

## APPENDIX K

### Commercial Nuclear Power Plant Licensing History 1955–2020

| Year | Original Licensing Regulations<br>(10 CFR Part 50) <sup>1</sup> |                         | Alternative Licensing<br>Regulations<br>(10 CFR Part 52) <sup>3</sup> |                                | Permanent<br>Shutdowns <sup>6</sup> | Operable<br>Units |
|------|---|-------------------------|---|--------------------------------|-------------------------------------|-------------------|
|      | CP Issued <sup>2</sup>  | Full-Power<br>OL Issued | COL<br>Issued <sup>4</sup>  | Operating<br>COLs <sup>5</sup> |                                     |                   |
| 1955 | 1   | 0                       | --  | --                             | 0                                   | 0                 |
| 1956 | 3   | 0                       | --  | --                             | 0                                   | 0                 |
| 1957 | 1   | 1                       | --  | --                             | 0                                   | 1                 |
| 1958 | 0   | 0                       | --  | --                             | 0                                   | 1                 |
| 1959 | 3   | 1                       | --  | --                             | 0                                   | 2                 |
| 1960 | 7   | 1                       | --  | --                             | 0                                   | 3                 |
| 1961 | 0   | 0                       | --  | --                             | 0                                   | 3                 |
| 1962 | 1   | 6                       | --  | --                             | 0                                   | 9                 |
| 1963 | 1   | 2                       | --  | --                             | 1                                   | 11                |
| 1964 | 3   | 3                       | --  | --                             | 1                                   | 13                |
| 1965 | 1   | 0                       | --  | --                             | 0                                   | 13                |
| 1966 | 5   | 2                       | --  | --                             | 17                                  | 14                |
| 1967 | 14  | 3                       | --  | --                             | 2                                   | 15                |
| 1968 | 23  | 0                       | --  | --                             | 1                                   | 13                |
| 1969 | 7   | 4                       | --  | --                             | 0                                   | 17                |
| 1970 | 10  | 3                       | --  | --                             | 1                                   | 20                |
| 1971 | 4   | 2                       | --  | --                             | 0                                   | 22                |
| 1972 | 8   | 6                       | --  | --                             | 2                                   | 27                |
| 1973 | 14  | 15                      | --  | --                             | 0                                   | 42                |
| 1974 | 23  | 15                      | --  | --                             | 2                                   | 55                |
| 1975 | 9   | 2                       | --  | --                             | 0                                   | 57                |
| 1976 | 9   | 7                       | --  | --                             | 1                                   | 63                |
| 1977 | 15  | 4                       | --  | --                             | 0                                   | 67                |
| 1978 | 13  | 4                       | --  | --                             | 1                                   | 70                |
| 1979 | 2   | 0                       | --  | --                             | 1                                   | 69                |
| 1980 | 0   | 2                       | --  | --                             | 0                                   | 71                |
| 1981 | 0   | 4                       | --  | --                             | 0                                   | 75                |
| 1982 | 0   | 4                       | --  | --                             | 1                                   | 78                |
| 1983 | 0   | 3                       | --  | --                             | 0                                   | 81                |
| 1984 | 0   | 6                       | --  | --                             | 0                                   | 87                |
| 1985 | 0   | 9                       | --  | --                             | 0                                   | 96                |
| 1986 | 0   | 5                       | --  | --                             | 0                                   | 101               |
| 1987 | 0   | 8                       | --  | --                             | 1                                   | 107               |
| 1988 | 0   | 2                       | --  | --                             | 0                                   | 109               |
| 1989 | 0   | 4                       | --  | --                             | 3                                   | 111               |
| 1990 | 0   | 2                       | --  | --                             | 0                                   | 112               |
| 1991 | 0   | 0                       | --  | --                             | 1                                   | 111               |
| 1992 | 0   | 0                       | --  | --                             | 2                                   | 109               |
| 1993 | 0   | 1                       | --  | --                             | 0                                   | 110               |
| 1994 | 0   | 0                       | --  | --                             | 0                                   | 109               |
| 1995 | 0   | 0                       | --  | --                             | 0                                   | 109               |
| 1996 | 0   | 1                       | --  | --                             | 3                                   | 109               |

