

Southwest Tennessee Electric Membership Corporation Morris 161 kV Substation Brownsville, Tennessee



FISHER ARNOLD

PROJECT LOCATION: 1009 E Main Street, Brownsville TN 38012
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Southwest Tennessee Electric Membership Corporation, is a consumer-owned non-profit electric distribution cooperative that provides electric service to parts of Chester, Crockett, Fayette, Hardeman, Haywood, Henderson, Madison and Tipton Counties. Of the 22 electric cooperatives in the state, Southwest, with over 46,000 consumer and approximately 3,600 miles of line, ranks sixth with respect to number of customers and seventh with respect to miles of line, and is the largest electric cooperative in West Tennessee.

STEMC engaged Fisher Arnold to prepare plans and specifications, and provide construction administration for the rebuild and utility scale PV Solar Interconnection of the 161/12.47 kV Morris Substation in Brownsville, Tennessee.

The Morris Substation was designed with 50 MVA of transformation capacity, 3 161 kV circuit switchers, 4 distribution feeders, and relay overcurrent designs for the purpose of interconnecting a 20 MW photo-voltaic solar farm constructed by Silicon Ranch with the TVA 161 kV bulk electric system.

