

| Average Daily Solar Radiation on a Horizontal Surface in the United States (Units: MJ/m²·Day) | | | | | | | | | | | | | |
|---|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|---------|
| Position | January | February | March | April | May | June | July | August | September | October | November | December | Average |
| San Francisco | 7.72 | 10.68 | 15.22 | 20.44 | 24.08 | 25.78 | 26.46 | 23.39 | 19.31 | 13.97 | 8.97 | 7.04 | 16.92 |
| Los Angeles | 10.11 | 13.06 | 17.26 | 21.80 | 23.05 | 23.74 | 25.67 | 23.51 | 18.97 | 14.99 | 11.36 | 9.31 | 17.72 |
| Santa Maria | 10.22 | 13.29 | 17.49 | 22.26 | 25.10 | 26.57 | 26.91 | 24.42 | 20.10 | 15.67 | 11.47 | 9.54 | 18.62 |
| Colorado | | | | | | | | | | | | | |
| Boulder | 7.84 | 10.45 | 15.64 | 17.94 | 17.94 | 20.47 | 20.28 | 17.12 | 16.07 | 12.09 | 8.66 | 7.10 | 14.31 |
| Colorado Springs | 9.09 | 12.15 | 16.13 | 20.33 | 22.26 | 24.98 | 23.96 | 21.69 | 18.5a | 14.42 | 9.99 | 8.18 | 16.81 |
| Connecticut | | | | | | | | | | | | | |
| Hartford | 6.70 | 9.65 | 13.17 | 16.69 | 19.53 | 21.24 | 21.12 | 18.51 | 14.76 | 10.68 | 6.59 | 5.45 | 13.74 |
| Delaware | | | | | | | | | | | | | |
| Wilmington | 7.27 | 10.22 | 13.97 | 17.60 | 20.33 | 22.49 | 21.80 | 19.65 | 15-79 | 11.81 | 7.84 | 6.25 | 14.65 |
| Florida | | | | | | | | | | | | | |
| Daytona Beach | 11.24 | 13.85 | 17.94 | 22.15 | 23.17 | 22.03 | 21.69 | 20.44 | 17.72 | 14.99 | 12.15 | 10.33 | 17.38 |
| Jacksonville | 10.45 | 13.17 | 17.03 | 21.12 | 22.03 | 21.58 | 21.01 | 19.42 | 16.69 | 14.20 | 11.47 | 9.65 | 16.47 |
| Tallahassee | 10.33 | 13.29 | 16.92 | 21.24 | 22.49 | 22.03 | 20.90 | 19.65 | 17.72 | 15.56 | 11.92 | 9.77 | 16.81 |
| Miami | 12.72 | 15.22 | 18.51 | 21.58 | 21.46 | 20.10 | 21.10 | 20.10 | 17.60 | 15.67 | 13.17 | 11.81 | 17.38 |
| Key West | 13.17 | 16.01 | 19.65 | 22.71 | 22.83 | 22.03 | 22.03 | 21.01 | 18.74 | 16.47 | 13.85 | 15.79 | 18.40 |
| Tampa | 11.58 | 14.42 | 18.17 | 22.26 | 23.05 | 21.92 | 20.90 | 19.65 | 17.60 | 16.01 | 12.83 | 11.02 | 17.49 |
| Georgia | | | | | | | | | | | | | |
| Athens | 9.43 | 12.38 | 16.01 | 20.21 | 22.03 | 22.83 | 21.80 | 20.21 | 17.26 | 14.42 | 10.45 | 8.40 | 16.29 |
| Atlanta | 9.31 | 12.26 | 16.13 | 20.33 | 22.37 | 23.17 | 22.15 | 20.56 | 17.49 | 14.54 | 10.56 | 8.52 | 16.43 |

