants, are from the U.S. Department of Energy Standard Evaluation Techniques except changed to 0% when occupancy is 0%. **These values may be used only if actual schedules are not known.**

## TABLE B103(9)
## SCHOOL OCCUPANCY[a]

| Hour of Day (Time) | Schedule for Occupancy Percent of Maximum Load | | | Schedule for Lighting Receptacle Percent of Maximum Load | | | Schedule for HVAC System | | | Schedule for Service Hot Water Percent of Maximum Load | | | Schedule for Elevator Percent of Maximum Load | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun |
| 1 (12-1 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 3 | 3 | 0 | 0 | 0 |
| 2 (1-2 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 3 | 3 | 0 | 0 | 0 |
| 3 (2-3 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 3 | 3 | 0 | 0 | 0 |
| 4 (3-4 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 3 | 3 | 0 | 0 | 0 |
| 5 (4-5 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 3 | 3 | 0 | 0 | 0 |
| 6 (5-6 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 3 | 3 | 0 | 0 | 0 |
| 7 (6-7 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 3 | 3 | 0 | 0 | 0 |
| 8 (7-8 am) | 5 | 0 | 0 | 30 | 5 | 5 | On | Off | Off | 10 | 3 | 3 | 0 | 0 | 0 |
| 9 (8-9 am) | 75 | 10 | 0 | 85 | 15 | 5 | On | On | Off | 34 | 3 | 5 | 30 | 0 | 0 |
| 10 (9-10 am) | 90 | 10 | 0 | 95 | 15 | 5 | On | On | Off | 60 | 5 | 5 | 30 | 0 | 0 |
| 11 (10-11 am) | 90 | 10 | 0 | 95 | 15 | 5 | On | On | Off | 63 | 5 | 5 | 30 | 0 | 0 |
| 12 (11-12 pm) | 80 | 10 | 0 | 95 | 15 | 5 | On | On | Off | 72 | 5 | 5 | 30 | 0 | 0 |
| 13 (12-1 pm) | 80 | 10 | 0 | 80 | 15 | 5 | On | On | Off | 79 | 5 | 5 | 30 | 0 | 0 |
| 14 (1-2 pm) | 80 | 0 | 0 | 80 | 5 | 5 | On | Off | Off | 83 | 3 | 5 | 30 | 0 | 0 |
| 15 (2-3 pm) | 80 | 0 | 0 | 80 | 5 | 5 | On | Off | Off | 61 | 3 | 3 | 30 | 0 | 0 |
| 16 (3-4 pm) | 45 | 0 | 0 | 70 | 5 | 5 | On | Off | Off | 65 | 3 | 3 | 15 | 0 | 0 |
| 17 (4-5 pm) | 15 | 0 | 0 | 50 | 5 | 5 | On | Off | Off | 10 | 3 | 3 | 0 | 0 | 0 |
| 18 (5-6 pm) | 5 | 0 | 0 | 50 | 5 | 5 | On | Off | Off | 10 | 3 | 3 | 0 | 0 | 0 |
| 19 (6-7 pm) | 15 | 0 | 0 | 35 | 5 | 5 | On | Off | Off | 19 | 3 | 3 | 0 | 0 | 0 |
| 20 (7-8 pm) | 20 | 0 | 0 | 35 | 5 | 5 | On | Off | Off | 25 | 3 | 3 | 0 | 0 | 0 |
| 21 (8-9 pm) | 20 | 0 | 0 | 35 | 5 | 5 | On | Off | Off | 22 | 3 | 3 | 0 | 0 | 0 |
| 22 (9-10 pm) | 10 | 0 | 0 | 30 | 5 | 5 | On | Off | Off | 22 | 3 | 3 | 0 | 0 | 0 |
| 23 (10-11 pm) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 12 | 3 | 3 | 0 | 0 | 0 |
| 24 (11-12 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 9 | 3 | 3 | 0 | 0 | 0 |
| Total/Day | 710 | 50 | 0 | 990 | 170 | 120 | 1500 | 500 | 0 | 691 | 80 | 84 | 285 | 0 | 0 |
| Total/Week | 36.00 hours | | | 52.40 hours | | | 80.00 hours | | | 36.19 hours | | | 14.25 hours | | |
| Total/Year | 1877 hours | | | 2732 hours | | | 4171 hours | | | 1887 hours | | | 743 hours | | |

Wk = Weekday

a. Schedules for occupancy, lighting, receptacle, HVAC system, and service hot water are from ASHRAE Standard 90.1-1989 and addendums, except that 5% emergency lighting has been added for all off hours. Elevator schedules, except for restaurants, are from the U.S. Department of Energy Standard Evaluation Techniques except changed to 0% when occupancy is 0%. **These values may be used only if actual schedules are not known.**

