# Monthly Cost of Basic Local Service

**(Sample of Study Areas)**

| Study Area | BCPM @ Default Input Values | HM 3.1 @ BCPM-mimicing Input Values | Dollar Difference | Percent Difference |
|---|---|---|---|---|
| CA - Pacific Bell | $28.10 | $28.24 | $0.14 | 0.5% |
| CA - GTE/Contel | $27.86 | $30.93 | $3.07 | 11.0% |
| CO - US West | $33.40 | $33.07 | -$0.33 | -1.0% |
| FL - BellSouth | $29.96 | $31.20 | $1.24 | 4.1% |
| FL - GTE | $30.16 | $32.18 | $2.02 | 6.7% |
| IN - Ameritech | $33.54 | $32.45 | -$1.09 | -3.2% |
| MD - Bell Atlantic | $30.43 | $30.32 | -$0.11 | -0.4% |
| MI - Ameritech | $31.95 | $31.09 | -$0.86 | -2.7% |
| NY - NYNEX | $26.61 | $26.17 | -$0.44 | -1.7% |
| NC - Sprint | $47.10 | $43.64 | -$3.46 | -7.3% |
| TX - Southwestern Be | $32.23 | $32.11 | -$0.12 | -0.4% |
| VT - NYNEX | $45.07 | $42.75 | -$2.32 | -5.1% |
| WA - US West | $31.04 | $30.80 | -$0.24 | -0.8% |
| WV - Bell Atlantic | $50.14 | $42.61 | -$7.53 | -15.0% |
| *Unweighted Average* | $34.11 | $33.40 | -$0.72 | -1.1% |

# PTCA

| PT - Calif. Monthly Costs | Density Zone 0-10 / 0-5 | 11-50 / 5-100 | 51-150 / 100-200 | 151-500 / 200-650 | 650-850 | 501-2000 / 850-2550 | 2001-5000 / 2550-5000 | 5001+ / 5000-10000 | >10000 | Totals / Totals |
|---|---|---|---|---|---|---|---|---|---|---|
| Default BCPM | $ 132.36 | $ 69.84 | $ 45.33 | $33.42 | | $27.71 | $ 25.40 | $22.44 | | $28.10 |
| HM3 @ BCPM | $ 85.07 | $ 50.83 | $ 40.69 | $ 35.77 | $ 33.35 | $ 29.63 | $ 28.12 | $ 26.12 | $ 22.38 | $ 28.24 |
| $ Diff: HM - BCPM | $ (47.29) | $ (19.02) | $ (4.64) | $ 2.35 | $ (0.07) | $ 1.92 | $ 2.71 | $ 3.68 | $ (0.06) | $ 0.15 |
| % Change: HM vs BCPM | -35.73% | -27.23% | -10.23% | 7.04% | -0.22% | 6.91% | 10.68% | 16.38% | -0.27% | 0.52% |

| INVESTMENT per LINE | BCPM | HM @BCPM | $ Diff HM - BCPM | % Change HM vs BCPM |
|---|---|---|---|---|
| Total Loop | $ 686.30 | $ 810.13 | $ 123.83 | 18.04% |
| EO Switch | $ 226.75 | $ 294.47 | $ 67.72 | 29.87% |
| IO Facilities | $ 6.80 | $ 7.42 | $ 0.61 | 9.02% |
| Other | $ 68.69 | $ 68.22 | $ (0.47) | -0.69% |
| Total | $ 988.55 | $ 1,132.97 | $ 144.43 | 14.61% |

# GTCA

| GTE - Calif. Monthly Costs | Density Zone 0-10 / 0-5 | 11-50 / 5-100 | 51-150 / 100-200 | 151-500 / 200-650 | 650-850 | 501-2000 / 850-2550 | 2001-5000 / 2550-5000 | 5001+ / 5000-10000 | >10000 | Totals / Totals |
|---|---|---|---|---|---|---|---|---|---|---|
| Default BCPM | $ 121.79 | $ 64.70 | $ 42.49 | $33.21 | | $27.92 | $ 25.28 | $22.53 | | $27.86 |
| HM3 @ BCPM | $ 100.19 | $ 54.04 | $ 42.84 | $ 36.85 | $ 34.76 | $ 29.97 | $ 28.34 | $ 26.23 | $ 23.19 | $ 30.93 |
| $ Diff: HM - BCPM | $ (21.60) | $ (10.67) | $ 0.34 | $ 3.64 | $ 1.55 | $ 2.05 | $ 3.06 | $ 3.70 | $ 0.66 | $ 3.08 |
| % Change: HM vs BCPM | -17.74% | -16.49% | 0.81% | 10.97% | 4.67% | 7.35% | 12.11% | 16.43% | 2.95% | 11.04% |

| INVESTMENT per LINE | BCPM | HM @BCPM | $ Diff HM - BCPM | % Change HM vs BCPM |
|---|---|---|---|---|
| Total Loop | $ 674.40 | $ 1,007.43 | $ 333.04 | 49.38% |
| EO Switch | $ 226.86 | $ 15.92 | $ (210.94) | -92.98% |
| IO Facilities | $ 6.81 | $ 0.46 | $ (6.35) | -93.28% |
| Other | $ 68.08 | $ 61.56 | $ (6.51) | -9.57% |
| Total | $ 976.14 | $ 1,084.69 | $ 108.55 | 11.12% |

# USWCO

| USW - Colo. Monthly Costs | Density Zone 0-10 / 0-5 | 11-50 / 5-100 | 51-150 / 100-200 | 151-500 / 200-650 | 650-850 | 501-2000 / 850-2550 | 2001-5000 / 2550-5000 | 5001+ / 5000-10000 | >10000 | Totals / Totals |
|---|---|---|---|---|---|---|---|---|---|---|
| Default BCPM | $ 144.05 | $ 70.18 | $ 47.49 | $34.46 | | $29.00 | $ 26.87 | $22.57 | | $33.40 |
| HM3 @ BCPM | $ 89.31 | $ 53.64 | $ 44.76 | $ 36.97 | $ 34.19 | $ 30.91 | $ 29.74 | $ 26.52 | $ 22.63 | $ 33.07 |
| $ Diff: HM - BCPM | $ (54.74) | $ (16.54) | $ (2.73) | $ 2.51 | $ (0.27) | $ 1.91 | $ 2.87 | $ 3.95 | $ 0.07 | $ (0.32) |
| % Change: HM vs BCPM | -38.00% | -23.57% | -5.76% | 7.27% | -0.79% | 6.59% | 10.69% | 17.51% | 0.30% | -0.97% |

| INVESTMENT per LINE | BCPM | HM @BCPM | $ Diff HM - BCPM | % Change HM vs BCPM |
|---|---|---|---|---|
| Total Loop | $ 987.68 | $ 1,056.79 | $ 69.11 | 7.00% |
| EO Switch | $ 231.94 | $ 321.12 | $ 89.18 | 38.45% |
| IO Facilities | $ 6.96 | $ 7.62 | $ 0.66 | 9.53% |
| Other | $ 85.41 | $ 174.03 | $ 88.62 | 103.75% |
| Total | $ 1,311.99 | $ 1,492.50 | $ 180.51 | 13.76% |

# BSFL

| BellSouth - FL Monthly Costs | Density Zone 0-10 / 0-5 | 11-50 / 5-100 | 51-150 / 100-200 | 151-500 / 200-650 | 650-850 | 501-2000 / 850-2550 | 2001-5000 / 2550-5000 | 5001+ / 5000-10000 | >10000 | Totals / Totals |
|---|---|---|---|---|---|---|---|---|---|---|
| Default BCPM | $ 122.34 | $ 63.02 | $ 46.02 | $34.24 | | $28.68 | $ 26.27 | $24.12 | | $29.96 |
| HM3 @ BCPM | $ 72.44 | $ 50.70 | $ 40.18 | $ 36.23 | $ 34.52 | $ 30.39 | $ 28.16 | $ 25.68 | $ 22.39 | $ 31.20 |
| $ Diff: HM - BCPM | $ (49.90) | $ (12.32) | $ (5.84) | $ 1.99 | $ 0.28 | $ 1.71 | $ 1.88 | $ 1.56 | $ (1.74) | $ 1.24 |
| % Change: HM vs BCPM | -40.79% | -19.55% | -12.68% | 5.82% | 0.82% | 5.95% | 7.16% | 6.46% | -7.21% | 4.13% |

| INVESTMENT per LINE | BCPM | HM @BCPM | $ Diff HM - BCPM | % Change HM vs BCPM |
|---|---|---|---|---|
| Total Loop | $ 793.09 | $ 992.96 | $ 199.87 | 25.20% |
| EO Switch | $ 226.04 | $ 265.81 | $ 39.78 | 17.60% |
| IO Facilities | $ 6.78 | $ 7.41 | $ 0.63 | 9.28% |
| Other | $ 74.25 | $ 58.73 | $ (15.51) | -20.90% |
| Total | $ 1,100.15 | $ 1,306.12 | $ 205.97 | 18.72% |

# GTFL

| GTE - FL<br>Monthly Costs | Density Zone<br>0-10<br>0-5 | 11-50<br>5-100 | 51-150<br>100-200 | 151-500<br>200-650 | 650-850 | 501-2000<br>850-2550 | 2001-5000<br>2550-5000 | 5001+<br>5000-10000 | >10000 | Totals<br>Totals |
|---|---|---|---|---|---|---|---|---|---|---|
| Default BCPM | $ 109.22 | $ 59.43 | $ 44.37 | $34.36 | | $28.51 | $ 26.40 | $22.53 | | $30.16 |
| HM3 @ BCPM | $ 75.95 | $ 49.80 | $ 39.46 | $ 37.31 | $ 36.99 | $ 30.22 | $ 28.46 | $ 24.77 | $ 21.17 | $ 32.18 |
| $ Diff: HM - BCPM | $ (33.27) | $ (9.62) | $ (4.92) | $ 2.94 | $ 2.63 | $ 1.71 | $ 2.05 | $ 2.24 | $ (1.36) | $ 2.03 |
| % Change: HM vs BCPM | -30.46% | -16.19% | -11.08% | 8.57% | 7.64% | 6.01% | 7.77% | 9.96% | -6.04% | 6.72% |

| INVESTMENT per LINE | BCPM | HM @BCPM | $ Diff<br>HM - BCPM | % Change<br>HM vs BCPM |
|---|---|---|---|---|
| Total Loop | $ 802.28 | $ 1,059.31 | $ 257.03 | 32.04% |
| EO Switch | $ 227.24 | $ 271.59 | $ 44.35 | 19.52% |
| IO Facilities | $ 6.82 | $ 7.47 | $ 0.65 | 9.51% |
| Other | $ 74.90 | $ 63.96 | $ (10.94) | -14.61% |
| Total | $ 1,111.24 | $ 1,379.58 | $ 268.34 | 24.15% |

# AMIN

| AMERITECH - IN<br>Monthly Costs | Density Zone<br>0-10<br>0-5 | 11-50<br>5-100 | 51-150<br>100-200 | 151-500<br>200-650 | 650-850 | 501-2000<br>850-2550 | 2001-5000<br>2550-5000 | 5001+<br>5000-10000 | >10000 | Totals<br>Totals |
|---|---|---|---|---|---|---|---|---|---|---|
| Default BCPM | $ 129.74 | $ 72.40 | $ 47.46 | $35.76 | | $28.89 | $ 26.13 | $22.05 | | $33.54 |
| HM3 @ BCPM | $ 70.97 | $ 49.89 | $ 41.58 | $ 37.01 | $ 33.64 | $ 29.96 | $ 28.06 | $ 25.17 | $ 21.04 | $ 32.45 |
| $ Diff: HM - BCPM | $ (58.77) | $ (22.51) | $ (5.87) | $ 1.25 | $ (2.13) | $ 1.07 | $ 1.93 | $ 3.12 | $ (1.01) | $ (1.09) |
| % Change: HM vs BCPM | -45.30% | -31.10% | -12.38% | 3.50% | -5.95% | 3.70% | 7.38% | 14.15% | -4.59% | -3.25% |

| INVESTMENT per LINE | BCPM | HM @BCPM | $ Diff<br>HM - BCPM | % Change<br>HM vs BCPM |
|---|---|---|---|---|
| Total Loop | $ 992.73 | $ 1,002.77 | $ 10.04 | 1.01% |
| EO Switch | $ 234.02 | $ 305.11 | $ 71.08 | 30.37% |
| IO Facilities | $ 7.02 | $ 7.66 | $ 0.64 | 9.13% |
| Other | $ 85.97 | $ 71.92 | $ (14.05) | -16.34% |
| Total | $ 1,319.74 | $ 1,337.73 | $ 17.99 | 1.36% |

