Minimum feeder conductor size and conduit size												
	COPPER						ALUMINUM					
	OVERHEAD			UNDER GROUND			OVERHEAD			UNDER GROUND		
	CU-OH	CU-OH	CU-OH	CU-UG	CU-UG	CU-UG	AL-OH	AL-OH	AL-OH	AL-UG	AL-UG	AL-UG
	OH-EMT	OH-EMT	OH-EMT	UG-PVC	UG-PVC	UG-PVC	OH-EMT	OH-EMT	OH-EMT	UG-PVC	UG-PVC	UG-PVC
	PARALLEL	PIPE	WIRE	PARALLEL	PIPE	WIRE	PARALLEL	PIPE	WIRE	PARALLEL	PIPE	WIRE
Y15		1/2"	4#12 + 1#14		1/2"	4#12 + 1#14		1/2"	4#12 + 1#14		1/2"	4#12 + 1#14
Y20		1/2"	4#12 + 1#14		1/2"	4#12 + 1#14		1/2"	4#10 + 1#14		1/2"	4#10 + 1#14
Y30		1/2"	4#10 + 1#12		1/2"	4#10 + 1#12		3/4"	4#8 + 1#10		1"	4#8 + 1#10
Y40		3/4"	4#8 + 1#10		1"	4#8 + 1#10		3/4"	4#8 + 1#10		1"	4#8 + 1#10
Y50		3/4"	4#8 + 1#10		1"	4#8 + 1#10		1"	4#6 + 1#10		1"	4#6 + 1#10
Y60		1"	4#6 + 1#8		1"	4#6 + 1#8		1-1/4"	4#4 + 1#8		1-1/4"	4#4 + 1#8
Y70		1-1/4"	4#4 + 1#8		1-1/4"	4#4 + 1#8		1-1/4"	4#3 + 1#8		1-1/4"	4#3 + 1#8
Y90		1-1/4"	4#3 + 1#8		1-1/4"	4#3 + 1#8		1-1/4"	4#2 + 1#8		1-1/2"	4#2 + 1#8
Y100		1-1/4"	4#3 + 1#8		1-1/4"	4#3 + 1#8		1-1/2"	4#1 + 1#8		1-1/2"	4#1 + 1#8
Y125		1-1/2"	4#1 + 1#6		1-1/2"	4#1 + 1#6		2"	4#2/0 + 1#6			4#1/0 + 1#6
Y150		2"	4#1/0 + 1#6		2"	4#1/0 + 1#6		2"	4#3/0 + 1#6		2"	4#2/0 + 1#6
Y200		2"	4#3/0 + 1#6		2"	4#2/0 + 1#6		2-1/2"	4#250 + 1#4		2-1/2"	4#4/0 + 1#6
Y225		2-1/2"	4#4/0 + 1#4		2"	4#3/0 + 1#4		2-1/2"	4#300 + 1#4		2-1/2"	4#250 + 1#4
Y250		2-1/2"	4#250 + 1#4		2"	4#3/0 + 1#4		2-1/2"	4#350 + 1#4		3"	4#300 + 1#4
Y300		2-1/2"	4#350 + 1#3		3"	4#300 + 1#4		3"	4#500 + 1#3		3"	4#400 + 1#4
Y400	2x	2x2"	4#3/0 + 1#6	2x	2x2"	4#3/0 + 1#6	2x	2x2-1/2"	4#250 + 1#4	2x	2x2-1/2"	4#250 + 1#4
Y500	2x	2x2-1/2"	4#250 + 1#4	2x	2x2-1/2"	4#250 + 1#4	2x	2x2-1/2"	4#350 + 1#4	2x	2x3"	4#350 + 1#4
Y600	2x	2x2-1/2"	4#350 + 1#3	2x	2x3"	4#350 + 1#3	2x	2x3"	4#500 + 1#3	2x	2x3-1/2"	4#500 + 1#3
Y800	3x	3x2-1/2"	4#300 + 1#4	3x	3x3"	4#300 + 1#4	3x	3x3"	4#400 + 1#4	3x	3x3-1/2"	4#500 + 1#3
Y1000	3x	3x3"	4#400 + 1#3	3x	3x3-1/2"	4#500 + 1#2	3x	3x3-1/2"	4#600 + 1#3	3x	3x4"	4#750 + 1#3
Y1200	4x	4x2-1/2"	4#350 + 1#3	4x	4x3-1/2"	4#500 + 1#3	4x	4x3"	4#500 + 1#3	4x	4x4"	4#750 + 1#3
Y1400	4x	4x3"	4#500 + 1#3	5x	5x3-1/2"	4#500 + 1#3	5x	5x3"	4#500 + 1#3	5x	5x4"	4#750 + 1#3
Y1600	5x	5x3"	4#400 + 1#3	6x	6x3-1/2"	4#500 + 1#3	5x	5x3-1/2"	4#600 + 1#3	7x	7x4"	4#750 + 1#3
