



Mike Holt's State Rating of the Electrical Industry

POINT ASSIGNMENT

1 point for mandatory apprenticeship program
1 point for each mandatory licensing type
1 point for CE or PDH requirements for renewal
-0.5 points *Partial Adoption
[for example government only or commercial only]
3 points 2020 NEC
2 points 2017 NEC
1 point 2014 NEC
0 points 2011 NEC
-1 point 2008 NEC
-2 points local city/county/municipality

YES = State-wide mandate
NO = adopted at local levels
A = State name
B = Mandatory Apprenticeship program

LEGEND

C, E, G, I = required to be state-licensed
D, F, H, J = CEU/PDH required for license renewal
K = NEC edition adopted state-wide
L = explains partial adoption

M = points for this year
N = current grade based on points
O = change in points from last report
P = what updated since last report

THE SCALE is F to A+ based on the following point totals

| F | F | F | D | D+ | D+ | C- | C- | C | C | C+ | C+ | B- | B- | B | B | B+ | B+ | A- | A- | A | A | A+ |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| 0.0 | 1.0 | 1.5 | 2.0 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 | 10.5 | 11.0 | 11.5 | 12.0 |

| | 2022 DETAILS | | | | | | | | | | | HISTORICAL RANKING | | | | | | | | | | | | | | | | | |
|-------------------------|--------------|------------|-----|---------------|-----|----------------|-----|----------------|-----|------------------------------------|--|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------|--------------------------------------|
| A | B | C | D | E | F | G | H | I | J | K | L | M | | | | | | | | | | | | | N | O | P | | |
| STATE | APPRENTICE | JOURNEYMAN | | MASTER/CONTR. | | PROF. ENGINEER | | INSPECTOR | | NEC adopte d *State- wide | *Partial Adoption -0.5 points | 2022 points | 2007 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 RATING | 2021 CHANGE | WHAT UPDATED SINCE LAST REPORT |
| | LICENSE | LICENSE | CEU | LICENSE | CEU | LICENSE | PDH | STATE CERT. | CEU | | | | | | | | | | | | | | | | | | | | |
| ALABAMA | NO | YES | NO | YES | YES | YES | YES | YES | YES | 2014 | State buildings, schoolhouses, hotels, motion picture studios | 7.5 | D | B- | C- | C- | B- | B- | C+ | B- | C+ | C+ | B | B | B- | B- | B- | 0 | |
| ALASKA | YES | YES | YES | YES | YES | YES | YES | YES | YES | 2017 | | 11.0 | B | B+ | A- | A- | A+ | A+ | A | A | A | A | A+ | A | A | A | A | 0 | |
| ARIZONA | NO | NO | NO | YES | NO | YES | NO | NO | NO | Local | | 0.0 | D | D | D | D | D | D | F | F | F | F | F | F | F | F | F | 0 | |
| ARKANSAS | YES | YES | YES | YES | YES | YES | YES | YES | YES | 2017 | | 11.0 | A- | A- | A- | A- | A+ | A+ | A+ | A+ | A+ | A | A+ | A+ | A | A | A | 0 | |
| CALIFORNIA | YES | YES | YES | YES | YES | YES | NO | YES | YES | 2017 | | 10.0 | A- | A- | A- | A- | A- | A- | A- | A- | A- | A- | A- | A- | A- | A- | A- | 0 | |
