

SCE Hierarchy of Materials
TRANSMISSION SYSTEM END PRODUCT

Components	Subcomponents
Pole (If not made of steel or iron)	Assembly and attachment materials (such as: washers, screws, nuts, bolts, clips, fittings, clamps, brackets, fasteners, pins, deadends, plates, ties, couplers, elbows, tees, nipples, bushings, gaskets, o-rings, splices)
	Misc. Encasements (such as: housings, boxes, covers, shelves)
	Misc. Electronics (such as: batteries, antennas, hubs, terminals, splices)
	Misc. Hardware (such as: cutouts, regulators, gauges, strainers, filters, pilots, arrestors, insulators, ball bearings, valves, motors, pumps, actuators, bracers)
	Rod
	Plate
	Thimble
	Guard
	Hook
	Pipe
	Arm
	Cross Arm
	Brace
	Base
	Band
	Block
	Thimbleye
	Sign
	Extension
	Gain
Cover	
Kit	
Pole Step	
Strip	
Wires (Such as Conductor Wires)	
Cable	Connector
	Clamp
Switch	Assembly and attachment materials (see above for examples)
	Misc. Encasements (see above for examples)
	Misc. Electronics (see above for examples)
	Misc. Hardware (see above for examples)
	Insulator
	Guard
	Stud

	Support
	Tubing
	Clevis
	Clip
Vault	Assembly and attachment materials (see above for examples)
	Misc. Encasements (see above for examples)
	Misc. Electronics (see above for examples)
	Misc. Hardware (see above for examples)
	PVC
	Rods
	Ladder
	Couplings
	Racks
	Pump
	Light Fixture
Cabinet	
Meter	
Barometer	
DISTRIBUTION SYSTEM END PRODUCT	
Components	Subcomponents
Pole (If not made of steel or iron)	Assembly and attachment materials (see above for examples)
	Misc. Encasements (see above for examples)
	Misc. Electronics (see above for examples)
	Misc. Hardware (see above for examples)
	Crossarm
	Rack
	Rod
	Plate
	Thimble
	Insulator
	Guard
	Hook
	Deadend
	Pipe
Wires (Such as Conductor Wires or Control Wires)	

Cables (Such as Conductor Cables or Fiber Optic Cables)	
Recloser	Assembly and attachment materials (see above for examples)
	Misc. Encasements (see above for examples)
	Misc. Electronics (see above for examples)
	Misc. Hardware (see above for examples)
Switch	Assembly and attachment materials (see above for examples)
	Misc. Encasements (see above for examples)
	Misc. Electronics (see above for examples)
	Misc. Hardware (see above for examples)
	Insulator
Operator Switch	Assembly and attachment materials (see above for examples)
	Misc. Encasements (see above for examples)
	Misc. Electronics (see above for examples)
	Misc. Hardware (see above for examples)
	Potheads
	Risers
Transmission Towers (If not made of steel or iron)	Same sub components as transmission pole above
Concrete Vaults	Assembly and attachment materials (see above for examples)
	Misc. Encasements (see above for examples)
	Misc. Electronics (see above for examples)
	Misc. Hardware (see above for examples)
	Manhole Cover
	Rod
	Pump
	Blower
	Concrete Manholes
	Concrete Pullboxes
	Cable Racks
	Cable Hooks
	Cutout
	Fuse holder
Cabinet	
Switch	Assembly and attachment materials (see above for examples)
	Misc. Encasements (see above for examples)
	Misc. Electronics (see above for examples)
	Misc. Hardware (see above for examples)

Lightning Arrester	
Transformer	Assembly and attachment materials (see above for examples)
	Misc. Encasements (see above for examples)
	Misc. Electronics (see above for examples)
	Misc. Hardware (see above for examples)
Capacitor Banks	Assembly and attachment materials (see above for examples)
	Misc. Encasements (see above for examples)
	Misc. Electronics (see above for examples)
	Misc. Hardware (see above for examples)
Luminaire	Assembly and attachment materials (see above for examples)
	Misc. Encasements (see above for examples)
	Misc. Electronics (see above for examples)
	Misc. Hardware (see above for examples)
Meter	Assembly and attachment materials (see above for examples)
	Misc. Encasements (see above for examples)
	Misc. Electronics (see above for examples)
	Misc. Hardware (see above for examples)
Circuit Breaker	Assembly and attachment materials (see above for examples)
	Misc. Encasements (see above for examples)
	Misc. Electronics (see above for examples)
	Misc. Hardware (see above for examples)
Switch Gear	Assembly and attachment materials (see above for examples)
	Misc. Encasements (see above for examples)
	Misc. Electronics (see above for examples)
	Misc. Hardware (see above for examples)