

AUTHORIZED COSTS

(Costs incurred or shared under this schedule shall apply for work that is to be performed)

POLE MAINTENANCE AND MISCELLANEOUS

<u>ITEM</u>	30' & 35'	40' & 45'	50' & 55'	60' & 65'	70' & 75'	80' & 85'	90' & 95'	100'
1. Trenching or moving: (with supply)*	2922	3257	4089	4556	6824	7455	8265	8473
2. Trenching or moving: (without supply)*	3807	4548	5288					
3. Lowering or raising to grade (one operation) :	2031	2536	2785	3471	6119	6654	7461	7764
4. Straightening in earth*:	1836	1894	2091	2990	4355	4355	4355	4355
5. Removing from service:								
(a) Pulling (includes 1 hour pre-planning and engineering)								1563
(b) Transporting.....								518
(c) Topping Pole (based on cut and lowering of pole top).....								747
(d) Disposal (effective 07/01/02).....								1126
(e) Lowering.....								831
(f) Removal of steel truss (any size).....								1141
(Rev 01/01/2017)								
6. Pole Stubbing (stub-size):								
(a) 8 ft. metal truss.....								1571
(b) 10 ft. metal truss.....								1966
(c) 11 ft. metal truss.....								2097
(d) 12 ft. metal truss.....								1877
(e) 13 ft. metal truss								2357
(f) 14 ft. metal truss.....								2749
(g) 15.5 ft. metal truss								2749
(h) Additional metal trusses (all sizes).....								1571
(i) Inaccessible to stubbing equipment.....								1719
7. Intentionally left blank								
8. Semi-circular pole guards:								
(a) Installation.....								488
(b) Transferring.....								591
9. Hand Dig Pole Set/Hand Removal:								
(do not apply to Sec 7.4 or rear property line)								
(a) Pole set: Not accessible to digging equipment.....								2566
(b) Pole set/removal: Accessible with Conflict-Must specify nature of conflict on Form 48, Form 7, or Form 2.....								2426
(c) Pole removal not accessible to removal equipment (hand dig only removal) (justification is necessary)								2301
(Rev 01/01/2017)								
10. Sidewalk or pavement repairs for placement, replacement, or removal of pole or anchor:								
(Permit and/or inspection fees, if any, are by special agreement) (See also JPR Section 19.6)								
(a) Cement break and temporary repair.....								1862
(b) Asphalt break and repair.....								1682
(c) Cement saw cut break and repair. Based on 25 square feet.....								1813
(d) Cement saw cut break and repair. Based on 50 square feet.....								2870
(e) ADA accessible ramp.....								3947
(Rev 01/01/2017)								
11. Joint Rights of Way: (By special agreement)								

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ITEM

12. Pole Inspections and Treatment

(a) Reserved for future use	
(b) Partial Dig.....	302
(c) Sound and Bore.....	306
(d) Full Treatment.....	306
(e) Reject.....	306
Note: May only be billed once every 5 years (Effective May 2011).	
(f) Re-inspection of reinforced poles (may only be billed once every 10 years, effective 06/01/2011).....	403

13. Pole/anchor access obstructions:

(a) Clearing poles in State Responsibility area..... (Includes cost of contractor to perform activity and post Quality Control inspection)	540
(b) Removal of vegetation to facilitate the placement/replacement/removal of a pole	633
(c) All other by Special Agreement Section 1.2 such as landscape/hardscape restoration written estimate required.	
(d) Traffic Control (By Special Agreement Section 1.2)	

14. JPA Administrative Fees (per pole cost)

(a) Failure to Final: Including correction of records	477
(b) Failure to Final: Field verification only	426
(c) Failure to Submit Pole Loading by Unauthorized Member (see Section 4.1) – (Revised 11/20/2018).....	817

15. Pole Marking – Maintenance items only (Revised 11/17/2021)

(a) Re-Tagging.....	128
(b) Replacing Visibility Strips	150

16. Backhoe:

(a) 2 hour minimum.....	645
(b) Each additional hour (inclusive operator & truck).....	343

