
	<b>PG&amp;E-APPROVED ELECTRIC DISTRIBUTION MATERIALS MANUFACTURERS</b>		<b>066211</b>
	<b>Asset Type:</b> Electric Distribution	<b>Function:</b> Design	
<b>Issued by:</b> Michael Thibault (MLTC) 	<b>Date:</b> 03-25-22		
<b>Rev. #26:</b> This document replaces PG&E Document 066211, Rev. #25 For a description of the changes, see Page 4.			

**Purpose and Scope**

This document provides a list of PG&E-approved manufacturers of major materials for use in PG&E's Electric Distribution System.

**Table 1 PG&E-Approved Electric Distribution Materials Manufacturers**

Material	Responsible Engineer	Approved Manufacturer
Arresters	Miguel Plascencia	ABB, Siemens
Barrier Posts	M.L. Thibault	Allwire
Brackets, Overhead	Eduardo Sanchez	Aluma-Form, Chance, Joslyn, Kortick, MacLean
Cable, Primary	Liseth Villareal	Okonite, Prysmian, Southwire <sup>1</sup>
Cable, Aluminum, Secondary	Liseth Villareal	Prysmian (General Cable) <sup>1</sup> , Southwire
Cable, Copper, Secondary	Liseth Villareal	Okonite
Capacitor Controls	Miguel Plascencia	HD Electric, S&C (Energyline)
Capacitor, Overhead	Miguel Plascencia	ABB, Cooper
Capacitor, Pad-Mounted	Miguel Plascencia	Scott Engineering
Conduit, HDPE for Boring	Liseth Villareal	Dura-Line (AD Technologies)
Conduit, Smooth Core Flex	Liseth Villareal	Dura-Line (AD Technologies)
Conduit, PVC Schedule 40 and 80, UL 651, 90°C	Liseth Villareal	Prime Conduits (Carlton Bore-Gard), Certainteed CertaCom
Conduit, PVC Schedule 40 and 80, UL 651, 90°C, Solid Core	Liseth Villareal	Atkore, Ridgeline Pipe Heritage, Prime (conduit), JM Eagle, Cantex
Conduit, PVC Schedule 40, Cellular Core	Liseth Villareal	Atkore (Rocky Mountain)
Conduit, Steel	Liseth Villareal	Allied, Western Tube
Conduit Fittings, Steel	Liseth Villareal	Picoma, Shamrock
Conductor, Overhead, AWAC Neutral Only	Genet Mengistu	Prysmian (General Cable) <sup>1</sup> , Southwire
Conductor, Overhead Covered Tree Wire	Genet Mengistu	Southwire, Taihan, Hendrix <sup>4</sup>
Connectors, Overhead, Automatic Splice <sup>3</sup>	Genet Mengistu	Blackburn, Fargo, Reliable
Connectors, Overhead, Compression Splice	Genet Mengistu	Alcoa, Blackburn, Burndy, Homac, Hubbell, Nicopress
Connectors, Overhead, Tap Clamp	Genet Mengistu	Hubbell, Maclean
Connectors, Overhead, Wedge Tap	Genet Mengistu	TE Connectivity (AMP)
Connectors, Underground, Compression, Splice	Liseth Villareal	Blackburn, Burndy, Homac, Hubbell, Kearney, Penn Union
Connectors, Underground, Pin Terminal	Liseth Villareal	Homac
Connectors, Underground, Secondary Multi-Tap Bars	Liseth Villareal	Blackburn, Homac