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| Average Daily Solar Radiation on a Horizontal Surface in the United States (Units: MJ/m²·Day) | | | | | | | | | | | | | |
|---|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|---------|
| Position | January | February | March | April | May | June | July | August | September | October | November | December | Average |
| Louisiana | | | | | | | | | | | | | |
| New Orleans | 9.77 | 12.83 | 16.01 | 19.87 | 21.80 | 22.03 | 20.67 | 19.65 | 17.60 | 15.56 | 11.24 | 9.31 | 16.35 |
| Lake Charles | 9.77 | 12.83 | 16.13 | 19.31 | 21.58 | 22.71 | 21.58 | 20.33 | 18.06 | 15.56 | 11.47 | 9.31 | 16.58 |
| Maine | | | | | | | | | | | | | |
| Portland | 6.70 | 9.99 | 13.78 | 16.92 | 19.99 | 21.92 | 21.69 | 19.31 | 15.22 | 10.56 | 6.47 | 5.45 | 13.97 |
| Maryland | | | | | | | | | | | | | |
| Baltimore | 7.38 | 10.33 | 13.97 | 17.60 | 20.21 | 22.15 | 21.69 | 19.19 | 15.79 | 11.92 | 8.06 | 6.36 | 14.54 |
| Massachusetts | | | | | | | | | | | | | |
| Boston | 6.70 | 9.65 | 13.40 | 16.92 | 20.21 | 22.03 | 21.80 | 19.31 | 15.33 | 10.79 | 6.81 | 5.45 | 14.08 |
| Michigan | | | | | | | | | | | | | |
| Detroit | 5.91 | 8.86 | 12.38 | 16.47 | 20.33 | 22.37 | 21.92 | 18.97 | 14.76 | 10.11 | 6.13 | 4.66 | 13.63 |
| Lansing | 5.91 | 8.86 | 12.49 | 16.58 | 20.21 | 22.26 | 21.92 | 18.85 | 14.54 | 9.77 | 5.91 | 4.66 | 13.51 |
| Minnesota | | | | | | | | | | | | | |
| Duluth | 5.68 | 9.31 | 13.74 | 17.38 | 20.10 | 21.46 | 21.80 | 18.28 | 13.29 | 8.86 | 5.34 | 4.43 | 13.29 |
| Minneapolis | 6.36 | 9.77 | 13.51 | 16.92 | 20.56 | 22.49 | 22.83 | 19.42 | 34.65 | 9.99 | 6.13 | 4.88 | 13.97 |
| Rochester | 6.36 | 9.65 | 13.17 | 16.58 | 20.10 | 22.15 | 22.15 | 19.08 | 14.54 | 10.11 | 6.25 | 5.11 | 13.74 |
| Mississippi | | | | | | | | | | | | | |
| Jackson | 9.43 | 12.38 | 16.13 | 19.87 | 22.15 | 23.05 | 22.15 | 19.08 | 14.54 | 10.11 | 6.25 | 5.11 | 13.74 |
| Missouri | | | | | | | | | | | | | |
| Columbia | 8.06 | 10.90 | 14.31 | 18.62 | 21.58 | 23.62 | 23.85 | 21.12 | 16.69 | 12.72 | 8.29 | 6.70 | 15.56 |
| Kansas City | 7.95 | 10.68 | 14.08 | 18.28 | 21.24 | 23.28 | 23.62 | 20.78 | 16.58 | 12.72 | 8.40 | 6.70 | 15.44 |

[illegible]

| Average Daily Solar Radiation on a Horizontal Surface in the United States (Units: MJ/m²·Day) | | | | | | | | | | | | | |
|---|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|---------|
| Position | January | February | March | April | May | June | July | August | September | October | November | December | Average |
| New York City | 6.93 | 9.88 | 13.85 | 17.72 | 20.44 | 22.03 | 21.69 | 19.42 | 15.56 | 11.47 | 7.27 | 5.79 | 14.31 |
| Rochester | 5.68 | 8.52 | 12.26 | 16.58 | 19.87 | 21.92 | 21.69 | 18.51 | 14.20 | 9.54 | 5.68 | 4.54 | 13.29 |
| North Carolina | | | | | | | | | | | | | |
| Charlotte | 8.97 | 11.81 | 15.67 | 19.76 | 21.58 | 22.60 | 21.92 | 19.99 | 16.92 | 13.97 | 9.99 | 8.06 | 16.01 |
| Wilmington | 9.31 | 12.15 | 16.24 | 20.44 | 21.92 | 22.60 | 21.58 | 19.53 | 16.69 | 14.08 | 10.56 | 8.52 | 16.13 |
| North Dakota | | | | | | | | | | | | | |
| Fargo | 5.79 | 9.09 | 13.17 | 16.92 | 20.56 | 22.37 | 23.17 | 19.87 | 14.31 | 9.54 | 5.68 | 4.54 | 13.74 |
| Bismarck | 6.12 | 9.75 | 13.88 | 17.43 | 21.45 | 23.01 | 24.06 | 20.12 | 15.21 | 10.61 | 6.28 | 4.84 | 14.39 |
| Ohio | | | | | | | | | | | | | |
| Cleveland | 5.79 | 8.63 | 12.04 | 16.58 | 20.10 | 22.15 | 21.92 | 18.97 | 14.76 | 10.22 | 6.02 | 4.66 | 13.51 |
| Columbus | 6.47 | 9.09 | 12.49 | 16.58 | 19.76 | 21.58 | 21.12 | 18.97 | 15.44 | 11.24 | 6.81 | 5.34 | 13.74 |
| Dayton | 6.81 | 9.43 | 12.83 | 17.03 | 20.33 | 22.37 | 22.37 | 19.65 | 15.90 | 11.47 | 7.04 | 5.45 | 14.20 |
| Youngstown | 5.79 | 8.40 | 11.92 | 15.90 | 19.19 | 21.24 | 20.78 | 18.06 | 14.31 | 10.11 | 6.02 | 4.77 | 13.06 |
| Oklahoma | | | | | | | | | | | | | |
| Oklahoma City | 9.88 | 1.25 | 16.47 | 20.33 | 22.26 | 24.42 | 24.98 | 22.49 | 18.17 | 14.54 | 10.45 | 8.74 | 17.15 |
| Oregon | | | | | | | | | | | | | |
| Eugene | 4.54 | 7.04 | 11.24 | 15.79 | 19.99 | 22.37 | 24.19 | 21.01 | 15.90 | 9.65 | 5.11 | 3.75 | 13.40 |
| Medford | 5.34 | 8.52 | 13.17 | 18.62 | 23.39 | 26.23 | 27.82 | 23.96 | 18.62 | 11.92 | 6.02 | 4.43 | 15.67 |
| Portland | 4.20 | 6.70 | 10.68 | 15.10 | 18.97 | 21.24 | 22.60 | 19.53 | 14.88 | 9.20 | 4.88 | 3.52 | 12.61 |
| Pacific Islands | | | | | | | | | | | | | |
| Guam | 16.35 | 17.38 | 19.65 | 20.78 | 20.56 | 19.76 | 18.28 | 17.49 | 17.49 | 16.58 | 15.79 | 15.10 | 17.94 |