# BAMD

| BA - Maryland<br>Monthly Costs | Density Zone<br>0-10<br>0-5 | 11-50<br>5-100 | 51-150<br>100-200 | 151-500<br>200-650 | 650-850 | 501-2000<br>850-2550 | 2001-5000<br>2550-5000 | 5001+<br>5000-10000 | >10000 | Totals<br>Totals |
|---|---|---|---|---|---|---|---|---|---|---|
| Default BCPM | $ 113.81 | $ 65.69 | $ 44.66 | $33.55 | | $27.76 | $ 25.14 | $22.07 | | $30.43 |
| HM3 @ BCPM | $ 65.51 | $ 47.71 | $ 39.50 | $ 35.72 | $ 32.29 | $ 28.47 | $ 26.62 | $ 24.82 | $ 21.69 | $ 30.32 |
| $ Diff: HM - BCPM | $ (48.30) | $ (17.98) | $ (5.16) | $ 2.17 | $ (1.26) | $ 0.71 | $ 1.48 | $ 2.74 | $ (0.39) | $ (0.11) |
| % Change: HM vs BCPM | -42.44% | -27.38% | -11.55% | 6.46% | -3.75% | 2.56% | 5.90% | 12.42% | -1.75% | -0.37% |

| INVESTMENT per LINE | BCPM | HM @BCPM | $ Diff<br>HM - BCPM | % Change<br>HM vs BCPM |
|---|---|---|---|---|
| Total Loop | $ 815.50 | $ 924.31 | $ 108.81 | 13.34% |
| EO Switch | $ 230.70 | $ 265.73 | $ 35.03 | 15.18% |
| IO Facilities | $ 6.92 | $ 7.58 | $ 0.66 | 9.49% |
| Other | $ 76.10 | $ 76.40 | $ 0.30 | 0.39% |
| Total | $ 1,129.22 | $ 1,260.87 | $ 131.65 | 11.66% |

# AMMI

| AMERITECH - MI<br>Monthly Costs | Density Zone<br>0-10<br>0-5 | 11-50<br>5-100 | 51-150<br>100-200 | 151-500<br>200-650 | 650-850 | 501-2000<br>850-2550 | 2001-5000<br>2550-5000 | 5001+<br>5000-10000 | >10000 | Totals<br>Totals |
|---|---|---|---|---|---|---|---|---|---|---|
| Default BCPM | $ 115.98 | $ 66.30 | $ 44.89 | $33.46 | | $ 28.33 | $ 26.50 | $22.13 | | $31.95 |
| HM3 @ BCPM | $ 75.37 | $ 45.76 | $ 37.49 | $ 34.74 | $ 32.12 | $ 28.80 | $ 28.17 | $ 25.64 | $ 20.65 | $ 31.09 |
| $ Diff: HM - BCPM | $ (40.60) | $ (20.54) | $ (7.40) | $ 1.28 | $ (1.34) | $ 0.47 | $ 1.67 | $ 3.50 | $ (1.48) | $ (0.86) |
| % Change: HM vs BCPM | -35.01% | -30.98% | -16.49% | 3.82% | -4.00% | 1.66% | 6.31% | 15.83% | -6.69% | -2.68% |

| INVESTMENT per LINE | BCPM | HM @BCPM | $ Diff<br>HM - BCPM | % Change<br>HM vs BCPM |
|---|---|---|---|---|
| Total Loop | $ 900.94 | $ 976.01 | $ 75.07 | 8.33% |
| EO Switch | $ 231.29 | $ 287.73 | $ 56.44 | 24.40% |
| IO Facilities | $ 6.94 | $ 7.60 | $ 0.66 | 9.56% |
| Other | $ 80.72 | $ 48.92 | $ (31.80) | -39.40% |
| Total | $ 1,219.89 | $ 1,285.93 | $ 66.05 | 5.41% |

# NYNY

| NYNEX - NY<br>Monthly Costs | Density Zone<br>0-10<br>0-5 | 11-50<br>5-100 | 51-150<br>100-200 | 151-500<br>200-650 | 650-850 | 501-2000<br>850-2550 | 2001-5000<br>2550-5000 | 5001+<br>5000-10000 | >10000 | Totals<br>Totals |
|---|---|---|---|---|---|---|---|---|---|---|
| Default BCPM | $ 116.90 | $ 68.51 | $ 45.28 | $33.02 | | $27.70 | $ 24.82 | $20.78 | | $26.61 |
| HM3 @ BCPM | $ 85.34 | $ 47.99 | $ 39.10 | $ 35.06 | $ 32.16 | $ 28.70 | $ 27.25 | $ 25.48 | $ 20.01 | $ 26.17 |
| $ Diff: HM - BCPM | $ (31.56) | $ (20.53) | $ (6.19) | $ 2.04 | $ (0.87) | $ 1.00 | $ 2.42 | $ 4.70 | $ (0.77) | $ (0.45) |
| % Change: HM vs BCPM | -27.00% | -29.96% | -13.66% | 6.18% | -2.62% | 3.61% | 9.77% | 22.63% | -3.72% | -1.68% |

| INVESTMENT per LINE | BCPM | HM @BCPM | $ Diff<br>HM - BCPM | % Change<br>HM vs BCPM |
|---|---|---|---|---|
| Total Loop | $ 600.27 | $ 673.69 | $ 73.42 | 12.23% |
| EO Switch | $ 228.10 | $ 265.73 | $ 37.63 | 16.50% |
| IO Facilities | $ 6.84 | $ 7.49 | $ 0.64 | 9.40% |
| Other | $ 64.33 | $ 46.79 | $ (17.54) | -27.27% |
| Total | $ 899.54 | $ 977.51 | $ 77.96 | 8.67% |

# SPNC

| Sprint - NC<br>Monthly Costs | Density Zone<br>0-10<br>0-5 | 11-50<br>5-100 | 51-150<br>100-200 | 151-500<br>200-650 | 650-850 | 501-2000<br>850-2550 | 2001-5000<br>2550-5000 | 5001+<br>5000-10000 | >10000 | Totals<br>Totals |
|---|---|---|---|---|---|---|---|---|---|---|
| Default BCPM | $ 131.49 | $ 70.60 | $ 50.23 | $36.13 | | $28.75 | $ 22.96 | $22.35 | | $47.10 |
| HM3 @ BCPM | $ 73.51 | $ 55.72 | $ 44.59 | $ 36.75 | $ 33.33 | $ 29.99 | $ 26.21 | $ 23.33 | $ 20.33 | $ 43.64 |
| $ Diff: HM - BCPM | $ (57.98) | $ (14.87) | $ (5.64) | $ 0.63 | $ (2.80) | $ 1.23 | $ 3.25 | $ 0.98 | $ (2.03) | $ (3.47) |
| % Change: HM vs BCPM | -44.10% | -21.07% | -11.22% | 1.74% | -7.75% | 4.29% | 14.15% | 4.37% | -9.08% | -7.36% |

| INVESTMENT per LINE | BCPM | HM @BCPM | $ Diff<br>HM - BCPM | % Change<br>HM vs BCPM |
|---|---|---|---|---|
| Total Loop | $ 1,763.01 | $ 1,689.63 | $ (73.38) | -4.16% |
| EO Switch | $ 244.85 | $ 299.25 | $ 54.40 | 22.22% |
| IO Facilities | $ 7.35 | $ 8.14 | $ 0.79 | 10.77% |
| Other | $ 128.31 | $ 98.73 | $ (29.58) | -23.06% |
| Total | $ 2,143.52 | $ 2,067.71 | $ (75.81) | -3.54% |

# SWTX

| SWB - Texas<br>Monthly Costs | Density Zone<br>0-10<br>0-5 | 11-50<br>5-100 | 51-150<br>100-200 | 151-500<br>200-650 | 650-850 | 501-2000<br>850-2550 | 2001-5000<br>2550-5000 | 5001+<br>5000-10000 | >10000 | Totals<br>Totals |
|---|---|---|---|---|---|---|---|---|---|---|
| Default BCPM | $ 147.50 | $ 70.79 | $ 46.28 | $34.08 | | $28.89 | $ 26.66 | $23.80 | | $32.23 |
| HM3 @ BCPM | $ 86.11 | $ 52.72 | $ 40.90 | $ 35.85 | $ 33.99 | $ 29.80 | $ 28.39 | $ 25.50 | $ 22.26 | $ 32.11 |
| $ Diff: HM - BCPM | $ (61.39) | $ (18.06) | $ (5.37) | $ 1.77 | $ (0.09) | $ 0.92 | $ 1.74 | $ 1.70 | $ (1.54) | $ (0.12) |
| % Change: HM vs BCPM | -41.62% | -25.52% | -11.61% | 5.21% | -0.27% | 3.18% | 6.52% | 7.13% | -6.48% | -0.38% |

| INVESTMENT per LINE | BCPM | HM @BCPM | $ Diff<br>HM - BCPM | % Change<br>HM vs BCPM |
|---|---|---|---|---|
| Total Loop | $ 918.56 | $ 974.63 | $ 56.07 | 6.10% |
| EO Switch | $ 230.92 | $ 294.04 | $ 63.12 | 27.34% |
| IO Facilities | $ 6.93 | $ 7.56 | $ 0.63 | 9.08% |
| Other | $ 81.60 | $ 67.88 | $ (13.72) | -16.82% |
| Total | $ 1,238.00 | $ 1,301.93 | $ 63.93 | 5.16% |

# NEVT

| NYNEX - VT<br>Monthly Costs | 0-10<br>0-5 | 11-50<br>5-100 | 51-150<br>100-200 | 151-500<br>200-650 | 650-850 | 501-2000<br>850-2550 | 2001-5000<br>2550-5000 | 5001+<br>5000-10000 | >10000 | Totals<br>Totals |
|---|---|---|---|---|---|---|---|---|---|---|
| Default BCPM | $ 140.70 | $ 69.05 | $ 50.89 | $34.04 | | $26.56 | $ 22.37 | $20.00 | | $45.07 |
| HM3 @ BCPM | $ 92.23 | $ 56.94 | $ 43.24 | $ 35.78 | $ 33.12 | $ 29.14 | $ 25.48 | $ 23.45 | $ 20.39 | $ 42.75 |
| $ Diff: HM - BCPM | $ (48.47) | $ (12.11) | $ (7.65) | $ 1.74 | $ (0.92) | $ 2.59 | $ 3.11 | $ 3.44 | $ 0.39 | $ (2.32) |
| % Change: HM vs BCPM | -34.45% | -17.54% | -15.03% | 5.11% | -2.70% | 9.74% | 13.91% | 17.22% | 1.93% | -5.15% |

| INVESTMENT per LINE | BCPM | HM @BCPM | $ Diff<br>HM - BCPM | % Change<br>HM vs BCPM |
|---|---|---|---|---|
| Total Loop | $ 1,622.71 | $ 1,569.80 | $ (52.91) | -3.26% |
| EO Switch | $ 266.54 | $ 292.88 | $ 26.34 | 9.88% |
| IO Facilities | $ 8.00 | $ 8.79 | $ 0.79 | 9.88% |
| Other | $ 123.97 | $ 52.42 | $ (71.55) | -57.71% |
| Total | $ 2,021.22 | $ 1,923.89 | $ (97.33) | -4.82% |