## APPENDIX K

### Commercial Nuclear Power Plant Licensing History 1955–2020 (continued)

| Year          | Original Licensing Regulations<br>(10 CFR Part 50) <sup>1</sup> |                         | Alternative Licensing<br>Regulations<br>(10 CFR Part 52) <sup>3</sup> |                                | Permanent<br>Shutdowns <sup>6</sup> | Operable<br>Units |
|---------------|---|-------------------------|---|--------------------------------|-------------------------------------|-------------------|
|               | CP Issued <sup>2</sup>  | Full-Power<br>OL Issued | COL<br>Issued <sup>4</sup>  | Operating<br>COLs <sup>5</sup> |                                     |                   |
| 1997          | 0   | 0                       | 0   | 0                              | 2                                   | 107               |
| 1998          | 0   | 0                       | 0   | 0                              | 1                                   | 104               |
| 1999–<br>2011 | 0   | 0                       | 0   | 0                              | 0                                   | 104               |
| 2012          | 0   | 0                       | 4 units   | 0                              | 0                                   | 104               |
| 2013          | 0   | 0                       | 0   | 0                              | 4                                   | 100               |
| 2014          | 0   | 0                       | 0   | 0                              | 1                                   | 99                |
| 2015          | 0   | 1                       | 1 unit  | 0                              | 0                                   | 100               |
| 2016          | 0   | 0                       | 6 units   | 0                              | 1                                   | 99                |
| 2017          | 0   | 0                       | 1 unit  | 0                              | 0                                   | 99                |
| 2018          | 0   | 0                       | 2 units   | 0                              | 1                                   | 98                |
| 2019          | 0   | 0                       | 0   | 0                              | 2                                   | 96                |
| 2020          | 0   | 0                       | 0   | 0                              | 2                                   | 94                |
| 2021          | 0   | 0                       | 0   | 0                              | 1                                   | 93                |
| <b>Total</b>  | <b>177</b>  | <b>133</b>              | <b>14 units</b>   | <b>0</b>                       | <b>39</b>                           | <b>--</b>         |

 U.S. Atomic Energy Commission was the regulatory authority.

**-- Not applicable**

<sup>1</sup> Data in columns 1–3 are based on 10 CFR Part 50. Numbers reflect permits or licenses issued in a given year, not extant permits or licenses.

<sup>2</sup> Issuance by regulatory authority of a permit, or equivalent permission, to begin construction. Under alternative licensing regulations in 10 CFR Part 52, a construction permit (CP) is not issued separately from the operating license.

<sup>3</sup> Data in columns 4–6 are based on 10 CFR Part 52. Numbers reflect permits or licenses issued in a given year, not extant permits or licenses.

<sup>4</sup> Number of combined licenses (COLs) issued in a given year, including six that were subsequently terminated. See Appendix A on status of plant construction and Appendix B for more information on withdrawn and suspended applications.

<sup>5</sup> Issuance by the NRC of a finding under 10 CFR 52.103(g), in a given year.

<sup>6</sup> Number of operating plants transitioned to shutdown in a given year. Does not represent the total number of reactor units included.

<sup>7</sup> These are DOE nuclear legacy sites: Hallam (1964), Piqua (1966), Elk River (1968), and Shippingport (1982). For more information, visit DOE's Legacy Management Web site at <https://energy.gov/lm/sites/lm-sites> and see the Glossary for definitions of decommissioning alternatives (DECON, SAFSTOR).

Source: U.S. Energy Information Administration/Annual Energy Review 2011 located at <https://www.eia.gov/aer> and compilation of NRC information following 2011.

Data are current as of September 2022; the next printed update will be in August 2022.