17. Wood pole fiberglass wrap restoration:

(a) Pole set in dirt (8 ft. standard).....	1810
(b) Pole set in asphalt (includes cost of \$140 for asphalt / 8 ft. standard).....	2427
(c) Pole set in concrete (includes cost of \$245 for concrete / 8 ft. standard).....	2428
(d) Additional foot exceeding 8 ft. standard.....	116

18. Mod pole material and installation:

(a) 9'.....	4694
(b) 14'.....	1438
(c) 18'.....	1663

19. Cost for cut & kick:

Only to be used with Section 7.4. Must state benefiting member(s) or mutual benefit under "Nature of Work"

(a) Pole placement located on street without riser and/or equipment	3556
(b) Pole placement located on street with riser and/or equipment.....	4414
(c) Pole placement on rear property with or without riser and/or equipment not accessible to digging equipment.....	5308

(Note: Item 9 not to be used concurrently with item 19 A,B,C)

***NOTE:** Items 1,2,4 and 6 - For pole in sidewalk or pavement, use the specified "in earth" cost and add Item 10 as a separate item for the cost of sidewalk or pavement repair.

AUTHORIZED COSTS

(Costs incurred or shared under this schedule shall apply for work that is to be performed)

**TRENCHING OR MOVING
In Earth, 5' or Less, Item 1 (With Supply)
Allocation of Costs
Based on the Price Per Foot Concept**

Pole Size	Authorized Cost	Per Foot Cost	Total Shared \$	2 Owners Shared \$	3 Owners Shared \$	4 Owners Shared \$	5 Owners Shared \$	6 Owners Shared \$
30'	2922	97.400	2435.000	1217.500	811.667	608.750	487.000	405.833
35'	2922	83.486	2421.086	1210.543	807.029	605.271	484.217	403.514
40'	3257	81.425	2442.750	1221.375	814.250	610.688	488.550	407.125
45'	3257	72.378	2171.333	1085.667	723.778	542.833	434.267	361.889
50'	4089	81.780	2535.180	1267.590	845.060	633.795	507.036	422.530
55'	4089	74.345	2304.709	1152.355	768.236	576.177	460.942	384.118
60'	4556	75.933	2429.867	1214.933	809.956	607.467	485.973	404.978
65'	4556	70.092	2242.954	1121.477	747.651	560.738	448.591	373.826
70'	6824	97.486	3217.029	1608.514	1072.343	804.257	643.406	536.171
75'	6824	90.987	3002.560	1501.280	1000.853	750.640	600.512	500.427
80'	7455	93.188	3168.375	1584.188	1056.125	792.094	633.675	528.063
85'	7455	87.706	2982.000	1491.000	994.000	745.500	596.400	497.000
90'	8265	91.833	3214.167	1607.083	1071.389	803.542	642.833	535.694
95'	8265	87.000	3045.000	1522.500	1015.000	761.250	609.000	507.500
100'	8473	84.730	2965.550	1482.775	988.517	741.388	593.110	494.258

AUTHORIZED COSTS

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**TRENCHING OR MOVING
In Earth, 5' or Less, Item 2 (Without Supply)
Allocation of Costs
Based on the Price Per Foot Concept**

Pole Size	Authorized Cost	Per Foot Cost	Total Shared \$	2 Owners Shared \$	3 Owners Shared \$	4 Owners Shared \$	5 Owners Shared \$	6 Owners Shared \$
30'	3807	126.900	3172.500	1586.250	1057.500	793.125	634.500	528.750
35'	3807	108.771	3154.371	1577.186	1051.457	788.593	630.874	525.729
40'	4548	113.700	3411.000	1705.500	1137.000	852.750	682.200	568.500
45'	4548	101.067	3032.000	1516.000	1010.667	758.000	606.400	505.333
50'	5288	105.760	3278.560	1639.280	1092.853	819.640	655.712	546.427
55'	5288	96.145	2980.509	1490.255	993.503	745.127	596.102	496.752