[illegible]

Average Daily Solar Radiation on a Horizontal Surface in the United States (Units: MJ/m²-Day)

| Position | January | February | March | April | May | June | July | August | September | October | November | December | Average |
|---------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|---------|
| Vermont | | | | | | | | | | | | | |
| Burlington | 5.79 | 9.20 | 13.06 | 16.47 | 19.87 | 21.69 | 21.80 | 18.74 | 14.42 | 9.43 | 5.56 | 4.43 | 13.40 |
| Virginia | | | | | | | | | | | | | |
| Norfolk | 8.06 | 10.90 | 14.65 | 18.51 | 20.78 | 22.15 | 21.12 | 19.42 | 16.13 | 12.49 | 9.09 | 7.27 | 15.10 |
| Richmond | 8.06 | 10.90 | 14.76 | 18.62 | 20.90 | 22.49 | 21.58 | 19.53, | 16.24 | 12.61 | 8.97 | 7.15 | 15.22 |
| Washington | | | | | | | | | | | | | |
| Olympia | 3.63 | 6.02 | 9.99 | 14.20 | 18.06 | 20.10 | 21.12 | 18.17 | 13.63 | 7.95 | 4.32 | 3.07 | 11.70 |
| Seattle | 3.52 | 5.91 | 10.11 | 14.65 | 19.08 | 20.78 | 21.80 | 18.51 | 13.51 | 7.95 | 4.20 | 2.84 | 11.92 |
| Yakima | 4.88 | 7.95 | 12.83 | 17.83 | 22.49 | 24.87 | 25.89 | 22.26 | 16.92 | 10.68 | 5.56 | 4.09 | 17.76 |
| West Virginia | | | | | | | | | | | | | |
| Charleston | 7.04 | 9.65 | 13.40 | 17.15 | 20.21 | 21.69 | 20.90 | 18.97 | 15.56 | 11.81 | 7.72 | 6.02 | 14.20 |
| Elkins | 6.93 | 9.43 | 12.83 | 16.35 | 19.08 | 20.56 | 19.99 | 18.06 | 14.88 | 11.13 | 7.27 | 5.79 | 13.51 |
| Wisconsin | | | | | | | | | | | | | |
| Green Bay | 6.25 | 9.31 | 13.17 | 16.81 | 20.56 | 22.49 | 22.03 | 18.85 | 14.20 | 9.65 | 5.79 | 4.88 | 13.74 |
| Madison | 6.59 | 9.88 | 13.29 | 16.92 | 20.67 | 22.83 | 22.37 | 19.42 | 14.76 | 3.41 | 6.25 | 5.22 | 14.08 |
| Milwaukee | 6.47 | 9.31 | 12.72 | 16.69 | 20.78 | 22.94 | 22.60 | 19.42 | 14.88 | 10.22 | 6.25 | 5.11 | 13.97 |
| Wyoming | | | | | | | | | | | | | |
| Rock Springs | 7.61 | 10.90 | 15.30 | 19.42 | 23.17 | 26.01 | 25.78 | 22.94 | 18.62 | 13.40 | 8.40 | 6.70 | 16.58 |
| Seridan | 6.47 | 9.77 | 13.97 | 17.94 | 20.90 | 23.85 | 24.64 | 21.69 | 16.47 | 11.24 | 7.15 | 5.56 | 14.99 |

Source: Courtesy of National Renewable Energy Laboratory, Golden, CO, <http://rredc.nrel.gov/solar>