|  | LAND USE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Length of route (feet) | 17,250 | 15,492 | 14,499 | 16,835 | 16,272 | 14,179 | 11,960 | 13,485 | 12,901 | ,171 | 194 | 3,318 | 5,809 | 15,69 | 28,62 | 3,39 | ,030 | ,873 | 4,460 | 20,560 |
| 2 | Length of route (miles) | 3.27 | 2.93 | 2.75 | 3.19 | 3.08 | 2.69 | 2.27 | 2.55 | 2.44 | 2.49 | 2.50 | 2.52 | 2.99 | 2.97 | 5.42 | 4.43 | 4.55 | 5.66 | 4.63 | 3.89 |
| 3 | Number of directly affected habitable structures[1] within 300 feet of route centerline | 1 | 6 | 4 | 7 | 9 | 33 | 32 | 35 | 38 | 39 | 35 | 35 | 37 | 42 | 168 | 167 | 167 | 165 | 164 | 198 |
| 4 | Number of directly affected habitable structures ${ }^{[1]}$ also within 300 feet of an existing transmission line | 0 | 0 | 0 | 0 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 161 | 161 | 161 | 161 | 161 | 37 |
| 5 | Length of route using existing transmission line ROW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12,870 | 12,870 | 12,870 | 12,870 | 12,870 | 4,554 |
| 6 | Length of route parallel to existing transmission line ROW | 0 | 0 | 0 | 0 | 202 | 202 | 202 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Length of route not utilizing/paralleling existing transmission line ROW | 17,250 | 15,492 | 14,499 | 16,835 | 16,070 | 13,977 | 11,758 | 13,485 | 12,901 | 13,171 | 13,194 | 13,318 | 15,809 | 15,692 | 15,759 | 10,526 | 11,160 | 17,003 | 11,590 | 16,00 |
| 8 | Length of new ROW required for route | 17,250 | 15,492 | 14,499 | 16,835 | 16,272 | 14,179 | 11,960 | 13,485 | 12,901 | 13,171 | 13,194 | 13,318 | 15,809 | 15,692 | 15,759 | 10,526 | 11,160 | 17,003 | 11,590 | 16,006 |
| 9 | Length of route parallel to apparent property lines (or other natural or cultural features)[2] | 4,107 | 2,552 | 2,677 | 4,209 | 393 | 3,784 | 1,563 | 1,840 | 1,781 | 3,546 | 1,781 | 1,781 | 4,569 | 3,866 | 8,615 | 4,076 | 3,713 | 5,847 | 3,262 | 747 |
| 10 | Length of route parallel to other existing ROW (roadways, railways, canals, etc.) | 1,253 | 2,023 | 1,751 | 2,085 | 5,826 | 2,155 | 2,155 | 1,814 | 0 | 3,023 | 1,721 | 1,120 | 0 | 5,605 | 0 | 1,120 | 1,120 | 1,538 | 1,120 | 10,455 |
| 11 | Length of route not parallel to railroad ROW, apparent property lines, or other existing ROW (roadways, railways, etc.) | 11,890 | 10,917 | 10,071 | 10,541 | 10,054 | 8,240 | 8,242 | 9,831 | 11,119 | 6,603 | 9,691 | 10,418 | 11,240 | 6,221 | 20,014 | 18,200 | 19,198 | 22,488 | 20,078 | 9,358 |
| 12 | Percent of route parallel with apparent features (existing ROWs or property lines) | 39\% | 57\% | 59\% | 60\% | 55\% | 80\% | 77\% | 63\% | 28\% | 53\% | 55\% | 35\% | 40\% | 63\% | 75\% | 77\% | 74\% | 68\% | 71\% | 78\% |
| 13 | Length of route across parks/recreational areas[3] | 0 | 0 | 0 | 0 | 315 | 315 | 315 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | Number of additional parks/recreational areas[3] within 1,000 feet of route centerline | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | Length of route across agricultural land/cropland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | Length of route across pastureland | 7,822 | 5,033 | 3,524 | 7,072 | 8,343 | 7,282 | 5,498 | 5,562 | 6,273 | 7,710 | 4,749 | 5,364 | 8,172 | 6,777 | 12,781 | 9,204 | 8,016 | 1,906 | ,627 | 0,311 |
| 17 | Length of route across mobile irrigated cropland or pastureland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | Length of route parallel to existing pipeline ROW | 1,379 | 4,192 | 4,192 | 3,739 | 2,754 | 5,445 | 5,445 | 4,904 | 1,811 | 372 | 3,689 | 1,799 | 1,811 | 372 | 12,870 | 12,870 | 12,870 | 2,870 | 2,870 | 4,926 |
| 19 | Number of pipeline crossings | 30 | 23 | 23 | 22 | 31 | 36 | 34 | 26 | 26 | 26 | 26 | 28 | 28 | 28 | 60 | 54 | 84 | 73 | 75 | 44 |
| 20 | Number of transmission line crossings | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 4 |  | 4 | 4 |
| 21 | Number of U.S. and state highway crossings | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| 22 | Number of F.M. road crossings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | Number of local road crossings | 1 | 2 | 2 | 2 | 1 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 6 | 5 | 5 | 6 | 5 | 2 |
| 24 | Number of heliports within 5,000 feet of route centerline | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 25 | Number of private airstrips within 10,000 feet of route centerline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | Number of FAA-listed airports[4] within 10,000 feet of route centerline having no runway more than 3,200 feet | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | Number of FAA-listed airports[4] within 20,000 feet of route centerline having at least one runway more than 3,200 feet | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| 28 | Number of commercial AM radio transmitters within 10,000 feet of route centerline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | Number of FM radio transmitters, microwave relay stations, and other electronic installations etc. within 2,000 feet of route centerline | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 2 |
