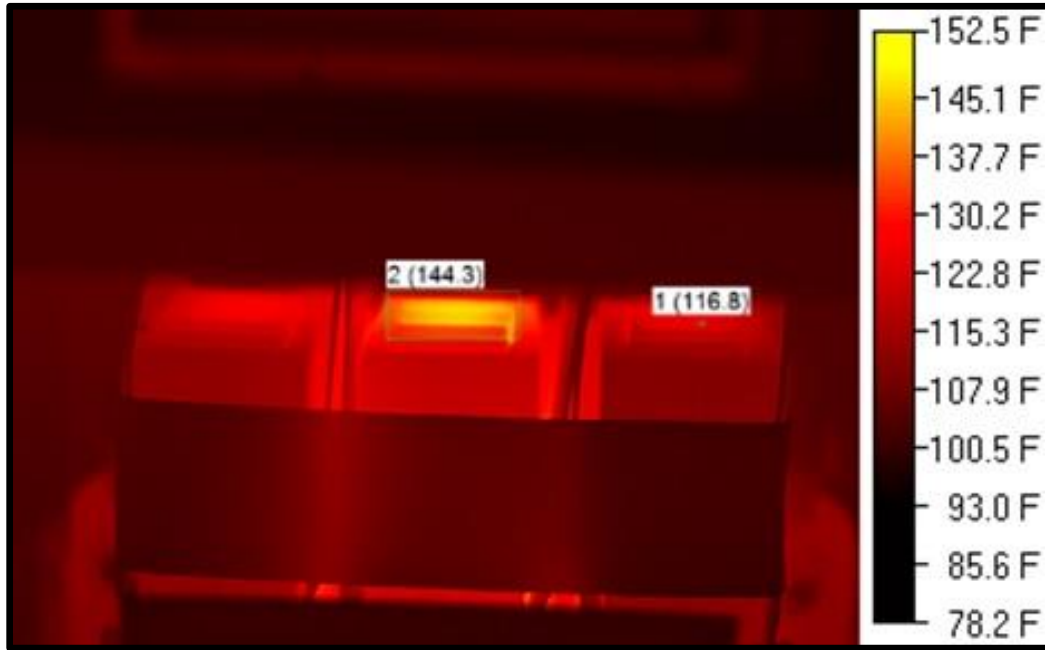


IR Case Study

LA-1600 Group
Breaker

900 - 1,000 Amps

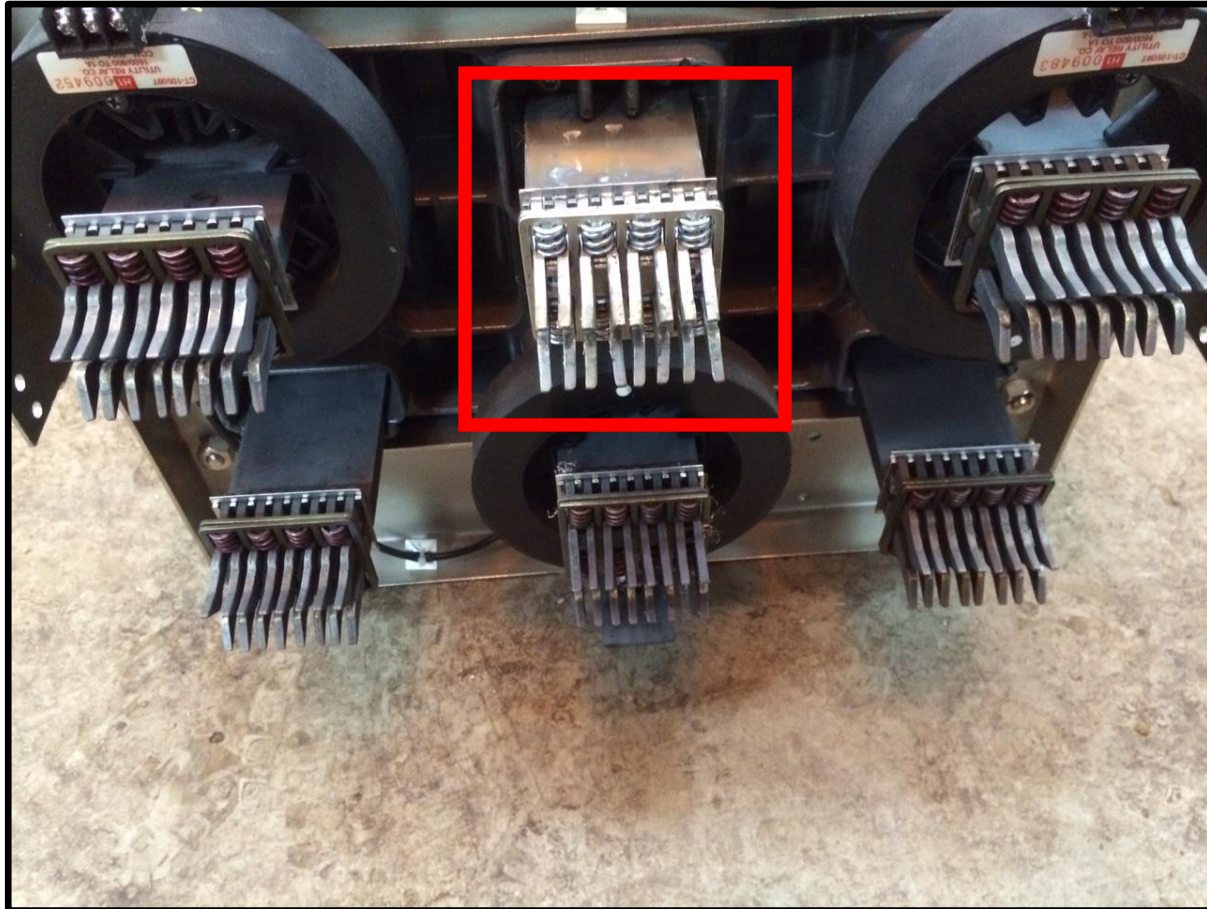
B-Phase Arc Shoot had
a ΔT of 28°F



IR Case Study