# USWWA

| USW - Washington<br>Monthly Costs | Density Zone<br>0-10<br>0-5 | 11-50<br>5-100 | 51-150<br>100-200 | 151-500<br>200-650 | 650-850 | 501-2000<br>850-2550 | 2001-5000<br>2550-5000 | 5001+<br>5000-10000 | >10000 | Totals<br>Totals |
|---|---|---|---|---|---|---|---|---|---|---|
| Default BCPM | $ 172.75 | $ 74.83 | $ 47.27 | $35.12 | | $29.20 | $ 26.00 | $21.69 | | $31.04 |
| HM3 @ BCPM | $ 83.59 | $ 49.74 | $ 38.91 | $ 34.92 | $ 32.99 | $ 29.36 | $ 27.74 | $ 25.17 | $ 20.22 | $ 30.80 |
| $ Diff: HM - BCPM | $ (89.16) | $ (25.09) | $ (8.35) | $ (0.20) | $ (2.13) | $ 0.16 | $ 1.74 | $ 3.48 | $ (1.47) | $ (0.25) |
| % Change: HM vs BCPM | -51.61% | -33.53% | -17.67% | -0.56% | -6.07% | 0.56% | 6.71% | 16.04% | -6.79% | -0.80% |

| INVESTMENT per LINE | BCPM | HM @BCPM | $ Diff<br>HM - BCPM | % Change<br>HM vs BCPM |
|---|---|---|---|---|
| Total Loop | $ 855.28 | $ 933.23 | $ 77.95 | 9.11% |
| EO Switch | $ 228.62 | $ 283.42 | $ 54.80 | 23.97% |
| IO Facilities | $ 6.86 | $ 7.49 | $ 0.63 | 9.26% |
| Other | $ 77.91 | $ 72.77 | $ (5.14) | -6.60% |
| Total | $ 1,168.68 | $ 1,263.28 | $ 94.60 | 8.09% |

# BAWV

| BA - West Virginia<br>Monthly Costs | Density Zone<br>0-10<br>0-5 | 11-50<br>5-100 | 51-150<br>100-200 | 151-500<br>200-650 | 650-850 | 501-2000<br>850-2550 | 2001-5000<br>2550-5000 | 5001+<br>5000-10000 | >10000 | Totals<br>Totals |
|---|---|---|---|---|---|---|---|---|---|---|
| Default BCPM | $ 123.52 | $ 89.27 | $ 59.50 | $40.65 | | $29.89 | $ 24.55 | $21.40 | | $50.14 |
| HM3 @ BCPM | $ 82.72 | $ 57.56 | $ 45.28 | $ 38.21 | $ 33.15 | $ 29.67 | $ 27.45 | $ 25.07 | $ 20.75 | $ 42.61 |
| $ Diff: HM - BCPM | $ (40.80) | $ (31.72) | $ (14.21) | $ (2.44) | $ (7.50) | $ (0.22) | $ 2.90 | $ 3.66 | $ (0.66) | $ (7.53) |
| % Change: HM vs BCPM | -33.03% | -35.53% | -23.89% | -6.00% | -18.45% | -0.72% | 11.81% | 17.12% | -3.06% | -15.02% |

| INVESTMENT per LINE | BCPM | HM @BCPM | $ Diff<br>HM - BCPM | % Change<br>HM vs BCPM |
|---|---|---|---|---|
| Total Loop | $ 1,944.73 | $ 1,580.63 | $ (364.11) | -18.72% |
| EO Switch | $ 250.53 | $ 288.50 | $ 37.97 | 15.16% |
| IO Facilities | $ 7.52 | $ 8.35 | $ 0.83 | 11.06% |
| Other | $ 138.75 | $ 105.56 | $ (33.19) | -23.92% |
| Total | $ 2,341.53 | $ 1,972.76 | $ (368.77) | -15.75% |

| | A | B | C | D | E |
|---|---|---|---|---|---|
| 1 | ALTERATIONS TO HM 3.1 DEFAULT INPUT VALUES NEEDED TO MIMIC BCPM v1.1 | | | | |
| 2 | Preliminary Analysis - 3/27/97 | | | | |
| 3 | | | | | |
| 4 | HM2.2.2 Input Name | HM3 Input Name | HM3 Values | BCPM-Mimicing Values | Logic Source for BCPM-Mimicing Value |
| 5 | | | | | |
| 6 | **Cost of Capital Factors** | | | | |
| 7 | ***Depreciation Lives*** | | | | |
| 8 | Loop Distribution | Aerial cable, metallic | 16.80 | 10.93 | Direct insert from BCPM |
| 9 | Loop Feeder | Aerial cable, non-metallic | 22.11 | 15.89 | Direct insert from BCPM |
| 10 | Loop Concentrator | Underground cable, metallic | 21.17 | 11.01 | Direct insert from BCPM |
| 11 | Wire Center | Underground cable, non-metallic | 22.87 | 16.57 | Direct insert from BCPM |
| 12 | End Office Switching | Buried cable, metallic | 19.86 | 13.57 | Direct insert from BCPM |
| 13 | Tandem Switching | Buried cable, non-metallic | 24.13 | 17.21 | Direct insert from BCPM |
| 14 | Transport Facilities | Intrabuilding cable, metallic | 15.64 | 10.93 | BCPM aerial equivalent |
| 15 | Operator Systems | Intrabuilding cable, non-metallic | 23.65 | 15.89 | BCPM aerial equivalent |
| 16 | STP | NID, SAI | calculated | | |
| 17 | SCP | Conduit systems | 51.35 | 43.97 | Direct insert from BCPM |
| 18 | Links | Poles | 16.13 | 14.71 | Direct insert from BCPM |
| 19 | Public Telephones | Buildings | 48.99 | 39.97 | Direct insert from BCPM |
| 20 | General Support | Digital Electronic Switching | 16.54 | 10.49 | Direct insert from BCPM |
| 21 | | Digital Circuit Equipment | 10.09 | 8.67 | Direct insert from BCPM |
| 22 | | Operator Systems | 9.94 | | |
| 23 | | Public telephone term. equipment | 8.01 | | |
| 24 | | General purpose computers | 6.24 | 5.80 | Direct insert from BCPM |
| 25 | | Office support equipment | 11.25 | 11.16 | Direct insert from BCPM |
| 26 | | Company comm. equipment | 7.59 | | |
| 27 | | Furniture | 16.56 | 16.57 | Direct insert from BCPM |
| 28 | | Motor vehicles | 9.16 | 9.21 | Direct insert from BCPM |
| 29 | | Garage work equipment | 11.47 | 12.32 | Direct insert from BCPM |
| 30 | | Other work equipment | 13.22 | 14.08 | Direct insert from BCPM |
| 31 | | | | | |
| 32 | | | | | |
| 33 | ***Cost of Capital*** | | | | |
| 34 | Debt Percent | | 45.00% | 32.82% | Direct insert from BCPM |
| 35 | Cost of Debt | | 7.70% | 7.85% | Direct insert from BCPM |
| 36 | Cost of Equity | | 11.90% | 13.12% | Direct insert from BCPM |
| 37 | *Discount Rate* | Edit in Expense Module CCF sheet | 10.01% | 7.85% | Direct insert from BCPM |
| 38 | | | | | |
| 39 | **Misc Expense Factors** | | | | |
| 40 | | | | | |
| 41 | Variable Overhead Factor | | 10.40% | 0.00% | Zeroed out to permit BCPM $11.34/line entry |
| 42 | Federal Income Tax Rate | Income tax rate (federal/state) | 39.25% | 37.29% | BCPM input data adjusted to reflect incorrect BCPM tax gross-up methodology |
| 43 | Other Taxes Factor | | 5.00% | 4.58% | |
| 44 | *Billing/Bill Inquiry per line per month* | | $1.22 | $0.00 | *Zeroed out to permit BCPM $11.34/line entry* |
| 45 | Directory Listing per line per month | | $0.15 | $0.00 | Zeroed out to permit BCPM $11.34/line entry |
| 46 | Forward-Looking Network Operations Factor | | 50.00% | 0.00% | Zeroed out to permit BCPM $11.34/line entry |
| 47 | Central Office Switching Expense Factor | | 2.69% | 0.00% | Zeroed out to permit BCPM $11.34/line entry |
| 48 | End Office Traffic-Sensitive Fraction | | 70.00% | | |
| 49 | per-line Monthly LNP Cost | | $0.25 | $0.00 | Zeroed out to permit BCPM $11.34/line entry |
| 50 | alternative circuit equipment factor | | 0.0153 | 0.0000 | Zeroed out to permit BCPM $11.34/line entry |
| 51 | Carrier-carrier customer service per line per year | | $1.69 | | |
| 52 | NID expense per line per year | | $1.00 | $0.00 | Zeroed out to permit BCPM $11.34/line entry |
| 53 | Switch line circuit offset per DLC line | | $5.00 | $0.00 | Zeroed out to permit BCPM $11.34/line entry |
| 54 | | | | | |
| 55 | **Fill Factors** | | | | |
| 56 | *Copper feeder* | | | | |
| 57 | | Density zone | | | |
| 58 | | 0-5 | 0.65 | 0.75 | BCPM value for 0-10 density zone |
| 59 | | 5-100 | 0.75 | 0.80 | BCPM value for 11-50 density zone |
| 60 | | 100-200 | 0.80 | 0.85 | BCPM value for 51-150 density zone |
| 61 | | 200-650 | 0.80 | 0.85 | BCPM value for 151-500 density zone |
| 62 | | 650-850 | 0.80 | 0.85 | BCPM value for 151-500 density zone |
| 63 | | 850-2,550 | 0.80 | 0.85 | BCPM value for 501-2000 density zone |
| 64 | | 2,550-5,000 | 0.80 | 0.85 | BCPM value for 2001-5000 density zone |
| 65 | | 5,000-10,000 | 0.80 | 0.85 | BCPM value for >5000 density zone |
| 66 | | 10,000+ | 0.80 | 0.85 | BCPM value for >5000 density zone |
| 67 | *Distribution* | | | | |
| 68 | | 0-5 | 0.50 | 0.40 | BCPM value for 0-10 density zone |
| 69 | | 5-100 | 0.55 | 0.55 | BCPM value for 11-50 density zone |
| 70 | | 100-200 | 0.55 | 0.65 | BCPM value for 51-150 density zone |
| 71 | | 200-650 | 0.60 | 0.75 | BCPM value for 151-500 density zone |
| 72 | | 650-850 | 0.65 | 0.75 | BCPM value for 151-500 density zone |
| 73 | | 850-2,550 | 0.70 | 0.80 | BCPM value for 501-2000 density zone |
| 74 | | 2,550-5,000 | 0.75 | 0.80 | BCPM value for 2001-5000 density zone |
| 75 | | 5,000-10,000 | 0.75 | 0.80 | BCPM value for >5000 density zone |
| 76 | | 10,000+ | 0.75 | 0.80 | BCPM value for >5000 density zone |
| 77 | **EO Switching Parameters** | | | | |
| 78 | | | | | |
| 79 | Busy hour call attempts, residential | | 1.3 | | |
| 80 | Busy hour call attempts, business | | 3.5 | | |
| 81 | Switch Maximum Line Size | | 80,000 | | |