AUTHORIZED COSTS**(Costs incurred or shared under this schedule shall apply for work that is to be performed)**

**LOWERING OR RAISING
to Grade, Item 3
Allocation of Costs
Based on the Price Per Foot Concept**

Pole Size	Authorized Cost	Per Foot Cost	Total Shared \$	2 Owners Shared \$	3 Owners Shared \$	4 Owners Shared \$	5 Owners Shared \$	6 Owners Shared \$
30'	2031	67.700	1692.500	846.250	564.167	423.125	338.500	282.083
35'	2031	58.029	1682.829	841.414	560.943	420.707	336.566	280.471
40'	2536	63.400	1902.000	951.000	634.000	475.500	380.400	317.000
45'	2536	56.356	1690.667	845.333	563.556	422.667	338.133	281.778
50'	2785	55.700	1726.700	863.350	575.567	431.675	345.340	287.783
55'	2785	50.636	1569.727	784.864	523.242	392.432	313.945	261.621
60'	3471	57.850	1851.200	925.600	617.067	462.800	370.240	308.533
65'	3471	53.400	1708.800	854.400	569.600	427.200	341.760	284.800
70'	6119	87.414	2884.671	1442.336	961.557	721.168	576.934	480.779
75'	6119	81.587	2692.360	1346.180	897.453	673.090	538.472	448.727
80'	6654	83.175	2827.950	1413.975	942.650	706.988	565.590	471.325
85'	6654	78.282	2661.600	1330.800	887.200	665.400	532.320	443.600
90'	7461	82.900	2901.500	1450.750	967.167	725.375	580.300	483.583
95'	7461	78.537	2748.789	1374.395	916.263	687.197	549.758	458.132
100'	7764	77.640	2717.400	1358.700	905.800	679.350	543.480	452.900

AUTHORIZED COSTS**(Costs incurred or shared under this schedule shall apply for work that is to be performed)**

**STRAIGHTENING
in Earth, Item 4
Allocation of Costs
Based on the Price Per Foot Concept**

Pole Size	Authorized Cost	Per Foot Cost	Total Shared \$	2 Owners Shared \$	3 Owners Shared \$	4 Owners Shared \$	5 Owners Shared \$	6 Owners Shared \$
30'	1836	61.200	1530.000	765.000	510.000	382.500	306.000	255.000
35'	1836	52.457	1521.257	760.629	507.086	380.314	304.251	253.543
40'	1894	47.350	1420.500	710.250	473.500	355.125	284.100	236.750
45'	1894	42.089	1262.667	631.333	420.889	315.667	252.533	210.444
50'	2091	41.820	1296.420	648.210	432.140	324.105	259.284	216.070
55'	2091	38.018	1178.564	589.282	392.855	294.641	235.713	196.427
60'	2990	49.833	1594.667	797.333	531.556	398.667	318.933	265.778
65'	2990	46.000	1472.000	736.000	490.667	368.000	294.400	245.333
70'	4355	62.214	2053.071	1026.536	684.357	513.268	410.614	342.179
75'	4355	58.067	1916.200	958.100	638.733	479.050	383.240	319.367
80'	4355	54.438	1850.875	925.438	616.958	462.719	370.175	308.479
85'	4355	51.235	1742.000	871.000	580.667	435.500	348.400	290.333
90'	4355	48.389	1693.611	846.806	564.537	423.403	338.722	282.269
95'	4355	45.842	1604.474	802.237	534.825	401.118	320.895	267.412
100'	4355	43.550	1524.250	762.125	508.083	381.063	304.850	254.042

AUTHORIZED COSTS

(Costs incurred or shared under this schedule shall apply for work that is to be performed)

**TRANSFER COSTS
GUY WIRES**

ITEM

20. Guy wires - transfer (overhead, span, arm, or anchor) including insulators if used:

(a) All types and sizes, each end.....	784
(b) Sidewalk anchor guys (pipe brace and fittings, all sizes).....	920
NOTE: When necessary to relocate a guy insulator, add the following to above cost:	
(c) Insulator relocation.....	783

