



Electric & Water Utilities

Electric System Extension – Rider #3: Standard Available Voltages

The following voltages are available and are considered standard. Other voltages and combinations of minimum and maximum loads will be reviewed at the request of the customer on a case-by-case basis.

<u>END USE</u>	<u>VOLTAGE</u>	<u>PHASE</u>	<u>MIN LOAD <KVA></u>	<u>MAX LOAD <KVA></u>
Residential	120/240	Single	0	0
	120/240	Three	10	500
Commercial	120/240	Single	0	250
	120/240	Three	10	750
	240/480	Single	25	167
	280Y120	Three	75	750
	480Y277	Three	75	2,500
Lg. Commercial/ Industrial	240/480	Three	50	250
	480/277	Three	150	2,500
	480 Delta	Three	300	2,500
	600 Delta	Three	500	3,750
	2400 Delta	Three	1,000	5,000
	2400Y4160	Three	1,000	5,000
	12470Y7200	Three	1,000	10,000
	24900Y14400	Three	1,000	10,000
	69000 Delta	Three	5,000	100,000

NOTES:

1. For service rendered for individual residential use, the voltage variations shall not exceed 5% above or below the standard base voltage (as indicated in the chart above). For example, based on 120 volts, the voltage supplied will range between 114 and 126 at the meter base.
2. For other service classifications, the voltage variations shall not exceed 10% above or below the standard base voltage (as indicated in the chart above).
3. Customers receiving primary and/or sub-transmission service are subject to additional voltage fluctuations caused by regional service limitations on the Bulk Electric System.
4. Delivery voltages provided by PWC are aligned with standards adopted by the North Carolina Utility Commission and American National Standards Institute.

Electric System Extension – RIDER #3 (Rev. 2)

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