| | A | B | C | D | E |
|---|---|---|---|---|---|
| 4 | HM2.2.2 Input Name | HM3 Input Name | HM3 Values | BCPM-Mimicing Values | Logic Source for BCPM-Mimicing Value |
| 5 | | | | | |
| 82 | | Switch port administrative fill | 0.98 | 0.85 | Direct insert from BCPM |
| 83 | Switch Maximum Processor Occupancy | | 0.9 | | |
| 84 | Processor Feature Loading Multiplier | | 1.2-2.0 | 1.0 | BCPM assumes all lines are the same |
| 85 | | Business penetration threshold | 0.3 | | |
| 86 | Switch Installation Multiplier | | 1.1 | | |
| 87 | | | | | |
| 88 | *Switch Parameters* | | | | |
| 89 | Switch real-time limit, BHCA | | | | |
| 90 | 1 - 1,000 | | 10,000 | | |
| 91 | 1,000 - 10,000 | | 50,000 | | |
| 92 | 10,000 - 40,000 | | 200,000 | | |
| 93 | 40,000+ | | 600,000 | | |
| 94 | | | | | |
| 95 | Switch traffic limit, BHCCS | | | | |
| 96 | 1 - 1,000 | | 30,000 | | |
| 97 | 1,000 - 10,000 | | 150,000 | | |
| 98 | 10,000 - 40,000 | | 600,000 | | |
| 99 | 40,000+ | | 1,800,000 | | |
| 100 | | | | | |
| 101 | | *Constant term in switch inv. curve* | | | |
| 102 | | BOC/large ICO | $242.73 | Edit in Exp | Insert BCPM equation: $225 + $261,871/Lines |
| 103 | | Small ICO | $416.11 | Module | |
| 104 | | | | | |
| 105 | Residential Holding Time Multiplier | | 1.00 | | |
| 106 | Business Holding Time Multiplier | | 1.00 | | |
| 107 | Busy Hour fraction of daily usage | | 0.10 | | |
| 108 | Annual to daily usage reduction factor | | 270 | | |
| 109 | | | | | |
| 110 | **Interoffice and Tandem Parameters** | | | | |
| 111 | | | | | |
| 112 | Operator Traffic Fraction | | 0.02 | | |
| 113 | Total Interoffice Traffic Fraction | | 0.65 | | |
| 114 | Direct-Routed Fraction of Local Interoffice | | 0.98 | | |
| 115 | Maximum Trunk Occupancy, CCS | | 27.5 | | |
| 116 | Trunk Termination Investment, per end | | $100 | | |
| 117 | Average Trunk Usage Fraction | | 0.30 | | |
| 118 | | | | | |
| 119 | *Toll traffic inputs* | | | | |
| 120 | Tandem-routed % of total intraLATA traffic | | 0.2 | | |
| 121 | Tandem-routed % of total interLATA traffic | | 0.2 | | |
| 122 | | | | | |
| 123 | | Entrance facility distance from | | | |
| 124 | | SWC to IXC POP, miles | 0.5 | | |
| 125 | | Number of POPs per LEC tandem | 5 | | |
| 126 | *Tandem Switching parameters* | | | | |
| 127 | real time limit, BHCA | | 750,000 | | |
| 128 | port limit, trunks | | 100,000 | | |
| 129 | common equipment investment | | $1,000,000 | | |
| 130 | maximum trunk fill | | 0.90 | | |
| 131 | maximum real time occupancy | | 0.90 | | |
| 132 | common equipment intercept factor | | 0.50 | | |
| 133 | | | | | |
| 134 | **Wire Center Parameters** | | | | |
| 135 | | | | | |
| 136 | Lot size, multiplier of switch room size | | 2 | | |
| 137 | Tandem/EO wire center common factor | | 0.4 | | |
| 138 | | | | | |
| 139 | *Power and frame investment* | Power (only) investment | | | |
| 140 | 0-1,000 lines | | $5,000 | $0 | Included in BCPM switch investment figure |
| 141 | 1,000-5,000 lines | | $10,000 | $0 | Included in BCPM switch investment figure |
| 142 | 5,000-25,000 lines | | $20,000 | $0 | Included in BCPM switch investment figure |
| 143 | 25,000-50,000 lines | | $50,000 | $0 | Included in BCPM switch investment figure |
| 144 | 50000+ lines | | $250,000 | $0 | Included in BCPM switch investment figure |
| 145 | | MDF/protector investment per line | $17.50 | | |
| 146 | | | | | |
| 147 | *Switch room size* | | | | |
| 148 | 0-1,000 lines | | 500 | | |
| 149 | 1,000-5,000 lines | | 1,000 | | |
| 150 | 5,000-25,000 lines | | 2,000 | | |
| 151 | 25,000-50,000 lines | | 5,000 | | |
| 152 | 50000+ lines | | 10,000 | | |
| 153 | | | | | |
| 154 | *construction costs* | | | | |
| 155 | 0-1,000 lines | | $75 | | |
| 156 | 1,000-5,000 lines | | $85 | | |
| 157 | 5,000-25,000 lines | | $100 | | |
| 158 | 25,000-50,000 lines | | $125 | | |
| 159 | 50000+ lines | | $150 | | |
| 160 | | | | | |
| 161 | *Land price, per sq ft* | | | | |
| 162 | 0-1,000 lines | | $5.00 | | |

| | A | B | C | D | E |
|---|---|---|---|---|---|
| 4 | HM2.2.2 Input Name | HM3 Input Name | HM3 Values | BCPM-Mimicing Values | Logic Source for BCPM-Mimicing Value |
| 5 | | | | | |
| 163 | 1,000-5,000 lines | | $7.50 | | |
| 164 | 5,000-25,000 lines | | $10.00 | | |
| 165 | 25,000-50,000 lines | | $15.00 | | |
| 166 | 50000+ lines | | $20.00 | | |
| 167 | | | | | |
| 168 | | | | | |
| 169 | **ICO Surrogates** | | | | |
| 170 | Surrogate per-line investments | | | | |
| 171 | for small ICOs | Factor up later | | | |
| 172 | | STP | $5.50 | | |
| 173 | | local tandem | $1.90 | | |
| 174 | | OS tandem | $0.80 | | |
| 175 | | SCP | $2.50 | | |
| 176 | | local tdm wire center | $2.50 | | |
| 177 | | OS tdm wire center | $1.00 | | |
| 178 | | STP/SCP wire center | $0.40 | | |
| 179 | | C-link/tandem A-link | $0.30 | | |
| 180 | | | | | |
| 181 | **Distribution Structure Inputs** | | | | |
| 182 | *Aerial fraction* | *Aerial/block cable fraction* | | | |
| 183 | | 0-5 | 0.25 | 0.40 | BCPM value for 0-10 density zone |
| 184 | | 5-100 | 0.25 | 0.30 | BCPM value for 11-50 density zone |
| 185 | | 100-200 | 0.25 | 0.30 | BCPM value for 51-150 density zone |
| 186 | | 200-650 | 0.30 | 0.30 | BCPM value for 151-500 density zone |
| 187 | | 650-850 | 0.30 | 0.15 | BCPM value for 151-500 density zone |
| 188 | | 850-2,550 | 0.30 | 0.15 | BCPM value for 501-2000 density zone |
| 189 | | 2,550-5,000 | 0.30 | 0.05 | BCPM value for 2001-5000 density zone |
| 190 | | 5,000-10,000 | 0.60 | 0.00 | BCPM value for >5000 density zone |
| 191 | | 10,000+ | 0.85 | 0.00 | BCPM value for >5000 density zone |
| 192 | *Buried fraction* | | | | |
| 193 | | 0-5 | 0.75 | 0.80 | BCPM value for 0-10 density zone |
| 194 | | 5-100 | 0.75 | 0.65 | BCPM value for 11-50 density zone |
| 195 | | 100-200 | 0.75 | 0.65 | BCPM value for 51-150 density zone |
| 196 | | 200-650 | 0.70 | 0.65 | BCPM value for 151-500 density zone |
| 197 | | 650-850 | 0.70 | 0.70 | BCPM value for 151-500 density zone |
| 198 | | 850-2,550 | 0.70 | 0.70 | BCPM value for 501-2000 density zone |
| 199 | | 2,550-5,000 | 0.65 | 0.75 | BCPM value for 2001-5000 density zone |
| 200 | | 5,000-10,000 | 0.35 | 0.10 | BCPM value for >5000 density zone |
| 201 | | 10,000+ | 0.05 | 0.10 | BCPM value for >5000 density zone |
| 202 | | | | | |
| 203 | *Buried Installation/foot* | | | | |
| 204 | | 0-5 | $1.77 | $1.47 | BCPM normal buried distribution w/o sharing for dz 0-10 |
| 205 | | 5-100 | $1.77 | $1.73 | BCPM normal buried distribution w/o sharing for dz 11-50 |
| 206 | | 100-200 | $1.77 | $2.48 | BCPM normal buried distribution w/o sharing for dz 51-150 |
| 207 | | 200-650 | $1.93 | $4.36 | BCPM normal buried distribution w/o sharing for dz 151-500 |
| 208 | | 650-850 | $2.17 | $5.22 | BCPM normal buried distribution w/o sharing for dz 151-500 |
| 209 | | 850-2,550 | $3.54 | $5.22 | BCPM normal buried distribution w/o sharing for dz 501-2000 |
| 210 | | 2,550-5,000 | $4.27 | $8.23 | BCPM normal buried distribution w/o sharing for dz 2001-5000 |
| 211 | | 5,000-10,000 | $13.00 | $8.84 | BCPM normal buried distribution w/o sharing for dz >5000 |
| 212 | | 10,000+ | $45.00 | $8.84 | BCPM normal buried distribution w/o sharing for dz >5000 |
| 213 | | | | | |
| 214 | Conduit Installation, per foot | Adjusted to include BCPM manhole cost | | | |
| 215 | | 0-5 | $10.29 | $6.41 | BCPM u/g distribution normal structure costs w/o sharing for dz 0-10 modified to assume BCPM handholes |
| 216 | | 5-100 | $10.29 | $4.89 | BCPM u/g distribution normal structure costs w/o sharing for dz 11-50 modified to assume BCPM handholes |
| 217 | | 100-200 | $10.29 | $8.88 | BCPM u/g distribution normal structure costs w/o sharing for dz 51-150 modified to assume BCPM 4X manholes |
| 218 | | 200-650 | $11.35 | $9.69 | BCPM u/g distribution normal structure costs w/o sharing for dz 151-500 modified to assume BCPM 4X manholes |
| 219 | | 650-850 | $11.88 | $15.53 | BCPM u/g distribution normal structure costs w/o sharing for dz 151-500 modified to assume BCPM 9X manholes |
| 220 | | 850-2,550 | $16.40 | $15.53 | BCPM u/g distribution normal structure costs w/o sharing for dz 501-2000 modified to assume BCPM 9X manholes |
| 221 | | 2,550-5,000 | $21.60 | $18.48 | BCPM u/g distribution normal structure costs w/o sharing for dz 2001-5000 modified to assume BCPM 9X manholes |
| 222 | | 5,000-10,000 | $50.10 | $19.09 | BCPM u/g distribution normal structure costs w/o sharing for dz >5000 modified to assume BCPM 9X manholes |
| 223 | | 10,000+ | $75.00 | $19.09 | BCPM u/g distribution normal structure costs w/o sharing for dz >5000 modified to assume BCPM 9X manholes |
| 224 | | | | | |
| 225 | | | | | |
| 226 | Pole spacing, feet | 0-5 | 250 | 250 | BCPM pole spacing for density zone 0-10 |
| 227 | | 5-100 | 250 | 250 | BCPM pole spacing for density zone 11-50 |
| 228 | | 100-200 | 200 | 250 | BCPM pole spacing for density zone 51-150 |
| 229 | | 200-650 | 200 | 250 | BCPM pole spacing for density zone 151-500 |
| 230 | | 650-850 | 175 | 150 | BCPM pole spacing for density zone 151-500 |
| 231 | | 850-2,550 | 175 | 150 | BCPM pole spacing for density zone 501-2000 |
| 232 | | 2,550-5,000 | 150 | 150 | BCPM pole spacing for density zone 2001-5000 |
| 233 | | 5,000-10,000 | 150 | 150 | BCPM pole spacing for density zone >5000 |