**TRANSFER COSTS
POWER CIRCUITS**

ITEM

21. Crossarms - raising, lowering, or transferring of all size crossarms whether in flat, vertical, sidearm or triangular configuration, including the insulators:

	Transfer Arm	Transfer Conductor (splicing required)	Transfer Conductor (no splicing)
(a) 0-7.5kv single arm (includes service arm).....	550	471	383
(b) 0-7.5kv double arm.....	786	471	383
(c) 0-7.5kv double arm with reinforcing bracket.....	1213	471	430
(d) 0-7.5kv sidearm - single.....	509	509	440
(e) 0-7.5kv sidearm - double.....	1047	513	425
(f) 7.6-15kv single arm.....	810	879	810
(g) 7.6-15kv double arm.....	810	879	810
(h) 7.6-15kv sidearm - single.....	879	879	810
(i) 7.6-15kv sidearm - double.....	879	879	810
(j) 16-34kv single arm.....	942	871	783
(k) 16-34kv double arm.....	1102	871	783
(l) 16-34kv double arm with reinforcing bracket.....	1531	871	783
(m) 16-34kv sidearm - single.....	810	879	810
(n) 16-34kv sidearm - double.....	1303	912	824
(o) 66-115kv single arm.....	879	879	879
(p) 66-115kv double arm.....	879	879	879
(q) 66-115kv steel arm.....	949	879	879

NOTE: Add Item 24 for bonding cost.

NOTES CONCERNING ITEMS 21 AND 22:

For strain dead ends on arm, omit specified conductor cost and add Item 22. For Close Buck (Smith Corner) construction, cost of transferring corner arm bracing is extra by field agreement. In triangular or vertical configuration, when circuits are of different voltage or different type of conductor support, apply arm cost for higher voltage involved and respective conductor cost according to voltage. Where circuits are of different ownership, the utility transferring arms and its own circuit will apply both costs.

22. Dead ends - on arm or direct to pole, per each dead end, any conductor size:

(a) 0-750 volt secondary.....	413
(b) 750-7,500 volt primary.....	723
(c) 7.6-115kv - 1 or 2 strain insulators.....	1353
(d) 7.6-115kv - 3 or 4 strain insulators.....	1450
(e) 7.6-115kv - 5 or 6 strain insulators.....	1052

NOTE: For dead ends on arm, add the cost of appropriate arm listed under Item 21. Add Item 24 for bonding cost

AUTHORIZED COSTS

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ITEM

23. Changing type of construction – horizontal to vertical, triangular to horizontal, vertical to horizontal, etc.:

(labor cost only - additional arms are extra)

(a) Horizontal to vertical 7.5-115kv single arm, per pole.....	2126
(a1) Triangular to Horizontal 7.5-115kv single arm, per pole	1879
(a2) Vertical to Horizontal 7.5-115kv single arm, per pole	2249
(b) Horizontal to vertical 7.5-115kv double arm, per pole.....	2126
(b1) Triangular to Horizontal 7.5-115kv double arm, per pole	1879
(b2) Vertical to Horizontal 7.5-115kv double arm, per pole	2249

NOTE: Cost of rebonding is included in above prices. Section 1.2 (signed JPA) is required to charge item 23.
edited 11/16/2022

24. Bonding, per pole:

(a) Single circuit - all voltages.....	441
(b) Double circuit - all voltages.....	883

25. Ground wire, including protective covering..... 572

26. Pole top switches (oil or open air):

Price by field agreement Section 1.2 (cost to be estimated and agreed to by field engineers) edited 11/16/2022

27. Racks and brackets, secondary:

(a) Rack, 3 or 4 wire - direct to pole.....	551
plus conductor, each.....	337
(b) Bracket, triplex.....	407
plus triplex conductor.....	348

NOTE: If rack or bracket supports service drops only, omit specified line conductor cost and add Item 28.
If service drops originate from line conductors, Item 28 is additional.