## TABLE B103(10)
## WAREHOUSE OCCUPANCY[a]

| Hour of Day (Time) | Schedule for Occupancy Percent of Maximum Load | | | Schedule for Lighting Receptacle Percent of Maximum Load | | | Schedule for HVAC System | | | Schedule for Service Hot Water Percent of Maximum Load | | | Schedule for Elevator Percent of Maximum Load | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun | Wk | Sat | Sun |
| 1 (12-1 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 2 | 2 | 2 | 0 | 0 | 0 |
| 2 (1-2 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 2 | 2 | 2 | 0 | 0 | 0 |
| 3 (2-3 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 2 | 2 | 2 | 0 | 0 | 0 |
| 4 (3-4 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 2 | 2 | 2 | 0 | 0 | 0 |
| 5 (4-5 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 5 | 2 | 2 | 0 | 0 | 0 |
| 6 (5-6 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 7 | 2 | 2 | 0 | 0 | 0 |
| 7 (6-7 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 7 | 2 | 2 | 0 | 0 | 0 |
| 8 (7-8 am) | 15 | 0 | 0 | 40 | 5 | 5 | On | Off | Off | 10 | 2 | 2 | 0 | 0 | 0 |
| 9 (8-9 am) | 70 | 20 | 0 | 70 | 8 | 5 | On | On | Off | 30 | 6 | 2 | 0 | 0 | 0 |
| 10 (9-10 am) | 90 | 20 | 0 | 90 | 24 | 5 | On | On | Off | 36 | 12 | 2 | 0 | 0 | 0 |
| 11 (10-11 am) | 90 | 20 | 0 | 90 | 24 | 5 | On | On | Off | 36 | 12 | 2 | 30 | 0 | 0 |
| 12 (11-12 pm) | 90 | 20 | 0 | 90 | 24 | 5 | On | On | Off | 46 | 17 | 2 | 0 | 0 | 0 |
| 13 (12-1 pm) | 50 | 10 | 0 | 80 | 5 | 5 | On | On | Off | 57 | 4 | 4 | 0 | 0 | 0 |
| 14 (1-2 pm) | 85 | 10 | 0 | 90 | 5 | 5 | On | On | Off | 43 | 4 | 4 | 0 | 0 | 0 |
| 15 (2-3 pm) | 85 | 10 | 0 | 90 | 5 | 5 | On | On | Off | 38 | 2 | 2 | 0 | 0 | 0 |
| 16 (3-4 pm) | 85 | 10 | 0 | 90 | 5 | 5 | On | On | Off | 40 | 2 | 2 | 40 | 0 | 0 |
| 17 (4-5 pm) | 20 | 0 | 0 | 90 | 5 | 5 | On | Off | Off | 30 | 2 | 2 | 0 | 0 | 0 |
| 18 (5-6 pm) | 0 | 0 | 0 | 30 | 5 | 5 | Off | Off | Off | 18 | 2 | 2 | 0 | 0 | 0 |
| 19 (6-7 pm) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 3 | 2 | 2 | 0 | 0 | 0 |
| 20 (7-8 pm) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 3 | 2 | 2 | 0 | 0 | 0 |
| 21 (8-9 pm) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 3 | 2 | 2 | 0 | 0 | 0 |
| 22 (9-10 pm) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 3 | 2 | 2 | 0 | 0 | 0 |
| 23 (10-11 pm) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 3 | 2 | 2 | 0 | 0 | 0 |
| 24 (11-12 am) | 0 | 0 | 0 | 5 | 5 | 5 | Off | Off | Off | 3 | 2 | 2 | 0 | 0 | 0 |
| Total/Day | 680 | 120 | 0 | 915 | 180 | 120 | 1000 | 800 | 0 | 429 | 91 | 52 | 70 | 0 | 0 |
| Total/Week | 35.20 hours | | | 48.75 hours | | | 58.00 hours | | | 22.88 hours | | | 3.50 hours | | |
| Total/Year | 1835 hours | | | 2542 hours | | | 3024 hours | | | 1193 hours | | | 182 hours | | |

Wk = Weekday

a. Schedules for occupancy, lighting, receptacle, HVAC system, and service hot water are from ASHRAE Standard 90.1-1989 and addendums, except that 5% emergency lighting has been added for all off hours. Elevator schedules, except for restaurants, are from the U.S. Department of Energy Standard Evaluation Techniques except changed to 0% when occupancy is 0%. **These values may be used only if actual schedules are not known.**