| COLORADO | YES | YES | YES | YES | YES | YES | NO | YES | YES | 2020 | | 11.0 | B- | B | B | B+ | A- | A- | A+ | A+ | A+ | A | A+ | A+ | A- | A | A | 0 | |
| CONNECTICUT | YES | YES | YES | YES | YES | YES | NO | YES | YES | 2017 | | 10.0 | A- | A- | A- | B+ | B+ | B+ | A- | A- | A- | A- | A- | A | A- | A- | A- | 0 | |
| DELAWARE | YES | YES | YES | YES | YES | YES | YES | YES | YES | 2020 | | 12.0 | A- | B+ | A- | A- | A | A | A- | A- | A- | A | A | A | A- | A- | A+ | +2 | 2020 NEC as of 9/1/21 (from 2014) |
| DISTRICT OF COLUMBIA | YES | YES | NO | YES | NO | YES | YES | YES | NO | 2011 | | 6.0 | C | C | C | C | C | C | C+ | C+ | C+ | C | C | C | C | C+ | C+ | 0 | |
| FLORIDA | NO | NO | NO | YES | YES | YES | YES | YES | YES | 2017 | | 8.0 | B+ | B | B+ | B | B | B | B- | B | B | B- | B | B | B- | B | B | 0 | |
| GEORGIA | NO | NO | NO | YES | YES | YES | YES | NO | NO | 2020 | | 7.0 | B | B | B- | C+ | B- | B- | B- | B- | B- | C+ | B- | B- | C+ | B- | B- | 0 | |
| HAWAII | NO | YES | YES | YES | YES | YES | NO | NO | NO | 2017 | State Building; local counties | 6.5 | B- | C+ | C | C | B- | B- | C+ | C+ | C | C- | C+ | B- | C+ | C+ | C+ | 0 | |
| IDAHO | YES | YES | YES | YES | YES | YES | YES | YES | NO | 2017 | | 10.0 | B+ | B+ | A- | A- | A- | A- | A | A | A | A- | A | A | A- | A- | A- | 0 | |
| ILLINOIS | NO | NO | NO | NO | NO | YES | YES | YES | NO | Local | | 1.0 | D | D | D | D+ | D+ | D+ | D | D | D | F | F | F | F | F | F | 0 | |
| INDIANA | NO | NO | NO | NO | NO | YES | YES | NO | NO | 2008 | | 1.0 | C- | D+ | C- | C- | C- | C- | D+ | D+ | D+ | D | D | D | F | F | F | 0 | |
| IOWA | YES | YES | YES | YES | YES | YES | YES | YES | YES | 2020 | | 12.0 | D | B+ | A | A | A+ | A+ | A | A+ | A+ | A | A+ | A+ | A | A+ | A+ | 0 | |
| KANSAS | NO | NO | NO | NO | NO | YES | YES | NO | NO | Local | | 0.0 | C- | D+ | D | D | D | D | F | F | F | F | F | F | F | F | F | 0 | |
| KENTUCKY | NO | YES | YES | YES | YES | YES | YES | YES | YES | 2017 | | 10.0 | A- | A- | A | A- | A | A | A | A | A | A- | A- | A | A- | A- | A- | 0 | |
| LOUISIANA | NO | NO | NO | YES | YES | YES | YES | NO | NO | 2014 | | 5.0 | C | C+ | B- | C+ | B- | B- | C+ | C+ | C+ | C | C+ | C+ | C | C | C | 0 | |
| MAINE | YES | YES | YES | YES | YES | YES | YES | YES | YES | 2020 | | 12.0 | A | A | A | A | A+ | A+ | A+ | A+ | A+ | A | A+ | A+ | A | A | A+ | +1 | 2020 NEC as of 7/2/21 |
| MARYLAND | NO | NO | NO | YES | YES | YES | YES | YES | NO | 2017 | State buildings, schoolhouses, hotels, motion picture studios | 6.5 | D+ | D | C- | C- | C- | C+ | C | C | C | C+ | C | C | C | C+ | C+ | 0 | |
| MASSACHUSETTS | NO | YES | YES | YES | YES | YES | NO | YES | YES | 2020 | | 10.0 | B+ | B+ | A- | A- | A- | A- | A- | A- | A- | A- | A- | A- | A- | A- | A- | 0 | |
| MICHIGAN | YES | YES | YES | YES | YES | YES | YES | YES | YES | 2017 | | 11.0 | A- | A- | A | A- | A- | A- | A | A+ | A+ | A | A | A+ | A | A | A | 0 | |