28. Service conductors - transferring, raising or lowering:

(a) #4 conductor of smaller (all service conductors). Edited 11/16/2022	256
(b) Larger than #4 conductor (all service conductors). Edited 11/16/2022	297
(c) Triplex/Quadruplex service conductors. Edited 11/16/2022	256

29. Transformers, including cutouts, heel arm, and lightning arresters (hanger arms or brackets are extra):

(a) 1-1/2 to 25 kva, each.....	2687
(b) 30 to 167 kva, each.....	2933
(c) Mounting brackets, two transformers.....	392

NOTE: Section 1.2 (signed JPA) is required to charge item 29. If two transformers are on the same arm, deduct \$99 from the total; if three transformers are on the same arm, deduct \$246 from the total. Edited 11/16/2022

30. Capacitors and associated equipment:

(a) Capacitor bank, switched.....	6238
(b) Capacitor bank, non-switched.....	4205

31. Street lights:

(a) Center suspension type - span end.....	740
(b) Center suspension type - feed end.....	1110
(c) Goose neck or bracket type - open wire.....	740
(d) Goose neck or bracket type - conduit on pole.....	919
(e) Mast arm type.....	739
(f) Pole top pin and insulator - single.....	367
(g) Pole top pin and insulator - double.....	375

32. Meter or time switch control box: Price by field agreement

33. Supports:

(a) Single insulator, fiberglass.....	293
(b) Double insulator, fiberglass.....	318
(c) Support Triple insulator, fiberglass.....	253
(d) Pole top insulator, fiberglass.....	302

34. Support, single dead end, fiberglass..... 333

AUTHORIZED COSTS

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ITEM

35. Insulator mounting brackets:

- (a) Single (vertical or horizontal)..... 595
- (b) Double (vertical)..... 817
- (c) Single, over 40kv..... 745

36. Steel crossarm, squirrel cage bracket, including insulator:

- (a) Single..... 560
- (b) Double..... 560

37. Double circuit side mount insulators (“Dreyfuss Sunburst”)..... 8883

38. Insulator assembly bracket for endarm mountings..... 768
NOTE: Refer to Item 21 for conductor cost

49. Transferring, raising, or lowering of power line equipment not listed:
Specify under this item number the nature thereof and the agreed cost.

**TRANSFER COSTS
COMMUNICATION CIRCUITS**

ITEM

74. Semi-circular cable guard (“U” guard): transferring..... 363

75. Guardarms - transferring, raising, or lowering, per arm (single/double). Edited 11/16/2022 475

78. Drive hook with wedge grip unit (“P” tie), either single drop wire or multiple drop wire including conductor - up to three wedge grips unit. Edited 11/16/2022. 203

79. Multiple distribution service wire on line pole..... 289

81. “C” rural wire (1 pair) - in line or on dead-end pole. Edited 11/16/2022 282

82. Cable arm with one cable - transferring, raising, or lowering:

- (a) Cable arm w/ 1 cable, transferring, raising, or lowering - Single arm. Edited 11/16/2022 624
- (b) Cable arm w/ 1 cable, transferring, raising, or lowering - Double arm. Edited 11/16/2022..... 723
- (c) Extension arm (“F” or Alley arm)..... 647
- (d) Additional cable (on separate messenger) on same arm..... 640

NOTE: The above prices do not include cable terminals.

83. (a) Cable attached direct to pole – Complete 437
(b) Cable attached (additional work required)..... 448

84. Messenger reinforcing units - strap or link each. Edited 11/16/2022..... 347

85. Messenger without cable - transferring, raising, or lowering: (See Item 82 for transfer of arms)

- (a) Single arm (edited 11/16/2022) 381
- (b) Double arm (edited 11/16/2022) 535
- (c) Extension arm (“F” or Alley arm)..... 514
- (d) Direct to pole..... 489

86. Messenger dead end, all sizes, with or without cable..... 473

87. Cable terminal transfer: (pole to pole, no splicing)

- (a) Distribution cable terminal (25x - 50x)..... 405
- (b) Feeder distribution interface..... 634
- (c) Pole seat or balcony..... 398

