

# SS Southern States

*The Relentless Pursuit of Innovation.*

"We are excited to announce that Southern States is the first company within the utility industry to pass the seismic requirements as defined by IEEE693-2018. Our EC-1 and EC-2 center break disconnect switches qualified to the high performance level (1.0 g), roughly equivalent to an 8.0 Richter Scale earthquake. This tremendous accomplishment illustrates our continuous commitment to quality and customer service. We are excited to once again provide solutions, not just products to our customers."

Joey Calderon  
National Sales Manager  
Phone: 770-946-4562 Ext. 139  
Email: j.calderon@southernstatesllc.com

## FEATURED PRODUCTS:

- EC-1 Center Break Switch
- EC-2 Center Break Switch
- TV-70 Ground Switch

## LOCATION:

- Northern California

## PARTNERS:

- PPC INSULATORS
- WRK ENGINEERS

## News **SOUTHERN STATES PASSES AN IMPORTANT SEISMIC TESTING MILESTONE**

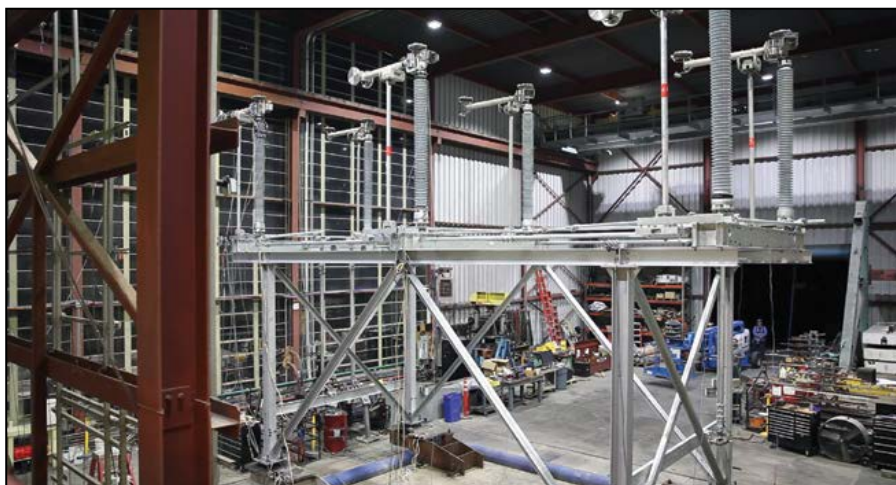
Southern States recognizes the importance of producing quality, durable, and reliable products, particularly for utilities who operate in areas at high risk for seismic activity. Partnering with PPC Insulators and WRK Engineers, Southern States was able to complete the first ever seismic qualification in compliance with IEEE693-2018 for two models of its center break switches.

### EC-2 & EC-1 Center Break Disconnect Switches Qualified To High Performance Level (1.0 g)

- Roughly equivalent to 8.0 Richter Scale earthquake
- Utilized high strength 1050 kV BIL insulators
- Withstood consecutive seismic activity in all three operating positions
- Qualified using Southern States' TV-70 (245 kv, 1050 kV BIL, 75 kA short-time) grounding switch

### Ratings:

- 245 kV / 1050 kV BIL / 4000 A



EC-2 (open) with TV-70 Ground Switch (closed)

# Our Partners

## PPC Insulators



- Technology leader and manufacturer of electrical porcelain insulators
- Isostatic production provides consistent quality with high strength to weight ratios
- Offered technical support throughout the seismic testing process

## WRK Engineers



- Expert knowledge & experience with power utilities and equipment manufactures
- Active members on seismic standards committees (IEEE693)
- Ensured equipment was earthquake resilient using analysis and testing methods

# Southern States Featured Products

## EC-2



### Features:

- Aluminum shunt hinge design improves reliability and customer value at higher continuous currents
- Suitable for horizontal upright, vertical, or underhung mounting at most ratings
- Aluminum shunts are end welded, ensuring every lamination is welded into the current path

### Ratings:

- 38 - 362 kV / 3000 A - 4000 A

## EC-1



### Features:

- Aluminum live part construction with silver to silver contacts
- Suitable for horizontal upright, vertical, or underhung mounting at most ratings
- Easy and fast installation and adjustment
- Square blade construction

### Ratings:

- 38 - 362 kV / 1200 A - 5000 A

## TV-70



### Features:

- Low pressure copper jaw contacts
- Maintenance free
- Double motion hinge reduces operator effort, locking the blade tip into the jaw for superior fault and seismic duty performance
- Aluminum blade and copper blade tip

### Ratings:

- 123 - 362 kV / 75 kA Short Time / 195 Peak