## PG&E-Approved Electric Distribution Materials Manufacturers

**Table 1 PG&E-Approved Electric Distribution Materials Manufacturers (continued)**

Material	Responsible Engineer	Approved Manufacturer
Connectors, Underground, Slip-Fit Transformer Secondary Bars	Liseth Villareal	Homac, Utilco
Connectors, Underground, Shearbolt	Liseth Villareal	TE-Connectivity
Connectors, Underground, Spade Terminals	Liseth Villareal	Burndy, Dossert, Homac
Connectors, Underground, Split-Bolt	Liseth Villareal	Blackburn, Burndy, Penn Union
Cutouts	Mike Lee	MacLean, Hubbell, S&C
Dead-Ends, Overhead	Eduardo Sanchez	EMC, Hubbell
Disconnect	Mike Lee	Eaton-Cooper
Elbows, 200 Amp	Liseth Villareal	Eaton-Cooper, Elastimold
Elbows, 600 Amp, Epoxy CP, and RTP	Liseth Villareal	Eaton-Cooper, Elastimold, Richards,
EPDM CP and RTP	Liseth Villareal	Elastimold, Richards
Enclosure, Frames and Covers	Calvin Yu	Madruga Iron Works, Jensen Precast, Oldcastle Precast (Utility Vault)
Enclosure, Primary – Box, Concrete	Calvin Yu	Jensen Precast, Oldcastle Precast (Utility Vault), Mid-State Concrete
Enclosure, Primary – Sectional Box, Concrete	Calvin Yu	Oldcastle Precast (Utility Vault)
Enclosure, Primary – Sectional Box, Non-Concrete	Calvin Yu	Hubbell (Strongwell/Quazite)
Enclosure, Secondary – Box, Concrete	Calvin Yu	Jensen Precast, Oldcastle Precast (Utility Vault)
Enclosure, Secondary – Box, Polymer-Concrete	Calvin Yu	Hubbell (Strongwell/Quazite), Armorcast, New Basis
Enclosure, Secondary – Pedestal	Calvin Yu	Armorcast, New Basis
Fault Indicator – Overhead	Vernal Garcia	Horstman/Power Delivery Products, SEL (Schwertzer)
Fault Indicator – Underground	Vernal Garcia	Horstman/Power Delivery Products
Fuses	Mike Lee	Chance, Combined-Tech, Eaton-Cooper, Hi-Tech, Kearny, S&C
Fuse Saver	Vernal Garcia	Siemens
Ground Rods	M.L. Thibault	Calpico, Eritech, Galvan, Nehring
Insulators, Dead-End, Silicon	Eduardo Sanchez	K-Line, MacLean, Salisbury, Advanced Rubber
Insulators, Line	Eduardo Sanchez	NGK, Porcelain Products, Victor, Hendrix, Preformed
Insulators, Standoff	Eduardo Sanchez	S&C
Interrupter – Pad-Mounted (In-Out)	Ryan Kowdley	Madruga, Elastimold
Interrupter – Pad-Mounted (Multi-Way)	Ryan Kowdley	ISG, Elastimold
Interrupter – Subsurface, 200 Amp	Ryan Kowdley	Trayer, Elastimold
Interrupter – Subsurface, 600 Amp	Ryan Kowdley	Trayer
Interrupter – Vault-Mounted	Ryan Kowdley	Elastimold, G&W
Junctions, Primary – Pad-Mounted	Ryan Kowdley	Madruga
Junctions, Primary – Subsurface	Ryan Kowdley	Elastimold (bus), Inertia (bracket)
Pad, Box, Interrupter	Ryan Kowdley	New Basis, Hubbell
Pad, Capacitor	Miguel Plascencia	Jensen Precast, Teichart Brooks, Oldcastle Precast (Utility Vault)
Pad, Flat, Interrupter	Ryan Kowdley	Hubbell
Pad, Flat, Primary Junction	Ryan Kowdley	Hubbell, Oldcastle
Pad, Flat, Switch and Fuse	Ryan Kowdley	Oldcastle Precast (Utility Vault), Jensen