88. Multiple distribution wire terminal transfer..... 260

AUTHORIZED COSTS

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ITEM

89. Cable terminal replacement (cost to place new terminal and remove old terminal, including splicing due to replacement of pole at location to which existing terminal cannot be transferred) :	
(a) All types of terminals except Ready Access-25 Pair or less.....	460
(b) Ready Access-24 Pair or less.....	460
(c) Ready Access-24 Pair to 50 Pair.....	407
NOTE- When necessary to use multiple distribution stub, add the following to cost above;	
(d) Multiple distribution stub for Ready Access type.....	360

NOTE-Costs of drop and/or line pair rearrangements and cable transfer are not included in the above prices and are added only when cost of transfer is made applicable under the Routine. For replacement of terminals larger than 50 pair, the cost is to be billed under Item #109.

91. Cable splicing, average cost per splice, per pair:

(a) 18 pair.....	@ 19.28 per pair.....	347
(b) 25 pair.....	@ 13.96 per pair.....	349
(c) 50 pair.....	@ 9.06 per pair.....	453
(d) 100 pair.....	@ 5.66 per pair.....	566
(e) 200 Pair.....	@ 4.21 per pair.....	841
(f) 300 pair.....	@ 3.87 per pair.....	1162
(g) 400 pair.....	@ 3.36 per pair.....	1342
(h) 600 pair.....	@ 3.23 per pair.....	1937
(i) 700 pair.....	@ 3.16 per pair.....	2211
(j) 800 pair.....	@ 3.11 per pair.....	2485
(k) 900 pair.....	@ 2.81 per pair.....	2527
(l) 1200 pair.....	@ 2.99 per pair.....	3582

***Splice enclosure disassemble/re-assemble cost embedded in prices listed above.

***NOTE: if two splices are required, then the above amounts are doubled, plus the cost of the cable needed to enable the splicing process. Installation costs will be called out separately. Section 1.2 to be utilized if costs exceed those called out above.

92. Cable risers, including pipe and molding, each:	381
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93. Underground and terminal facilities:

Where the location of a pole makes reconstruction of cable plant necessary, the engineer is to estimate the cost (exclusive of material) and include same under this item number in the billing. (Section 1.2 by special agreement)

94. Fiber Optic Splicing/Testing:

(a) FUSION	
(1) 24 strand.....	554
(2) 48 strand.....	806
(3) 60 strand.....	932
(4) 72 strand.....	1057
(5) 96 strand.....	1262
(6) 144 strand.....	1744
(7) 288 strand.....	3816
(8) Any size above and beyond by special agreement Section 1.2	

96. Intentionally left blank

97. Transfer meter circuit breaker box/disconnect box	672
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109. Transferring, raising, or lowering of wireless equipment or communication equipment not listed:

Specify under this item number the nature thereof and the agreed cost under Section 1.2.

**INSTALLATION COSTS
GUYS AND ANCHORS**

ITEM

110. Guy wire, complete make-up:

(a) Overhead, span, or arm guy.....	758
(b) Anchor guy.....	714
(c) Cutting-in an insulator in existing guy.....	549
(d) Attaching span guy to interset pole.....	572
(e) Guy guards.....	457

NOTE: Where it is necessary to reattach the guy at pole or anchor end, due to cutting-in an insulator, the cost of relative Sub-Item 20 is to be added.

111. Anchors:

(a) Expanding Plate (Hand Dig).....	1564
(b) Expanding Plate (Truck Access).....	880
(c) PISA (Screw Anchor).....	930
(d) Hydraulically Driven (Mantaray).....	808
(e) Concreting an anchor.....	930
(f) Sale of abandoned anchor to another utility – all sizes.....	678
(g) Existing Anchor Purchase (Rear property).....	1180
(h) Existing Anchor Purchase (Street/alley).....	678

NOTE: Actual size of anchor needs to be noted on JPA along with the appropriate item number for type. Items 111 (g), and (h) are calculated at 70% of Item 111 (a) and (b) respectively.