Y1800	5x	5x3"	4#500 + 1#3	6x	6x3-1/2"	4#600 + 1#2	6x	6x3"	4#500 + 1#3	8x	8x4"	4#750 + 1#3
Y2000	6x	6x3"	4#400 + 1#3	8x	8x3-1/2"	4#500 + 1#3	6x	6x3-1/2"	4#600 + 1#3	8x	8x4"	4#750 + 1#3
D15		1/2"	3#12 + 1#14		1/2"	3#12 + 1#14		1/2"	3#12 + 1#14		1/2"	3#12 + 1#14
D20		1/2"	3#12 + 1#14		1/2"	3#12 + 1#14		1/2"	3#10 + 1#14		1/2"	3#10 + 1#14
D30		1/2"	3#10 + 1#12		1/2"	3#10 + 1#12		3/4"	3#8 + 1#10		3/4"	3#8 + 1#10
D40		3/4"	3#8 + 1#10		3/4"	3#8 + 1#10		3/4"	3#8 + 1#10		3/4"	3#8 + 1#10
D50		3/4"	3#8 + 1#10		3/4"	3#8 + 1#10		1"	3#6 + 1#10		1"	3#6 + 1#10
D60		3/4"	3#6 + 1#8		1"	3#6 + 1#8		1"	3#4 + 1#8		1"	3#4 + 1#8
D70		1"	3#4 + 1#8		1"	3#4 + 1#6		1-1/4"	3#3 + 1#8		1-1/4"	3#3 + 1#8
D90		1-1/4"	3#3 + 1#8		1-1/4"	3#3 + 1#8		1-1/4"	3#2 + 1#8		1-1/4"	3#2 + 1#8
D100		1-1/4"	3#3 + 1#8		1-1/4"	3#3 + 1#8		1-1/2"	3#1 + 1#8		1-1/2"	3#1 + 1#8
D150		1-1/2"	3#1/0 + 1#6		1-1/2"	3#1/0 + 1#6		2"	3#3/0 + 1#6		2"	3#3/0 + 1#6
D200		2"	3#3/0 + 1#6		2"	3#2/0 + 1#6		2"	3#250 + 1#4		2"	3#4/0 + 1#6
D225		2"	3#4/0 + 1#4		2"	3#3/0 + 1#4		2-1/2"	3#300 + 1#4		2-1/2"	3#250 + 1#4
D250		2"	3#250 + 1#4		2"	3#3/0 + 1#4		2-1/2"	3#350 + 1#4		2-1/2"	3#300 + 1#4
D300		2-1/2"	3#350 + 1#3		2-1/2"	3#300 + 1#4		3"	3#500 + 1#3		3"	3#400 + 1#4
D400	2x	2x2"	3#3/0 + 1#6	2x	2x2"	3#3/0 + 1#6	2x	2x2"	3#250 + 1#4	2x	2x2-1/2"	3#250 + 1#4
D500	2x	2x2"	3#250 + 1#4	2x	2x2-1/2"	3#250 + 1#4	2x	2x2-1/2"	3#350 + 1#4	2x	2x2-1/2"	3#350 + 1#4
D600	2x	2x2-1/2"	3#350 + 1#3	2x	2x2-1/2"	3#350 + 1#4	2x	2x3"	3#500 + 1#3	2x	2x3"	3#500 + 1#3
D800	3x	3x2-1/2"	3#300 + 1#4	3x	3x2-1/2"	3#300 + 1#4	3x	3x2-1/2"	3#400 + 1#4	3x	3x3"	3#500 + 1#3
D1000	3x	3x2-1/2"	3#400 + 1#3	3x	3x3"	3#500 + 1#3	3x	3x3"	3#600 + 1#3	3x	3x3-1/2"	3#750 + 1#3
D1200	4x	4x2-1/2"	3#350 + 1#3	4x	4x3"	3#500 + 1#4	4x	4x3"	3#500 + 1#3	4x	4x3-1/2"	3#750 + 1#3
D1600	5x	5x2-1/2"	3#400 + 1#3	6x	6x3"	3#500 + 1#3	5x	5x3"	3#600 + 1#3	7x	7x3-1/2"	3#750 + 1#3
D2000	6x	6x2-1/2"	3#400 + 1#3	8x	8x3"	3#500 + 1#3	6x	6x3"	3#600 + 1#3	9x	9x3-1/2"	3#750 + 1#3

*Copper for all ground wires.

**Based on CEC requirements.

***More options are available from Voltage Drop Calculator and Transformer Connection Calculator on this website.