| | A | B | C | D | E |
|---|---|---|---|---|---|
| 4 | HM2.2.2 Input Name | HM3 Input Name | HM3 Values | BCPM-Mimicing Values | Logic Source for BCPM-Mimicing Value |
| 5 | | | | | |
| 234 | | 10,000+ | 150 | 150 | BCPM pole spacing for density zone >5000 |
| 235 | | | | | |
| 236 | Pole investment | Pole materials | $201 | $436.17 | Approximate BCPM pole installation cost |
| 237 | | Pole labor | $216 | $365.95 | Approximate BCPM pole cost |
| 238 | | Pole total investment | $417 | $802.12 | Sum of pole material cost and pole labor cost |
| 239 | Conduit investment per foot | | $0.60 | $0.83 | BCPM conduit cost per duct foot |
| 240 | | Spare tubes per route | 1 | | |
| 241 | Manhole investment, per manhole | Included in conduit installation cost | (not used) | | BCPM manhole cost loaded into conduit installation cost |
| 242 | Buried cable jacketing multiplier | | 1.04 | | |
| 243 | | | | | |
| 244 | **Copper Feeder Structure Inputs** | | | | |
| 245 | | | | | |
| 246 | *Aerial Fraction* | *Aerial/block cable fraction* | | | |
| 247 | | 0-5 | 0.50 | 0.10 | BCPM value for 0-10 density zone adjusted to HM3.1 dz |
| 248 | | 5-100 | 0.50 | 0.07 | BCPM value for 11-50 density zone adjusted to HM3.1 dz |
| 249 | | 100-200 | 0.50 | 0.06 | BCPM value for 51-150 density zone adjusted to HM3.1 dz |
| 250 | | 200-650 | 0.40 | 0.05 | BCPM value for 151-500 density zone adjusted to HM3.1 dz |
| 251 | | 650-850 | 0.30 | 0.03 | BCPM value for 151-500 density zone adjusted to HM3.1 dz |
| 252 | | 850-2,550 | 0.20 | 0.03 | BCPM value for 501-2000 density zone adjusted to HM3.1 dz |
| 253 | | 2,550-5,000 | 0.15 | 0.00 | BCPM value for 2001-5000 density zone adjusted to HM3.1 dz |
| 254 | | 5,000-10,000 | 0.10 | 0.00 | BCPM value for >5000 density zone adjusted to HM3.1 dz |
| 255 | | 10,000+ | 0.05 | 0.00 | BCPM value for >5000 density zone adjusted to HM3.1 dz |
| 256 | | | | | |
| 257 | *Buried Fraction* | | | | |
| 258 | | 0-5 | 0.45 | 0.80 | BCPM value for 0-10 density zone adjusted to HM3.1 dz |
| 259 | | 5-100 | 0.45 | 0.08 | BCPM value for 11-50 density zone adjusted to HM3.1 dz |
| 260 | | 100-200 | 0.45 | 0.07 | BCPM value for 51-150 density zone adjusted to HM3.1 dz |
| 261 | | 200-650 | 0.40 | 0.70 | BCPM value for 151-500 density zone adjusted to HM3.1 dz |
| 262 | | 650-850 | 0.30 | 0.22 | BCPM value for 151-500 density zone adjusted to HM3.1 dz |
| 263 | | 850-2,550 | 0.20 | 0.22 | BCPM value for 501-2000 density zone adjusted to HM3.1 dz |
| 264 | | 2,550-5,000 | 0.10 | 0.15 | BCPM value for 2001-5000 density zone adjusted to HM3.1 dz |
| 265 | | 5,000-10,000 | 0.05 | 0.05 | BCPM value for >5000 density zone adjusted to HM3.1 dz |
| 266 | | 10,000+ | 0.05 | 0.05 | BCPM value for >5000 density zone adjusted to HM3.1 dz |
| 267 | | | | | |
| 268 | *Buried Installation/foot* | | | | |
| 269 | | 0-5 | $1.77 | $1.35 | BCPM normal buried feeder w/o sharing for dz 0-10 |
| 270 | | 5-100 | $1.77 | $1.79 | BCPM normal buried feeder w/o sharing for dz 11-50 |
| 271 | | 100-200 | $1.77 | $2.96 | BCPM normal buried feeder w/o sharing for dz 51-150 |
| 272 | | 200-650 | $1.93 | $4.18 | BCPM normal buried feeder w/o sharing for dz 151-500 |
| 273 | | 650-850 | $2.17 | $5.18 | BCPM normal buried feeder w/o sharing for dz 151-500 |
| 274 | | 850-2,550 | $3.54 | $5.18 | BCPM normal buried feeder w/o sharing for dz 501-2000 |
| 275 | | 2,550-5,000 | $4.27 | $8.22 | BCPM normal buried feeder w/o sharing for dz 2001-5000 |
| 276 | | 5,000-10,000 | $13.00 | $8.84 | BCPM normal buried feeder w/o sharing for dz >5000 |
| 277 | | 10,000+ | $45.00 | $8.84 | BCPM normal buried feeder w/o sharing for dz >5000 |
| 278 | | | | | |
| 279 | *Conduit Installation/foot* | | | | |
| 280 | | 0-5 | $10.29 | $2.76 | BCPM underground feeder normal structure costs w/out sharing for density zone 0-10 |
| 281 | | 5-100 | $10.29 | $3.04 | BCPM underground feeder normal structure costs w/out sharing for density zone 11-50 |
| 282 | | 100-200 | $10.29 | $3.93 | BCPM underground feeder normal structure costs w/out sharing for density zone 51-150 |
| 283 | | 200-650 | $11.35 | $4.53 | BCPM underground feeder normal structure costs w/out sharing for density zone 151-500 |
| 284 | | 650-850 | $11.38 | $5.27 | BCPM underground feeder normal structure costs w/out sharing for density zone 151-500 |
| 285 | | 850-2,550 | $16.40 | $5.27 | BCPM underground feeder normal structure costs w/out sharing for density zone 501-2000 |
| 286 | | 2,550-5,000 | $21.60 | $8.22 | BCPM underground feeder normal structure costs w/out sharing for density zone 2001-5000 |
| 287 | | 5,000-10,000 | $50.10 | $8.84 | BCPM underground feeder normal structure costs w/out sharing for density zone >5000 |
| 288 | | 10,000+ | $75.00 | $8.84 | BCPM underground feeder normal structure costs w/out sharing for density zone >5000 |
| 289 | | | | | |
| 290 | *Manhole Spacing, ft.* | | | | |
| 291 | | 0-5 | 800 | 725 | BCPM manhole spacing for density zone 0-10 |
| 292 | | 5-100 | 800 | 725 | BCPM manhole spacing for density zone 11-50 |
| 293 | | 100-200 | 800 | 725 | BCPM manhole spacing for density zone 51-150 |
| 294 | | 200-650 | 800 | 725 | BCPM manhole spacing for density zone 151-500 |
| 295 | | 650-850 | 600 | 550 | BCPM manhole spacing for density zone 151-500 |
| 296 | | 850-2,550 | 600 | 550 | BCPM manhole spacing for density zone 501-2000 |
| 297 | | 2,550-5,000 | 600 | 550 | BCPM manhole spacing for density zone 2001-5000 |
| 298 | | 5,000-10,000 | 400 | 550 | BCPM manhole spacing for density zone >5000 |
| 299 | | 10,000+ | 400 | 550 | BCPM manhole spacing for density zone >5000 |
| 300 | | | | | |
| 301 | Pole spacing, feet | 0-5 | 250 | 250 | BCPM pole spacing for density zone 0-10 |
| 302 | | 5-100 | 250 | 250 | BCPM pole spacing for density zone 11-50 |
| 303 | | 100-200 | 200 | 250 | BCPM pole spacing for density zone 51-150 |

| | A | B | C | D | E |
|---|---|---|---|---|---|
| 4 | HM2.2.2 Input Name | HM3 Input Name | HM3 Values | BCPM-Mimicing Values | Logic Source for BCPM-Mimicing Value |
| 5 | | | | | |
| 304 | | 200-650 | 200 | 250 | BCPM pole spacing for density zone 151-500 |
| 305 | | 650-850 | 175 | 150 | BCPM pole spacing for density zone 151-500 |
| 306 | | 850-2,550 | 175 | 150 | BCPM pole spacing for density zone 501-2000 |
| 307 | | 2,550-5,000 | 150 | 150 | BCPM pole spacing for density zone 2001-5000 |
| 308 | | 5,000-10,000 | 150 | 150 | BCPM pole spacing for density zone >5000 |
| 309 | | 10,000+ | 150 | 150 | BCPM pole spacing for density zone >5000 |
| 310 | | | | | |
| 311 | Pole investment | Pole materials | $201 | $436.17 | Approximate BCPM pole installation cost |
| 312 | | Pole labor | $216 | $365.95 | Approximate BCPM pole cost |
| 313 | | Pole total investment | $417 | $802.12 | Sum of pole material cost and pole labor cost |
| 314 | Conduit investment per foot | | $0.60 | $0.83 | BCPM conduit cost per duct foot |
| 315 | | | | | |
| 316 | | | | | |
| 317 | | | | | |
| 318 | Manhole investment, per manhole | 0-5 | $5,140 | $1,344 | BCPM handhole cost including installation w/out sharing |
| 319 | | 5-100 | $5,140 | $1,344 | BCPM handhole cost including installation w/out sharing |
| 320 | | 100-200 | $5,140 | $3,783 | BCPM 4X manhole cost including installation w/out sharing |
| 321 | | 200-650 | $5,140 | $3,783 | BCPM 4X manhole cost including installation w/out sharing |
| 322 | | 650-850 | $5,540 | $5,640 | BCPM 9X manhole cost including installation w/out sharing |
| 323 | | 850-2,550 | $5,840 | $5,640 | BCPM 9X manhole cost including installation w/out sharing |
| 324 | | 2,550-5,000 | $5,840 | $5,640 | BCPM 9X manhole cost including installation w/out sharing |
| 325 | | 5,000-10,000 | $7,340 | $5,640 | BCPM 9X manhole cost including installation w/out sharing |
| 326 | | 10,000+ | $7,340 | $5,640 | BCPM 9X manhole cost including installation w/out sharing |
| 327 | Buried cable jacketing multiplier | | 1.04 | | |
| 328 | | | | | |
| 329 | **Fiber Feeder Structure Inputs** | | | | |
| 330 | | | | | |
| 331 | *Aerial fraction* | *Aerial/block cable fraction* | | | |
| 332 | | 0-5 | 0.35 | 0.10 | BCPM value for 0-10 density zone adjusted to HM3.1 dz |
| 333 | | 5-100 | 0.35 | 0.07 | BCPM value for 11-50 density zone adjusted to HM3.1 dz |
| 334 | | 100-200 | 0.35 | 0.06 | BCPM value for 51-150 density zone adjusted to HM3.1 dz |
| 335 | | 200-650 | 0.30 | 0.05 | BCPM value for 151-500 density zone adjusted to HM3.1 dz |
| 336 | | 650-850 | 0.30 | 0.03 | BCPM value for 151-500 density zone adjusted to HM3.1 dz |
| 337 | | 850-2,550 | 0.20 | 0.03 | BCPM value for 501-2000 density zone adjusted to HM3.1 dz |
| 338 | | 2,550-5,000 | 0.15 | 0.00 | BCPM value for 2001-5000 density zone adjusted to HM3.1 dz |
| 339 | | 5,000-10,000 | 0.10 | 0.00 | BCPM value for >5000 density zone adjusted to HM3.1 dz |
| 340 | | 10,000+ | 0.05 | 0.00 | BCPM value for >5000 density zone adjusted to HM3.1 dz |
| 341 | | | | | |
| 342 | *Buried Fraction* | | | | |
| 343 | | 0-5 | 0.60 | 0.80 | BCPM value for 0-10 density zone adjusted to HM3.1 dz |
| 344 | | 5-100 | 0.60 | 0.08 | BCPM value for 11-50 density zone adjusted to HM3.1 dz |
| 345 | | 100-200 | 0.60 | 0.07 | BCPM value for 51-150 density zone adjusted to HM3.1 dz |
| 346 | | 200-650 | 0.60 | 0.70 | BCPM value for 151-500 density zone adjusted to HM3.1 dz |
| 347 | | 650-850 | 0.30 | 0.22 | BCPM value for 151-500 density zone adjusted to HM3.1 dz |
| 348 | | 850-2,550 | 0.20 | 0.22 | BCPM value for 501-2000 density zone adjusted to HM3.1 dz |
| 349 | | 2,550-5,000 | 0.10 | 0.15 | BCPM value for 2001-5000 density zone adjusted to HM3.1 dz |
| 350 | | 5,000-10,000 | 0.05 | 0.05 | BCPM value for >5000 density zone adjusted to HM3.1 dz |
| 351 | | 10,000+ | 0.05 | 0.05 | BCPM value for >5000 density zone adjusted to HM3.1 dz |
| 352 | | | | | |
| 353 | *Buried Installation/foot* | | | | |
| 354 | | 0-5 | $1.77 | $1.35 | BCPM normal buried feeder w/o sharing for dz 0-10 |
| 355 | | 5-100 | $1.77 | $1.79 | BCPM normal buried feeder w/o sharing for dz 11-50 |
| 356 | | 100-200 | $1.77 | $2.96 | BCPM normal buried feeder w/o sharing for dz 51-150 |
| 357 | | 200-650 | $1.93 | $4.18 | BCPM normal buried feeder w/o sharing for dz 151-500 |
| 358 | | 650-850 | $2.17 | $5.18 | BCPM normal buried feeder w/o sharing for dz 151-500 |
| 359 | | 850-2,550 | $3.54 | $5.18 | BCPM normal buried feeder w/o sharing for dz 501-2000 |
| 360 | | 2,550-5,000 | $4.27 | $8.22 | BCPM normal buried feeder w/o sharing for dz 2001-5000 |
| 361 | | 5,000-10,000 | $13.00 | $8.84 | BCPM normal buried feeder w/o sharing for dz >5000 |
| 362 | | 10,000+ | $45.00 | $8.84 | BCPM normal buried feeder w/o sharing for dz >5000 |
| 363 | | | | | |
| 364 | *Conduit Installation/foot* | | | | |
| 365 | | 0-5 | $10.29 | $2.76 | BCPM normal u/g feeder w/o sharing for dz 0-10 |
| 366 | | 5-100 | $10.29 | $3.04 | BCPM normal u/g feeder w/o sharing for dz 11-50 |
| 367 | | 100-200 | $10.29 | $3.93 | BCPM normal u/g feeder w/o sharing for dz 51-150 |
| 368 | | 200-650 | $11.35 | $4.53 | BCPM normal u/g feeder w/o sharing for dz 151-500 |
| 369 | | 650-850 | $11.38 | $5.27 | BCPM normal u/g feeder w/o sharing for dz 151-500 |
| 370 | | 850-2,550 | $16.40 | $5.27 | BCPM normal u/g feeder w/o sharing for dz 501-2000 |
| 371 | | 2,550-5,000 | $21.60 | $8.22 | BCPM normal u/g feeder w/o sharing for dz 2001-5000 |
| 372 | | 5,000-10,000 | $50.10 | $8.84 | BCPM normal u/g feeder w/o sharing for dz >5000 |
| 373 | | 10,000+ | $75.00 | $8.84 | BCPM normal u/g feeder w/o sharing for dz >5000 |
| 374 | | | | | |
| 375 | *Manhole Spacing, ft.* | Pullbox spacing, ft | | | |
| 376 | | 0-5 | 2,000 | 725 | BCPM manhole spacing for density zone 0-10 |
| 377 | | 5-100 | 2,000 | 725 | BCPM manhole spacing for density zone 11-50 |
| 378 | | 100-200 | 2,000 | 725 | BCPM manhole spacing for density zone 51-150 |
| 379 | | 200-650 | 2,000 | 725 | BCPM manhole spacing for density zone 151-500 |
| 380 | | 650-850 | 2,000 | 550 | BCPM manhole spacing for density zone 151-500 |
| 381 | | 850-2,550 | 2,000 | 550 | BCPM manhole spacing for density zone 501-2000 |
| 382 | | 2,550-5,000 | 2,000 | 550 | BCPM manhole spacing for density zone 2001-5000 |