## PG&E-Approved Electric Distribution Materials Manufacturers

**Table 1 PG&E-Approved Electric Distribution Materials Manufacturers (continued)**

Material	Responsible Engineer	Approved Manufacturer
Pad, Transformer, Box	M.L. Thibault	Armorcast, CDR, New Basis, Strongwell/Quazite
Pad, Transformer, Concrete	M.L. Thibault	Jensen Precast, Mid-State Concrete, Structure Cast, Teichart Brooks, Oldcastle Precast (Utility Vault)
Photocontrol, Streetlight <sup>2</sup>	Maylen Yue	ALR, DTL, Fisher Pierce, Sun-Tech
Poles, Wood, Distribution (taller than 35 feet)	Richard Kauzer	McFarland Cascade, Stella-Jones
Poles, Wood, Service	Richard Kauzer	Koppers, McFarland Cascade, Nevada Wood Preserving, Thunderbolt Wood Treating, Stella-Jones
Pulling Lubricant	Liseth Villareal	Dura-Line (Arnco), Polywater
Pulling Tape	Liseth Villareal	Dura-Line (Arnco), Herculine, Nepco, Wellington, Milliken
Recloser	Vernal Garcia	G&W
Recloser Controller	Vernal Garcia	Beckwith
Regulator, Voltage	Miguel Plascencia	Cooper, Howard Industries
Retaining Wall	Calvin Yu	Jensen Precast, Oldcastle Precast (Utility Vault)
Sectionalizer	Mike Lee	Eaton-Cooper
Splices, UG Insulated, Primary	Liseth Villareal	Elastimold, 3M, TE Connectivity (Raychem)
Cold-shrink Y and H Splices, UG Insulated Primary	Liseth Villareal	Richards, TE Connectivity
Splices, UG Insulated, Secondary	Liseth Villareal	3M
Switches, Controllers, Overhead, SCADA	Mike Lee	S&C
Switches, Controllers, Underground, SCADA	Ryan Kowdley	S&C, Trayer
Switches, Fused – Pad-Mounted	Ryan Kowdley	S&C
Switches, Fused – Subsurface	Ryan Kowdley	ABB, Trayer
Switches, Overhead, Manual	Mike Lee	Eaton-Cooper, Inertia, S&C
Switches, Pad-Mounted	Ryan Kowdley	S&C
Switches, Subsurface 200 Amp, Manual	Ryan Kowdley	Trayer, ISG, Elastimold
Switches, Subsurface 600 Amp, Manual	Ryan Kowdley	Trayer, ISG
Switches, Vault-Mounted	Ryan Kowdley	Elastimold, G&W, ISG, Trayer
Termination, Silicone Cold Shrink	Liseth Villareal	3M, TE Connectivity (Raychem)
Transformer, Potential, Dry-Type, Outdoor Overhead	M.L. Thibault	ABB, GE
Transformer, Potential, Dry-Type, Submersible	M.L. Thibault	ABB, Artech
Transformer, Potential, Liquid-Filled, Outdoor Overhead	M.L. Thibault	ABB, Howard
Transformers, Single-Phase Overhead	M.L. Thibault	Howard Industries, Power Partners
Transformers, Single-Phase Pad-Mounted	M.L. Thibault	ABB, Howard Industries
Transformers, Single-Phase Subsurface	M.L. Thibault	ABB, Howard Industries, Power Partners
Transformers, Single-Phase Subway	M.L. Thibault	ABB, Howard Industries
Transformers, Three-Phase Network, Dry-Type	M.L. Thibault	ABB
Transformers, Three-Phase Network, Liquid Filled	M.L. Thibault	ABB, GE, Carte
Transformers, Three-Phase Overhead	M.L. Thibault	Howard Industries, Power Partners
Transformers, Three-Phase Pad-Mounted	M.L. Thibault	ABB, Cooper, Howard Industries,
Transformers, Three-Phase Subsurface	M.L. Thibault	ABB, Howard Industries

## PG&E-Approved Electric Distribution Materials Manufacturers

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**Table 1 PG&E-Approved Electric Distribution Materials Manufacturers (continued)**

- <sup>1</sup> Manufacturer approved for option 2 market only.
- <sup>2</sup> Fully electronic, utility grade, meeting ANSI C136.10 requirements, turn on at  $1.0 \pm 0.2$  foot candle (fc), turn off at  $1.5 \pm 0.3$  fc.
- <sup>3</sup> For AWAC neutral only.
- <sup>4</sup> Approved for 1/0-6/1 ACSR TW only.
- <sup>5</sup> Approved ONLY fo Power Interconnection Hub (PIH) Installations (refer to Table 46 in [Document 066201](#) Revision 27 or later) and 3.3MVA Transformers (Reference [Document 072146](#)).

### Notes

1. This document may be updated between Greenbook publishing. Contact your local PG&E representative to obtain the latest version.
2. Each approved manufacturer does not necessarily supply all of the approved variations in each commodity.
3. New Basis is the parent company of Associated Plastic Products and Associated Concrete International.

### Revision Notes

Revision 26 has the following changes:

1. Updated Table 1 Page 1 and Page 3 to current approved manufacturers.