

CASE STUDY

Utilities & Power



Project Specs

Location: Franktown, Colorado
Application: Transformer Substation Sump Cover
Product: Fibergrate's T5020 Safe-T-Span® Pultruded Grating

Overview

Western United Electric Supply Company began servicing the needs of electric cooperatives in 1976. Western United Electric is “the largest single house electric utility distributor in the nation,” and is owned by thirty-seven electric cooperatives found in the Rocky Mountain region of the United States. W.E.S.T. (Western Electric Substation Transmission), a department of Western United, is a full-line substation transmission distribution packager.

Problem

Intermountain Electric was in search of a product that would be weather and slip resistant for use on transformer substations. The material would be used as a sump cover at the substation, covering cables and other equipment. Intermountain Electric wanted a product that could be removed easily in order for workers to safely access the hidden equipment found beneath the substation.

Solution

Fibergrate's T5020 Safe-T-Span® pultruded grating was chosen for installation on the transformer substation. Intermountain Electric had not used FRP for this type of application before and was pleased with the low maintenance and slip resistant features that Fibergrate's grating provided. The aesthetics of the grating used for the application also exceeded the expectations of both Western United Electric and Intermountain Electric. In addition, Fibergrate's lightweight properties allowed for easy removal of the grating when a single worker may be on the site performing equipment maintenance. The opening between the grating bars also allows air to circulate throughout the underground equipment and cables. For electrifying results call Fibergrate, we can provide powerful solutions for any type of application.



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