| | A | B | C | D | E |
|---|---|---|---|---|---|
| 4 | HM2.2.2 Input Name | HM3 Input Name | HM3 Values | BCPM-Mimicing Values | Logic Source for BCPM-Mimicing Value |
| 5 | | | | | |
| 383 | | 5,000-10,000 | 2,000 | 550 | BCPM manhole spacing for density zone >5000 |
| 384 | | 10,000+ | 2,000 | 550 | BCPM manhole spacing for density zone >5000 |
| 385 | | | | | |
| 386 | | pullbox investment | | | |
| 387 | | 0-5 | $500.00 | $1,344 | BCPM handhole cost including installation w/out sharing |
| 388 | | 5-100 | $500.00 | $1,344 | BCPM handhole cost including installation w/out sharing |
| 389 | | 100-200 | $500.00 | $3,783 | BCPM 4X manhole cost including installation w/out sharing |
| 390 | | 200-650 | $500.00 | $3,783 | BCPM 4X manhole cost including installation w/out sharing |
| 391 | | 650-850 | $500.00 | $5,640 | BCPM 9X manhole cost including installation w/out sharing |
| 392 | | 850-2,550 | $500.00 | $5,640 | BCPM 9X manhole cost including installation w/out sharing |
| 393 | | 2,550-5,000 | $500.00 | $5,640 | BCPM 9X manhole cost including installation w/out sharing |
| 394 | | 5,000-10,000 | $500.00 | $5,640 | BCPM 9X manhole cost including installation w/out sharing |
| 395 | | 10,000+ | $500.00 | $5,640 | BCPM 9X manhole cost including installation w/out sharing |
| 396 | | | | | |
| 397 | | fiber strand fill factor | | | |
| 398 | | 0-5 | 1.00 | | |
| 399 | | 5-100 | 1.00 | | |
| 400 | | 100-200 | 1.00 | | |
| 401 | | 200-650 | 1.00 | | |
| 402 | | 650-850 | 1.00 | | |
| 403 | | 850-2,550 | 1.00 | | |
| 404 | | 2,550-5,000 | 1.00 | | |
| 405 | | 5,000-10,000 | 1.00 | | |
| 406 | | 10,000+ | 1.00 | | |
| 407 | | | | | |
| 408 | Buried fiber cable jacketing, per foot | | $0.20 | | |
| 409 | | | | | |
| 410 | | | | | |
| 411 | **Misc. Loop Investment Inputs** | | | | |
| 412 | | | | | |
| 413 | Drop investment per line | Drop distance (feet) | | | |
| 414 | | 0-5 | 150 | 491 | Approximate BCPM drop distance for density zone 0-10 |
| 415 | | 5-100 | 150 | 689 | Approximate BCPM drop distance for density zone 11-50 |
| 416 | | 100-200 | 100 | 437 | Approximate BCPM drop distance for density zone 51-150 |
| 417 | | 200-650 | 100 | 250 | Approximate BCPM drop distance for density zone 151-500 |
| 418 | | 650-850 | 50 | 250 | Approximate BCPM drop distance for density zone 151-501 |
| 419 | | 850-2,550 | 50 | 131 | Approximate BCPM drop distance for density zone 501-200 |
| 420 | | 2,550-5,000 | 50 | 87 | Approximate BCPM drop distance for density zone 2001-5000 |
| 421 | | 5,000-10,000 | 50 | 91 | Approximate BCPM drop distance for density zone >5000 |
| 422 | | 10,000+ | 50 | 91 | Approximate BCPM drop distance for density zone >5000 |
| 423 | | | | | |
| 424 | | Drop placement cost - aerial total | | | |
| 425 | | 0-5 | $58.33 | $378.07 | BCPM drop distance for dz 0-10 times $0.77/foot |
| 426 | | 5-100 | $58.33 | $530.53 | BCPM drop distance for dz 11-50 times $0.77/foot |
| 427 | | 100-200 | $46.67 | $336.49 | BCPM drop distance for dz 51-150 times $0.77/foot |
| 428 | | 200-650 | $35.00 | $192.50 | BCPM drop distance for dz 151-500 times $0.77/foot |
| 429 | | 650-850 | $23.33 | $192.50 | BCPM drop distance for dz 151-500 times $0.77/foot |
| 430 | | 850-2,550 | $11.67 | $100.87 | BCPM drop distance for dz 501-2000 times $0.77/foot |
| 431 | | 2,550-5,000 | $11.67 | $66.99 | BCPM drop distance for dz 2001-5000 times $0.77/foot |
| 432 | | 5,000-10,000 | $11.67 | $70.07 | BCPM drop distance for dz >5000 times $0.77/foot |
| 433 | | 10,000+ | $11.67 | $70.07 | BCPM drop distance for dz >5000 times $0.77/foot |
| 434 | | | | | |
| 435 | | Drop placement cost - buried per foot | | | |
| 436 | | 0-5 | $0.75 | $0.77 | BCPM drop cost per foot of $0.77 |
| 437 | | 5-100 | $0.75 | $0.77 | BCPM drop cost per foot of $0.77 |
| 438 | | 100-200 | $0.75 | $0.77 | BCPM drop cost per foot of $0.77 |
| 439 | | 200-650 | $0.75 | $0.77 | BCPM drop cost per foot of $0.77 |
| 440 | | 650-850 | $0.75 | $0.77 | BCPM drop cost per foot of $0.77 |
| 441 | | 850-2,550 | $0.75 | $0.77 | BCPM drop cost per foot of $0.77 |
| 442 | | 2,550-5,000 | $1.13 | $0.77 | BCPM drop cost per foot of $0.77 |
| 443 | | 5,000-10,000 | $1.50 | $0.77 | BCPM drop cost per foot of $0.77 |
| 444 | | 10,000+ | $5.00 | $0.77 | BCPM drop cost per foot of $0.77 |
| 445 | | | | | |
| 446 | | Drop structure % aerial | | | |
| 447 | | 0-5 | 0.25 | | |
| 448 | | 5-100 | 0.25 | | |
| 449 | | 100-200 | 0.25 | | |
| 450 | | 200-650 | 0.30 | | |
| 451 | | 650-850 | 0.30 | | |
| 452 | | 850-2,550 | 0.30 | | |
| 453 | | 2,550-5,000 | 0.30 | | |
| 454 | | 5,000-10,000 | 0.60 | | |
| 455 | | 10,000+ | 0.85 | | |
| 456 | | | | | |
| 457 | | Drop cable investment, per foot | | | |
| 458 | | Aerial | $0.095 | | |
| 459 | | Buried | $0.140 | | |
| 460 | | # pairs per drop | | | |
| 461 | | Aerial | 2 | | |
| 462 | | Buried | 3 | | |