| 30 | Number of water wells within the ROW | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | Number of oil and gas wells within the ROW | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | AESTHETICS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 32 | Estimated length of route within foreground visual zone[5] of U.S. and state highways | 13,934 | 10,782 | 9,789 | 8,033 | 15,598 | 8,624 | 6,299 | 7,382 | 7,240 | 7,002 | 7,002 | 6,542 | 10,254 | 9,950 | 17,283 | 15,675 | 15,675 | 17,178 | 15,570 | 14,082 |
| 33 | Estimated length of route within foreground visual zone[5] of FM and county roads | 6,136 | 6,771 | 6,054 | 8,356 | 3,644 | 10,651 | 8,432 | 8,874 | 9,708 | 9,979 | 10,002 | 10,126 | 12,388 | 12,271 | 24,017 | 18,784 | 19,418 | 25,263 | 19,848 | 15,948 |
| 34 | Estimated length of route within foreground visual zone[5][6] of park and recreational areas[3] | 6,089 | 6,008 | 6,008 | 6,008 | 5,046 | 4,519 | 4,519 | 5,602 | 4,499 | 3,836 | 3,836 | 3,836 | 3,183 | 2,520 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | ECOLOGY |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35 | Length of route across upland woodlands | 6,980 | 7,428 | 7,964 | 6,862 | 6,115 | 5,259 | 4,931 | 4,572 | 3,098 | 1,843 | 4,837 | 4,102 | 4,676 | 4,824 | 3,360 | 1,923 | 3,256 | 3,510 | 4,476 | 3,870 |
| 36 | Length of route across bottomland/riparian woodlands | 1,157 | 1,157 | 1,157 | 1,157 | 77 | 0 | 0 | 83 | 83 | 179 | 179 | 179 | 90 | 90 | 207 | 207 | 207 | 1,087 | 1,087 | 109 |
| 37 | Length of route across Coastal Management Zone | 9,572 | 7,268 | 6,551 | 9,199 | 8,563 | 10,564 | 8,345 | 11,872 | 12,818 | 13,088 | 13,111 | 13,235 | 15,809 | 15,962 | 28,629 | 23,396 | 24,030 | 29,873 | 24,460 | 20,560 |
| 38 | Length of route across National Wetland Inventory mapped wetlands | 154 | 845 | 845 | 622 | 0 | 0 | 0 | 0 | 244 | 232 | 232 | 459 | 244 | 223 | 241 | 241 | 241 | 771 | 771 | 566 |
| 39 | Length of route across critical habitat of federally listed threatened or endangered species | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 | Length of route across open water (lakes or ponds) | 86 | 259 | 245 | 136 | 93 | 99 | 15 | 26 | 26 | 11 | 26 | 11 | 118 | 103 | 98 | 14 | 14 | 116 | 63 | 98 |
| 41 | Number of stream and canal crossings | 5 | 6 | 6 | 6 |  | 5 | 5 | 4 | 8 | 4 | 4 | 5 | 8 | 4 |  | 6 | 6 | 9 | 7 | 5 |
| 42 | Length of route parallel to streams within 100 feet of route centerline | 1,832 | 1,164 | 1,164 | 1,035 | 797 | 3,416 | 1,298 | 0 | 1,298 | 0 | 0 | 0 | 4,267 | 129 | 5,733 | 0 | 0 | 2,118 | 0 | 129 |
| 43 | Length of route across 100-year floodplains | 1,228 | 1,228 | 1,228 | 1,228 | 83 | 0 | 0 | 75 | 75 | 75 | 75 | 75 | 101 | 101 | 3,800 | 3,800 | 3,800 | 5,484 | 5,484 | 2,955 |
|  | CULTURAL RESOURCES |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 44 | Number of cemeteries within 1,000 feet of the route centerline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | Number of recorded historical and archeological sites crossed within ROW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 0 |
| 46 | Number of additional recorded historical and archeological sites within 1,000 feet of route centerline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 0 |
| 47 | Number of National Register of Historic Places listed or determined-eligible properties within ROW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 | Number of additional National of Register Historic Places listed or determined-eligible properties within 1,000 feet of route centerline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 | Length of route across areas of high archeological/historic site potential | 1,073 | 1,073 | 1,073 | 1,073 | 24 | 24 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,503 | 7,503 | 7,503 | 9,215 | 9,215 | 3,869 |

[1] Single-family and multi-family dwellings and related structures, mobile homes, apartment buildings, co
humans on a regular basis within 300 feet of the centerline of a transmission line project 230 - kV or les
${ }^{2]}$ Apparent property boundaries created by existing roads, highway, or railroad ROW are not "double counted" in the length of ROW parallel to apparent property boundaries criteria. Property boundary information was provided by CenterPoint Energy.
[3] Defined as parks and recreational areas owned by a governmental body or an organized group, club, or church.
${ }^{[4]}$ As listed in the Southwest Region Airport Directory (FAA, 2022).
5] One-half mile, unobstructed. Lengths of ROW within the visual foreground zone of Interstates, US and state highway criteria are not "double-counted" in the length of ROW within the visual foreground zone of FM roads criteria


measured using GIS software.

