

Restoration of Corrosion-Damaged Columns Using PileMedic™

A Patent-Pending Technology Developed by QuakeWrap, Inc.

- These columns support existing transmission lines in an operating substation, and replacement or traditional repair was impossible without a temporary shutdown of the substation and disruption to the local grid.
- The rehabilitation of over 70 columns was completed in 5 working days, with the lines and towers continuing to operate normally throughout the period of repair, and with no need for electrical shutdowns, switch-overs, or other interruptions to normal service and operations of the substation.



Corrosion-damaged column



Cut an opening at 30-inch above grade



Fill the inside of the column with grout



Weld reinforcing bars to base plate (if required)



Cut a piece of PileMedic™, apply epoxy & wrap ...



... around the column to create a 36-inch high shell



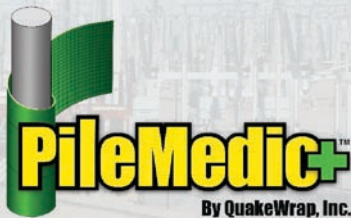
Hold shell together w/ ratchet straps & insert drain pipe



Fill the annular space with grout & vibrate



Remove ratchet straps & paint jacket (if desired)



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