| | 2022 DETAILS | | | | | | | | | | | HISTORICAL RANKING | | | | | | | | | | | | | | | | | | |
|----------------|--------------|------------|-----|---------------|-----|----------------|-----|----------------|-----|-------|--|----------------------------------|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------------|----------------------------|--------------------------------------|
| A | B | C | D | E | F | G | H | I | J | K | L | M | | | | | | | | | | | | | N | O | P | | | |
| STATE | APPRENTICE | JOURNEYMAN | | MASTER/CONTR. | | PROF. ENGINEER | | INSPECTOR | | | NEC adopte d *State- wide | *Partial Adoption -0.5 points | 2022 points | 2007 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 RATING | 2021 CHANGE | WHAT UPDATED SINCE LAST REPORT |
| | LICENSE | LICENSE | CEU | LICENSE | CEU | LICENSE | PDH | STATE CERT. | CEU | | | | | | | | | | | | | | | | | | | | | |
| MINNESOTA | YES | YES | YES | YES | YES | YES | YES | YES | YES | 2020 | | 12.0 | A+ | B+ | A+ | A+ | A+ | A+ | A+ | A+ | A+ | A+ | A+ | A | A+ | A+ | A+ | 0 | | |
| MISSISSIPPI | NO | NO | NO | YES | NO | YES | YES | NO | NO | Local | | 1.0 | D+ | D+ | D+ | D+ | D+ | D+ | D | D | D | F | F | F | F | F | F | 0 | | |
| MISSOURI | NO | NO | NO | NO | NO | YES | YES | NO | NO | Local | | 0.0 | D+ | D | D | D | D | D | F | F | F | F | F | F | F | F | F | 0 | | |
| MONTANA | YES | YES | YES | YES | YES | YES | YES | YES | NO | 2017 | | 10.0 | B | B | B | A- | A | A | A | A | A | A- | A- | A- | B+ | A- | A- | 0 | | |
| NEBRASKA | YES | YES | YES | YES | YES | YES | YES | YES | YES | 2017 | | 11.0 | B+ | B | A- | A | A | A | A+ | A+ | A+ | A | A+ | A+ | A | A | A | 0 | | |
| NEVADA | NO | NO | NO | YES | NO | YES | YES | YES | NO | Local | | 2.0 | D+ | C- | C- | D+ | D+ | D+ | D | D | D | F | F | F | F | D | D | 0 | | |
| NEW HAMPSHIRE | YES | YES | YES | YES | YES | YES | YES | NO | NO | 2017 | | 9.0 | A- | A- | A- | A- | A- | A- | A- | A- | B+ | A- | A- | B+ | B+ | B+ | 0 | | | |
| NEW JERSEY | NO | YES | YES | YES | YES | YES | YES | YES | YES | 2017 | | 10.0 | B+ | B+ | A- | A- | A | A | A- | A- | A- | A- | A- | A- | A- | A- | A- | 0 | | |
| NEW MEXICO | NO | YES | YES | YES | YES | YES | YES | YES | NO | 2017 | | 9.0 | B+ | B+ | B+ | B+ | A- | A- | A- | A- | A- | B+ | A- | A- | B+ | B+ | B+ | 0 | | |
| NEW YORK | NO | NO | NO | NO | NO | YES | YES | YES | YES | 2017 | | 6.0 | D+ | D+ | D+ | C- | C- | C- | D+ | D+ | D+ | C- | C+ | C+ | C | C+ | C+ | 0 | | |
| NORTH CAROLINA | NO | NO | NO | YES | YES | YES | YES | YES | YES | 2020 | | 9.0 | A | A | A | B | B+ | B+ | B | B | B | B | B+ | B+ | B | B | B+ | +1 | 2020 NEC as of 11/1/21 | |
| NORTH DAKOTA | YES | YES | YES | YES | YES | YES | YES | YES | YES | 2020 | | 12.0 | A+ | A+ | A+ | A+ | A+ | A+ | A+ | A+ | A | A+ | A+ | A | A+ | A+ | A+ | 0 | | |