| | A | B | C | D | E |
|---|---|---|---|---|---|
| 4 | HM2.2.2 Input Name | HM3 Input Name | HM3 Values | BCPM-Mimicing Values | Logic Source for BCPM-Mimicing Value |
| 5 | | | | | |
| 628 | | 200-650 | 0.33 | 0.84 | Approximate BCPM value for 151-500 density zone adjusted to HM3.1 dz |
| 629 | | 650-850 | 0.33 | 0.84 | Approximate BCPM value for 151-500 density zone adjusted to HM3.1 dz |
| 630 | | 850-2,550 | 0.33 | 0.84 | Approximate BCPM value for 501-2000 density zone adjusted to HM3.1 dz |
| 631 | | 2,550-5,000 | 0.33 | 0.80 | Approximate BCPM value for 2001-5000 density zone adjusted to HM3.1 dz |
| 632 | | 5,000-10,000 | 0.33 | 0.80 | Approximate BCPM value for >5000 density zone adjusted to HM3.1 dz |
| 633 | | 10,000+ | 0.33 | 0.80 | Approximate BCPM value for >5000 density zone adjusted to HM3.1 dz |
| 634 | | | | | |
| 635 | underground | 0-5 | 1.00 | 1.00 | Approximate BCPM value for 0-10 density zone adjusted to HM3.1 dz |
| 636 | | 5-100 | 0.50 | 0.95 | Approximate BCPM value for 11-50 density zone adjusted to HM3.1 dz |
| 637 | | 100-200 | 0.50 | 0.90 | Approximate BCPM value for 51-150 density zone adjusted to HM3.1 dz |
| 638 | | 200-650 | 0.50 | 0.80 | Approximate BCPM value for 151-500 density zone adjusted to HM3.1 dz |
| 639 | | 650-850 | 0.40 | 0.80 | Approximate BCPM value for 151-500 density zone adjusted to HM3.1 dz |
| 640 | | 850-2,550 | 0.33 | 0.80 | Approximate BCPM value for 501-2000 density zone adjusted to HM3.1 dz |
| 641 | | 2,550-5,000 | 0.33 | 0.80 | Approximate BCPM value for 2001-5000 density zone adjusted to HM3.1 dz |
| 642 | | 5,000-10,000 | 0.33 | 0.80 | Approximate BCPM value for >5000 density zone adjusted to HM3.1 dz |
| 643 | | 10,000+ | 0.33 | 0.80 | Approximate BCPM value for >5000 density zone adjusted to HM3.1 dz |
| 644 | | | | | |
| 645 | *Feeder structure % assigned to telephone* | | | | |
| 646 | aerial | 0-5 | 0.50 | 0.55 | Approximate BCPM value for 0-10 density zone adjusted to HM3.1 dz |
| 647 | | 5-100 | 0.33 | 0.55 | Approximate BCPM value for 11-50 density zone adjusted to HM3.1 dz |
| 648 | | 100-200 | 0.25 | 0.55 | Approximate BCPM value for 51-150 density zone adjusted to HM3.1 dz |
| 649 | | 200-650 | 0.25 | 0.55 | Approximate BCPM value for 151-500 density zone adjusted to HM3.1 dz |
| 650 | | 650-850 | 0.25 | 0.55 | Approximate BCPM value for 151-500 density zone adjusted to HM3.1 dz |
| 651 | | 850-2,550 | 0.25 | 0.55 | Approximate BCPM value for 501-2000 density zone adjusted to HM3.1 dz |
| 652 | | 2,550-5,000 | 0.25 | 0.55 | Approximate BCPM value for 2001-5000 density zone adjusted to HM3.1 dz |
| 653 | | 5,000-10,000 | 0.25 | 0.55 | Approximate BCPM value for >5000 density zone adjusted to HM3.1 dz |
| 654 | | 10,000+ | 0.25 | 0.55 | Approximate BCPM value for >5000 density zone adjusted to HM3.1 dz |
| 655 | | | | | |
| 656 | buried | 0-5 | 0.40 | 1.00 | Approximate BCPM value for 0-10 density zone adjusted to HM3.1 dz |
| 657 | | 5-100 | 0.40 | 0.99 | Approximate BCPM value for 11-50 density zone adjusted to HM3.1 dz |
| 658 | | 100-200 | 0.40 | 0.98 | Approximate BCPM value for 51-150 density zone adjusted to HM3.1 dz |
| 659 | | 200-650 | 0.40 | 0.95 | Approximate BCPM value for 151-500 density zone adjusted to HM3.1 dz |
| 660 | | 650-850 | 0.40 | 0.95 | Approximate BCPM value for 151-500 density zone adjusted to HM3.1 dz |
| 661 | | 850-2,550 | 0.40 | 0.95 | Approximate BCPM value for 501-2000 density zone adjusted to HM3.1 dz |
| 662 | | 2,550-5,000 | 0.40 | 0.85 | Approximate BCPM value for 2001-5000 density zone adjusted to HM3.1 dz |
| 663 | | 5,000-10,000 | 0.40 | 0.85 | Approximate BCPM value for >5000 density zone adjusted to HM3.1 dz |
| 664 | | 10,000+ | 0.40 | 0.85 | Approximate BCPM value for >5000 density zone adjusted to HM3.1 dz |
| 665 | | | | | |
| 666 | underground | 0-5 | 0.50 | 1.000 | Approximate BCPM value for 0-10 density zone adjusted to HM3.1 dz |
| 667 | | 5-100 | 0.50 | 0.975 | Approximate BCPM value for 11-50 density zone adjusted to HM3.1 dz |
| 668 | | 100-200 | 0.40 | 0.950 | Approximate BCPM value for 51-150 density zone adjusted to HM3.1 dz |
| 669 | | 200-650 | 0.33 | 0.925 | Approximate BCPM value for 151-500 density zone adjusted to HM3.1 dz |
| 670 | | 650-850 | 0.33 | 0.925 | Approximate BCPM value for 151-500 density zone adjusted to HM3.1 dz |

| | A | B | C | D | E |
|---|---|---|---|---|---|
| 4 | HM2.2.2 Input Name | HM3 Input Name | HM3 Values | BCPM-Mimicing Values | Logic Source for BCPM-Mimicing Value |
| 5 | | | | | |
| 571 | | 850-2,550 | 0.33 | 0.900 | Approximate BCPM value for 501-2000 density zone adjusted to HM3.1 dz |
| 572 | | 2,550-5,000 | 0.33 | 0.850 | Approximate BCPM value for 2001-5000 density zone adjusted to HM3.1 dz |
| 573 | | 5,000-10,000 | 0.33 | 0.850 | Approximate BCPM value for >5000 density zone adjusted to HM3.1 dz |
| 574 | | 10,000+ | 0.33 | 0.850 | Approximate BCPM value for >5000 density zone adjusted to HM3.1 dz |
| 575 | | | | | |
| 576 | *SAI Investment, installed* | | | | |
| 577 | *Distribution cable size* | | Outdoor (*) | | |
| 578 | 0 | 6 | $250 | $407 | Interpolated from BCPM data |
| 579 | 100 | 12 | $250 | $407 | Interpolated from BCPM data |
| 580 | 200 | 25 | $250 | $1,885 | Interpolated from BCPM data |
| 581 | 400 | 50 | $300 | $2,120 | Interpolated from BCPM data |
| 582 | 600 | 100 | $642 | $2,590 | Interpolated from BCPM data |
| 583 | 900 | 200 | $902 | $6,848 | Interpolated from BCPM data |
| 584 | 1200 | 400 | $1,071 | $8,717 | Interpolated from BCPM data |
| 585 | 1800 | 600 | $1,500 | $11,490 | Interpolated from BCPM data |
| 586 | 2400 | 900 | $2,028 | $11,713 | Interpolated from BCPM data |
| 587 | 3000 | 1200 | $2,610 | $19,299 | Interpolated from BCPM data |
| 588 | 3600 | 1800 | $3,569 | $23,426 | Interpolated from BCPM data |
| 589 | | 2400 | $4,469 | $27,553 | Interpolated from BCPM data |
| 590 | | | | | |
| 591 | | | | | |
| 592 | *Distribution cable size* | | Indoor (*) | | |
| 593 | 0 | 6 | $48 | $340 | Interpolated from BCPM data |
| 594 | 100 | 12 | $48 | $340 | Interpolated from BCPM data |
| 595 | 200 | 25 | $48 | $340 | Interpolated from BCPM data |
| 596 | 400 | 50 | $48 | $509 | Interpolated from BCPM data |
| 597 | 600 | 100 | $48 | $812 | Interpolated from BCPM data |
| 598 | 900 | 200 | $96 | $1,293 | Interpolated from BCPM data |
| 599 | 1200 | 400 | $192 | $2,324 | Interpolated from BCPM data |
| 600 | 1800 | 600 | $288 | $3,757 | Interpolated from BCPM data |
| 601 | 2400 | 900 | $432 | $4,901 | Interpolated from BCPM data |
| 602 | 3000 | 1200 | $576 | $6,045 | Interpolated from BCPM data |
| 603 | 3600 | 1800 | $864 | $7,189 | Interpolated from BCPM data |
| 604 | | 2400 | $1,052 | $8,333 | Interpolated from BCPM data |
| 605 | | | | | |
| 606 | | * Assume same SAI for fiber and copper, differentiated | | | |
| 607 | | by indoor (high-rise) and outdoor | | | |
| 608 | | | | | |
| 609 | | | | | |
| 610 | **Digital Loop Carrier Inputs** | | | | |
| 611 | | | | | |
| 612 | *SLC (TR-303)* | *DLC (TR-303)* | | | |
| 613 | site, housing, and power per remote terminal | | $3,000 | $0 | *Value calculated to approximate BCPM DLC Investment per line curve* |
| 614 | maximum lines | Maximum lines per line module | 672 | | |
| 615 | remote terminal fill factor | | 0.90 | 0.85 | Direct input of BCPM data |
| 616 | common equipment investment | common eqpt. invst., initial line mod. | $66,000 | $92,147 | Value calculated to approximate BCPM DLC Investment per line curve |
| 617 | | common eqpt inv., per addt'l line mod. | $18,500 | $32,974 | Value calculated to approximate BCPM DLC Investment per line curve |
| 618 | | max number of addt'l line mods. | 2 | 1 | |
| 619 | | | | | |
| 620 | channel unit investment per line | POTS channel unit investment | $310 | $371 | Direct input of BCPM data |
| 621 | | POTS lines per CU | 4 | | |
| 622 | | coin channel unit investment | $250 | $371 | No coin units assumed in BCPM, POTS unit used |
| 623 | | coin lines per CU | 2 | 4 | No coin units assumed in BCPM, POTS characteristics used |
| 624 | DS-0s per fiber | | (not used) | | |
| 625 | Fibers per remote terminal | | 4 | | |
| 626 | | optical patch panel | $1,000 | $0 | Not costed in BCPM |
| 627 | | | | | |
| 628 | | | | | |
| 629 | | TR-303/LD crossover, lines | 384 | 240 | Direct input of BCPM data |
| 630 | | | | | |
| 631 | AFC | LOW-DENSITY DLC | | | |
| 632 | site, housing, and power per remote terminal | Number is supposed to be negative | $2,500 | -$22,278 | *Value calculated to approximate BCPM DLC Investment per line curve* |
| 633 | maximum lines | | 96 | 120 | Direct input of BCPM data |
| 634 | remote terminal fill factor | | 0.90 | 0.85 | Direct input of BCPM data |
| 635 | common equipment investment | Common eqpt. invst., initial line mod. | $13,000 | $75,855 | Value calculated to approximate BCPM DLC Investment per line curve |
| 636 | | common eqpt inv per addt'l line mod. | $11,000 | $31,299 | Value calculated to approximate BCPM DLC Investment per line curve |
| 637 | | max number of addt'l line mods. | 1 | | |
| 638 | channel unit investment per line | POTS channel unit investment | $310 | $371 | Direct input of BCPM data |
| 639 | | POTS lines per CU | 4 | | |
| 640 | | coin channel unit investment | $250 | $371 | No coin units assumed in BCPM, POTS unit used |