112. Sidewalk anchor fittings:

(a) 2" pipe brace and fittings.....	585
(b) 2-1/2" pipe brace and fittings.....	604
(c) 3" pipe brace and fittings.....	668
(d) Sale of abandoned pipe brace and fittings to another utility - all sizes.....	503

NOTE: For anchor and rod, include relative Item under 111. For guy wire, include relative Item under 110. For transfer of guy wire or sidewalk fitting see Item 20.

115. Heel/toe bracing pole:

(a) With treated wood blocks, new pole.....	944
(b) With treated wood blocks, existing pole.....	1037
(c) With fiberglass blocks, new pole.....	992
(d) With fiberglass blocks, existing pole.....	1137

116. Breast blocking only, new or existing pole:

(a) With treated wood block.....	931
(b) With concrete block.....	943
(c) With fiberglass block.....	954

119. Installation of special guy equipment not listed:
Specify under this item number the nature thereof and the agreed cost (Section 1.2).

AUTHORIZED COSTS

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INSTALLATION COSTS POWER CIRCUITS

ITEM

120. Crossarms, standard line (pins and insulators are extra):
These are costs for installation or attachment to existing
(For attachment to existing, use arm cost only)

	Wooden Arm	CF Arm	Plus Conductor Each
(a) 0-7.5kv single arm (includes service).....	566	683	436
(b) 0-7.5kv double arm.....	655	968	436
(c) 0-7.5kv double arm with reinforcing brackets.....	1089	1592	436
(d) 0-7.5kv sidearm - single.....	541	740	516
(e) 0-7.5kv sidearm - double.....	834	1147	477
(f) 7.6-15kv single arm.....	740	740	740
(g) 7.6-15kv double arm.....	740	740	740
(h) 7.6-15kv sidearm - single.....	740	740	740
(i) 7.6-15kv sidearm - double.....	740	740	516

	Wooden Arm	CF Arm	16-34KV	66-115KV
(j) 16-115kv single arm.....	791	1098	434	661
(k) 16-115kv double arm.....	1190	1753	683	1031
(l) 16-115kv double arm with reinforcing brackets.....	1765	1903	683	1031
(m) 16-115kv sidearm - single.....	704	740	516	661
(n) 16-115kv sidearm - double.....	1511	1933	724	1031

NOTE: For dead end on arms, omit the specified conductor cost and add Item 123.
 For Close Buck (Smith Corner) construction, the cost of installing corner arm bracing is extra by field Agreement. See Items 122 and 123 for insulator cost and Item 24 for bonding cost.

	Extension Complete	Plus Conductor Each
121. Pole top extensions, including arms (pins and insulators are extra):		
(a) 6 or 7 ft. extension.....	1782	571
(b) 8 or 9 ft. extension.....	3113	401

NOTE: Price for extensions of other lengths to be by field agreement. Where existing conductors are Raised, apply specified conductor cost; the cost of raising pins and insulators in such cases shall not be included. See Item 122 for insulator cost and Item 24 for bonding cost.

122. Insulators, including pins and hardware:	
(a) 0-7.5kV pin type, each.....	360
(b) 11 or 16kV pin type, each.....	452
(c) 34kV pin type, each.....	652
(d) 66kV pin type, each.....	740
(e) 11 and 16kV post type, each.....	454
(f) 34kV post type, each.....	670
(g) 66kV post type, each.....	740
(h) 34 to 115kV suspension (strain) type, each insulator.....	556

AUTHORIZED COSTS

(Costs incurred or shared under this schedule shall apply for work that is to be performed)

ITEM

123. Dead ends, on arm or direct to pole, per each strain dead end:

(a) 0-750 volt secondary.....	370
(b) 750-7,500 volt primary.....	393
(c) 11 or 16kv - 1 strain insulator.....	462
(d) 11 or 16kv - 2 strain insulators.....	462
(e) 34kv - 4/0 conductor or smaller - 2 insulators.....	740
(f) 34kv - 4/0 conductor or smaller - 3 insulators.....	538
(g) 34kv - larger than 4/0 conductor - 3 insulators.....	538
(h) 66 to 115kv - 4/0 conductor or smaller - 4 insulators.....	599
(i) 66 to 115kv - larger than 4/0 conductor - 4 insulators.....	599
(j) 750-7500 volt primary silicone insulators.....	238
(k) 34KV - silicone insulators.....	336