| OHIO | NO | NO | NO | YES | YES | YES | YES | YES | YES | 2017 | Commercial Building only | 7.5 | A- | A- | B+ | B | B+ | B+ | B | B+ | B+ | B- | B | B | B- | B- | B- | 0 | | |
| OKLAHOMA | YES | YES | YES | YES | YES | YES | YES | YES | YES | 2017 | Commercial Building only | 10.5 | A+ | A | A+ | A | A+ | A+ | A | A | A | A- | A- | A- | B+ | B+ | A- | +1 | 2017 NEC as of 9/14/21 for | |
| OREGON | YES | YES | YES | YES | YES | YES | YES | YES | YES | 2020 | | 12.0 | A+ | A+ | A+ | A+ | A+ | A+ | A+ | A+ | A | A+ | A+ | A | A+ | A+ | A+ | 0 | | |
| PENNSYLVANIA | NO | NO | NO | NO | NO | YES | YES | YES | YES | 2017 | | 6.0 | C | C- | C | C | C+ | C+ | C | C | C | C- | C+ | C+ | C | C | C+ | +1 | 2017 NEC as of 2/14/22 | |
| RHODE ISLAND | NO | YES | YES | YES | YES | YES | NO | YES | YES | 2020 | | 10.0 | A- | A- | A- | A- | A- | A- | A- | A- | B+ | B+ | B+ | B+ | B+ | A- | +1 | 2020 NEC as of 2/1/22 | | |
| SOUTH CAROLINA | NO | NO | NO | YES | NO | YES | YES | YES | YES | 2017 | | 7.0 | B- | B- | B | B- | B- | B- | B- | B- | B- | B- | B- | B- | B- | B- | B- | 0 | | |
| SOUTH DAKOTA | YES | YES | YES | YES | YES | YES | YES | YES | YES | 2020 | | 12.0 | A | A+ | A+ | A+ | A+ | A+ | A+ | A+ | A+ | A | A+ | A+ | A | A+ | A+ | 0 | | |
| TENNESSEE | NO | YES | NO | YES | NO | YES | YES | YES | YES | 2017 | State except for 30 local jurisdictions | 7.5 | B | B | B | B- | B | B | B- | B- | C+ | C | B | B | B- | B- | B- | 0 | | |
| TEXAS | YES | YES | YES | YES | YES | YES | YES | NO | NO | 2020 | | 10.0 | B+ | B+ | A- | A- | A- | A- | A- | A- | A- | B+ | A- | A- | B+ | A- | A- | 0 | | |
| UTAH | YES | YES | YES | YES | YES | YES | YES | YES | YES | 2020 | commercial building only; one- and 2- fam. on 2014 | 11.5 | A | A | A | A- | A+ | A+ | A | A | A | A | A | A | A- | A- | A | +1 | 2020 NEC as of 7/1/21 for | |
| VERMONT | NO | YES | YES | YES | YES | YES | YES | YES | NO | 2020 | | 10.0 | B- | B | B+ | A- | A- | A- | A- | A- | A- | B+ | A- | A- | B+ | B+ | A- | +1 | 2020 NEC as of 4/15/22 | |
| VIRGINIA | NO | YES | YES | YES | YES | YES | YES | YES | YES | 2017 | | 10.0 | B+ | A- | A- | A- | A- | A- | A- | A- | B+ | B+ | A- | B+ | B+ | A- | +1 | 2017 NEC as of 7/1/21 | | |
| WASHINGTON | YES | YES | YES | YES | YES | YES | NO | YES | YES | 2020 | | 11.0 | A- | A | A | A- | A- | A- | A | A | A | A- | A | A | A- | A | A | 0 | | |
| WEST VIRGINIA | NO | YES | NO | YES | NO | YES | YES | YES | YES | 2020 | | 9.0 | B | B | B+ | B | B | B | B | B | B | B | B | B | B- | B | B+ | +1 | 2020 NEC as of 8/1/22 | |
| WISCONSIN | NO | YES | YES | YES | YES | YES | YES | YES | YES | 2017 | Commercial Building only; one- and two-fam. Planned for 2020 | 9.5 | C+ | B+ | A- | C | A- | A- | A- | A- | A- | B+ | A- | A- | B+ | B+ | B+ | 0 | | |
| WYOMING | YES | YES | YES | YES | YES | YES | YES | YES | YES | 2020 | | 12.0 | A | A | A+ | A+ | A+ | A+ | A+ | A+ | A+ | A | A+ | A+ | A | A+ | A+ | 0 | | |