| | A | B | C | D | E |
|---|---|---|---|---|---|
| 4 | HM2.2.2 Input Name | HM3 Input Name | HM3 Values | BCPM-Mimicing Values | Logic Source for BCPM-Mimicing Value |
| 5 | | | | | |
| 641 | | coin lines per CU | 2 | 4 | No coin units assumed in BCPM, POTS characteristics used |
| 642 | DS-0s per fiber | | (not used) | | |
| 643 | Fibers per remote terminal | | 4 | | |
| 644 | | optical patch panel | $1,000 | $0 | Not costed in BCPM |
| 645 | Fiber feeder distance threshold, ft. (feeder length) | | 9,000 | 7,500 | Distance threshold necessary to approximate the percentage of lines served by DLC in BCPM |
| 646 | | | | | |
| 647 | | | | | |
| 648 | **Signaling Parameters** | | | | Captured via BCPM assumption of 3% factor against EO switching investment |
| 649 | | | | | |
| 650 | STP Link Capacity | | 720 | | |
| 651 | STP Maximum Fill | | 0.8 | | |
| 652 | STP Investment, per pair, fully equipped | max STP inv per pair | $5,000,000 | | |
| 653 | STP common equipment investment, per pair | min STP inv per pair | $1,000,000 | | |
| 654 | Link Termination, both ends | | $900.00 | | |
| 655 | Signaling Link Bit Rate, bits per second | | 56,000 | | |
| 656 | Link Occupancy | | 0.40 | | |
| 657 | C Link Cross-Section | | 24 | | |
| 658 | *ISUP messages per interoffice BHCA* | | 6 | | |
| 659 | ISUP message length, bytes | | 25 | | |
| 660 | TCAP messages per transaction | | 2 | | |
| 661 | TCAP message length, bytes | | 100 | | |
| 662 | Fraction of BHCA requiring TCAP | | 0.10 | | |
| 663 | SCP investment per transaction per second | | $20,000 | | |
| 664 | | | | | |
| 665 | **Miscellaneous Inputs** | | | | |
| 666 | | | | | |
| 667 | *Operator position parameters* | | | | |
| 668 | Investment per position | | $6,400 | | |
| 669 | Maximum utilization per position, CCS | | 32 | | |
| 670 | Operator intervention factor | | 10 | | |
| 671 | | | | | |
| 672 | *Crossover points* | | | | |
| 673 | DS0/DS1 crossover | DS0/DS1 terminal factor | 12 | | |
| 674 | DS1/DS3 crossover | DS1/DS3 terminal factor | 10 | | |
| 675 | | | | | |
| 676 | Public Telephone investment per station | | $760 | | |
| 677 | | | | | |
| 678 | | State-specific labor adj. factor | 1.0 | | |
| 679 | | | | | |
| 680 | | | | | |
| 681 | **Transport Investment** | | | | Captured via BCPM assumption of 3% factor against EO switching investment |
| 682 | | | | | |
| 683 | *Terminal Investment* | | | | |
| 684 | Number of Fibers (point-to-point) | Number of fibers (ring) | 24 | | |
| 685 | | Number of fibers per ADM | 4 | | |
| 686 | FOT capacity, DS-3s | | (not used) | | |
| 687 | FOT fill | Terminal fill (DS-0 level) | 0.90 | | |
| 688 | FOT, installed | OC-48 ADM, installed, 48 DS-3s | $50,000 | | |
| 689 | | OC-48 ADM, installed, 12 DS-3s | $40,000 | | |
| 690 | | OC-3 term mux, installed, 84 DS-1s | $26,000 | | |
| 691 | | (inv per 7 DS-1s) | $500 | | |
| 692 | | DCS equipment, installed, per DS-3 | $30,000 | | |
| 693 | | | | | |
| 694 | | channel bank investment, per 24 lines | $5,000 | | |
| 695 | | fraction of SA lines requiring DS-1 mux | 0.50 | | |
| 696 | | | | | |
| 697 | Pigtails | | $60.00 | | |
| 698 | Optical distribution panel | | $1,000.00 | | |
| 699 | EF&I, per hour | | $55.00 | | |
| 700 | EF&I units | | 32 | | |
| 701 | | | | | |
| 702 | *Medium Investment* | | | | |
| 703 | Fraction of structure assigned to telephone | Aerial structure fractionassigned to tel. | 0.33 | | |
| 704 | | Buried structure fraction assigned to tel. | 0.33 | | |
| 705 | | u/g structure fraction assigned to tel. | 0.33 | | |
| 706 | | | | | |
| 707 | Fraction of structure shared with feeder | | 0.75 | 0% | sharing not assumed by BCPM |
| 708 | Regenerator spacing, mi. | | 40 | | |
| 709 | Regenerator investment, installed | | $15,000.00 | | |
| 710 | Fiber cable investment per foot | | $3.50 | | |
| 711 | Trenching per foot | u/g placement | $16.40 | | |
| 712 | Conduit per foot | | $0.60 | | |
| 713 | Number of tubes | spare tubes per route | 1 | | |
| 714 | Manhole investment | pullbox investment | $500 | $5,640 | |
| 715 | Manhole spacing | pullbox spacing, ft | 2,000 | 550.00 | |
| 716 | Buried installation per foot | buried placement | $1.77 | $1.35 | |
| 717 | Pole investment | Pole materials | $201 | $436.17 | |
| 718 | | Pole labor | $216 | $365.95 | |

| | A | B | C | D | E |
|---|---|---|---|---|---|
| 4 | HM2.2.2 Input Name | HM3 Input Name | HM3 Values | BCPM-Mimicing Values | Logic Source for BCPM-Mimicing Value |
| 5 | | | | | |
| 719 | | Pole total investment | $417 | $802.12 | |
| 720 | Pole spacing | | 150 | | |
| 721 | | | | | |
| 722 | Buried fraction | | 0.60 | | |
| 723 | Aerial fraction | | 0.20 | | |
| 724 | Underground fraction (calculated) | | *0.20* | | |
| 725 | | | | | |
| 726 | | Buried fiber cable jacketing, per ft. | $0.20 | | |
| 727 | | | | | |
| 728 | **Call Attempts & DEMs** | | | | |
| 729 | | | | | |
| 730 | *Call Attempts* | | | | |
| 731 | *Local* | | | | |
| 732 | Call Completion Fraction | | 0.70 | | |
| 733 | | | | | |
| 734 | *DEMs* | | | | |
| 735 | Local bus/res DEMs | | 1.1 | | |
| 736 | Intrastate bus/res DEMs | | 2.0 | | |
| 737 | Interstate bus/res DEMs | | 3.0 | | |
| 738 | | | | | |
| 739 | **Line Counts** | | ARMIS data | | |
| 740 | | | | | |
| 741 | | | | | |
| 742 | **Cable Investments** | | | | |
| 743 | *Copper feeder - Underground* | | | | |
| 744 | Cable Size | Cable Size | Inv. per foot (EF&I) | | |
| 745 | 4200 | 4200 | $74.25 | $35.31 | Avg of aerial, buried, and u/g cable cost for 4200 pair cable |
| 746 | 3600 | 3600 | $63.75 | $32.50 | Avg of aerial, buried, and u/g cable cost for 3600 pair cable |
| 747 | 3000 | 3000 | $53.25 | $30.25 | Avg of aerial, buried, and u/g cable cost for 3000 pair cable |
| 748 | 2400 | 2400 | $42.75 | $24.85 | Avg of aerial, buried, and u/g cable cost for 2400 pair cable |
| 749 | 1800 | 1800 | $32.25 | $19.04 | Avg of aerial, buried, and u/g cable cost for 1800 pair cable |
| 750 | 1200 | 1200 | $21.75 | $12.65 | Avg of aerial, buried, and u/g cable cost for 1200 pair cable |
| 751 | 900 | 900 | $16.50 | $10.18 | Avg of aerial, buried, and u/g cable cost for 900 pair cable |
| 752 | 600 | 600 | $11.25 | $7.33 | Avg of aerial, buried, and u/g cable cost for 600 pair cable |
| 753 | 400 | 400 | $7.75 | $5.93 | Avg of aerial, buried, and u/g cable cost for 400 pair cable |
| 754 | 200 | 200 | $4.25 | $3.64 | Avg of aerial, buried, and u/g cable cost for 200 pair cable |
| 755 | 100 | 100 | $2.50 | $2.72 | Avg of aerial, buried, and u/g cable cost for 100 pair cable |
| 756 | | | | | |
| 757 | *Copper Feeder - Aerial* | | | | |
| 758 | Cable Size | Cable Size | Inv. per foot (EF&I) | | |
| 759 | 4200 | 4200 | $74.25 | $35.31 | Avg of aerial, buried, and u/g cable cost for 4200 pair cable |
| 760 | 3600 | 3600 | $63.75 | $32.50 | Avg of aerial, buried, and u/g cable cost for 3600 pair cable |
| 761 | 3000 | 3000 | $53.25 | $30.25 | Avg of aerial, buried, and u/g cable cost for 3000 pair cable |
| 762 | 2400 | 2400 | $42.75 | $24.85 | Avg of aerial, buried, and u/g cable cost for 2400 pair cable |
| 763 | 1800 | 1800 | $32.25 | $19.04 | Avg of aerial, buried, and u/g cable cost for 1800 pair cable |
| 764 | 1200 | 1200 | $21.75 | $12.65 | Avg of aerial, buried, and u/g cable cost for 1200 pair cable |
| 765 | 900 | 900 | $16.50 | $10.18 | Avg of aerial, buried, and u/g cable cost for 900 pair cable |
| 766 | 600 | 600 | $11.25 | $7.33 | Avg of aerial, buried, and u/g cable cost for 600 pair cable |
| 767 | 400 | 400 | $7.75 | $5.93 | Avg of aerial, buried, and u/g cable cost for 400 pair cable |
| 768 | 200 | 200 | $4.25 | $3.64 | Avg of aerial, buried, and u/g cable cost for 200 pair cable |
| 769 | 100 | 100 | $2.50 | $2.72 | Avg of aerial, buried, and u/g cable cost for 100 pair cable |
| 770 | | | | | |
| 771 | *Distribution - Underground* | | | | |
| 772 | Cable Size | Cable Size | Inv. per foot (EF&I) | | |
| 773 | 2400 | 2400 | $42.75 | $25.02 | Avg of aerial, buried, and u/g cable cost for 2400 pair cable |
| 774 | 1800 | 1800 | $32.25 | $19.10 | Avg of aerial, buried, and u/g cable cost for 1800 pair cable |
| 775 | 1200 | 1200 | $21.75 | $12.69 | Avg of aerial, buried, and u/g cable cost for 1200 pair cable |
| 776 | 900 | 900 | $16.50 | $9.99 | Avg of aerial, buried, and u/g cable cost for 900 pair cable |
| 777 | 600 | 600 | $11.25 | $7.33 | Avg of aerial, buried, and u/g cable cost for 600 pair cable |
| 778 | 400 | 400 | $7.75 | $5.93 | Avg of aerial, buried, and u/g cable cost for 400 pair cable |
| 779 | 200 | 200 | $4.25 | $3.64 | Avg of aerial, buried, and u/g cable cost for 200 pair cable |
| 780 | 100 | 100 | $2.50 | $2.72 | Avg of aerial, buried, and u/g cable cost for 100 pair cable |
| 781 | 50 | 50 | $1.63 | $2.39 | Avg of aerial, buried, and u/g cable cost for 50 pair cable |
| 782 | 25 | 25 | $1.19 | $1.98 | Avg of aerial, buried, and u/g cable cost for 25 pair cable |
| 783 | | 12 | $0.76 | $1.45 | Avg of aerial, buried, and u/g cable cost for 12 pair cable |
| 784 | | 6 | $0.63 | $1.45 | Avg of aerial, buried, and u/g cable cost for 12 pair cable because the BCPM will never take advantage of the cost savings for less than a 12 pair cable |
| 785 | | | | | |
| 786 | *Distribution - Aerial* | | | | |
| 787 | Cable Size | Cable Size | Inv. per foot (EF&I) | | |
| 788 | 2400 | 2400 | $42.75 | $25.02 | Avg of aerial, buried, and u/g cable cost for 2400 pair cable |
| 789 | 1800 | 1800 | $32.25 | $19.10 | Avg of aerial, buried, and u/g cable cost for 1800 pair cable |
| 790 | 1200 | 1200 | $21.75 | $12.69 | Avg of aerial, buried, and u/g cable cost for 1200 pair cable |
| 791 | 900 | 900 | $16.50 | $9.99 | Avg of aerial, buried, and u/g cable cost for 900 pair cable |
| 792 | 600 | 600 | $11.25 | $7.33 | Avg of aerial, buried, and u/g cable cost for 600 pair cable |
| 793 | 400 | 400 | $7.75 | $5.93 | Avg of aerial, buried, and u/g cable cost for 400 pair cable |