NOTE: Add \$112 for each additional insulator on items (c) to (d). Add \$165 for each additional insulator on items (e) to (f). Add \$180 for each additional insulator on item (g). Add \$313 for each additional insulator on item (h). Add \$313 for each additional insulator on item (i). See Item 120 for cost of arms.

124. Racks and brackets, secondary:

(a) Rack, 3 or 4 wire - direct to pole.....	392
plus conductor, each.....	477
(b) Bracket, Triplex.....	498
plus Triplex conductor, each	484

125. Ground assembly, complete..... 732

NOTE: For secondary neutral ground, this item is to be used only by those utilities that have executed agreements for the installation of grounds.

126. Support:

(a) Single insulator, fiberglass.....	288
(b) Double insulator, fiberglass.....	396
(c) Triple insulator, fiberglass (intentionally left blank)	
(d) Pole top insulator, fiberglass.....	285

127. Support, single dead end, fiberglass..... 269

128. Insulator mounting bracket:

(a) Single (vertical or horizontal).....	590
(b) Double (vertical).....	1181
(c) Single, over 40kv.....	1480

129. Removed per Admin Board meeting 05/19/2021.

130. Removed per Admin Board meeting 05/19/2021.

131. Insulator assembly bracket for endarm mounting..... 1014

132. Mounting bracket:

(a) Two transformers.....	675
(b) Three transformers.....	877

NOTE: Refer to Item 120 for conductor cost.

149. Installation of power line equipment not listed:
Specify under this item number the nature thereof and the agreed cost. (Special agreement Section 1.2)

AUTHORIZED COSTS

(Costs incurred or shared under this schedule shall apply for work that is to be performed)

INSTALLATION COSTS COMMUNICATION CIRCUITS

ITEM

159. Semi-circular cable guard (“U” guard): installation.....	399
160. Crossarms: (For installation or attachment to existing with service wire only)	
(a) Single wood service arm.....	381
(b) Double wood service arm.....	456
(c) Composite Fiberglass arm.....	446
(d) Attach to existing arm.....	No Charge
161. Guard Arms: (For installation or attachment to existing with service wire only)	
(a) Single wood service arm.....	437
(b) Double wood service arm.....	508
(c) Composite Fiberglass arm.....	518
(Rev 01/01/2017)	
163. Drive hook with wedge grip unit (“P” tie), either single drop or multiple drop wire, including conductor:	
(a) Drive hook with one wedge grip unit.....	225
(b) Additional wedge grip units on same hook, each.....	225
164. Cable arm: (For installation or attachment to existing)	
	Wooden CF
(a) Single arm w/ one cable.....	368 364
(b) Double arm w/ one cable.....	368 364
(c) Extension arm (“F” or Alley arm) w/ one cable.....	368 364
(d) Additional cable (on separate messenger) on same arm.....	368
(e) Attach to existing cable arm.....	No Charge
165. Cable attached direct to interset pole, each.....	367
166. Messenger reinforcing units:	
(a) Reinforcing strap, each.....	367
167. Messenger without cable:	
(a) Single arm.....	534
(b) Double arm.....	534
(c) Extension arm (“F” or Alley arm).....	534
(d) Direct to pole.....	534
(e) Additional messenger.....	534
168. Multiple distribution service wire attached to pole or arms.....	370
169. Protective covering - wood or plastic: (Box guard)	
Street light stds. (marbelite or metal), each location.....	275
NOTE: Billing is optional, depending on policy of utility.	
170. Bonding to secondary neutral ground, per pole.....	349
171. Intentionally left blank	
199. Installation of wireless equipment or communication equipment not listed:	
Specify under this item number the nature thereof and the agreed cost under Section 1.2.	