**Table 7.8d: Capacity Factors and Usage Factors at Electric Generators: Industrial Sector (Percent)**

| Year       | Coal 6,7 | Petroleum 6,8 | Combined Cycle | Gas Turbine | Steam Turbine | Nuclear Electric Power | Conventional Hydroelectric Power | Bio-mass 9 | Geo-thermal | Solar Photovoltaic 10 | Wind 11 | Hydro-electric Pumped Storage | Battery Storage |
|------------|----------|---------------|----------------|-------------|---------------|------------------------|----------------------------------|-----------|-------------|------------------------|---------|--------------------------|----------------|---
| 2008       | 51.8     | 32.6          | 55.2           | 53.1        | 45.2          | -                      | 54.9                             | 63.1      | -           | -                      | -       | -                        | -              | ---
| 2009       | 54.8     | 33.7          | 62.4           | 69.6        | 54.3          | -                      | 55.9                             | 62.2      | -           | -                      | -       | -                        | -              | ---
| 2010       | 54.3     | 33.9          | 62.4           | 69.6        | 54.3          | -                      | 55.9                             | 62.2      | -           | -                      | -       | -                        | -              | ---
| 2011       | 53.6     | 29.5          | 61.1           | 68.7        | 56.8          | -                      | 61.0                             | 60.2      | -           | -                      | -       | -                        | -              | ---
| 2012       | 45.7     | 34.4          | 64.1           | 69.6        | 56.7          | -                      | 57.6                             | 62.2      | -           | -                      | -       | -                        | -              | ---
| 2013       | 49.8     | 30.0          | 70.7           | 75.1        | 50.2          | -                      | 61.1                             | 60.7      | -           | -                      | -       | -                        | -              | ---
| 2014       | 49.5     | 27.5          | 67.5           | 71.0        | 48.6          | -                      | 57.6                             | 61.7      | -           | -                      | -       | -                        | -              | ---
| 2015       | 48.2     | 26.1          | 68.1           | 72.7        | 41.2          | -                      | 57.6                             | 62.2      | -           | -                      | -       | -                        | -              | ---
| 2016       | 46.3     | 25.2          | 69.7           | 73.0        | 40.3          | -                      | 51.4                             | 61.7      | -           | -                      | -       | -                        | -              | ---
| 2017       | 46.7     | 24.4          | 68.9           | 74.9        | 37.7          | -                      | 55.9                             | 62.7      | -           | -                      | -       | -                        | -              | ---
| 2018       | 45.6     | 26.2          | 71.8           | 75.3        | 40.8          | -                      | 62.8                             | 63.6      | -           | -                      | -       | -                        | -              | ---
| 2019       | 41.6     | 26.3          | 73.4           | 75.9        | 44.2          | -                      | 55.0                             | 62.2      | -           | -                      | -       | -                        | -              | ---
| 2020       | 41.9     | 23.2          | 67.0           | 74.5        | 44.0          | -                      | 53.2                             | 61.2      | -           | -                      | -       | -                        | -              | ---

Notes:
- Data are for utility-scale facilities. See Note 1, "Coverage of Electricity Statistics," at end of section. Monthly factors are based on a time-adjusted total net summer capacity of generators in operation for the entire month. Annual factors are based on a time-weighted average of the monthly time-adjusted capacity. For plants that use multiple energy sources or technologies, capacity is assigned to the reported combination of predominant energy source and technology. See EIA’s Electric Power Annual, "Technical Notes," for further information. See "Capacity factor in Glossary." See Note 2, "Classification of Power Plants into Energy-Use Sectors," at end of section. Geographic coverage is the 50 states and the District of Columbia.