B-Phase showed a significant amount of heat discoloration on the line side pole projection.

Noted that finger cluster was plated, which would damage the springs

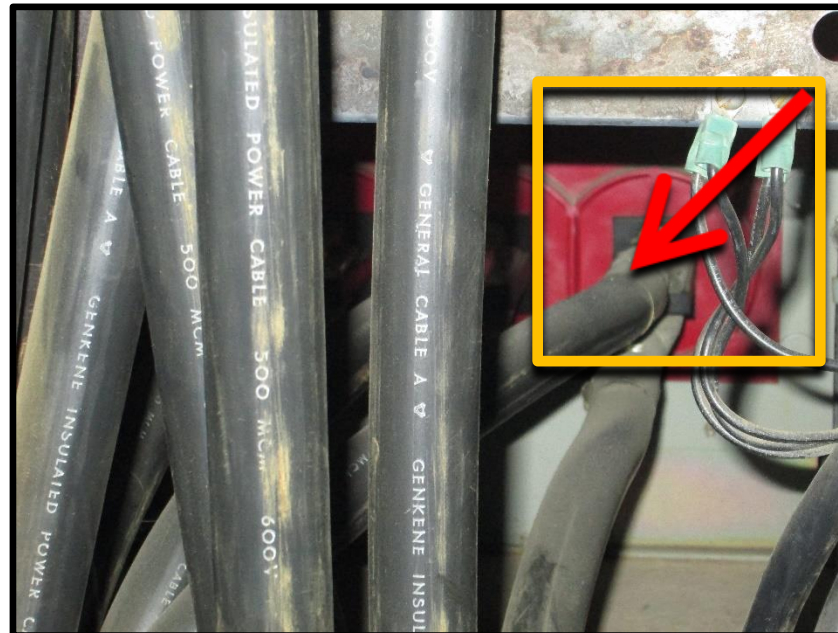
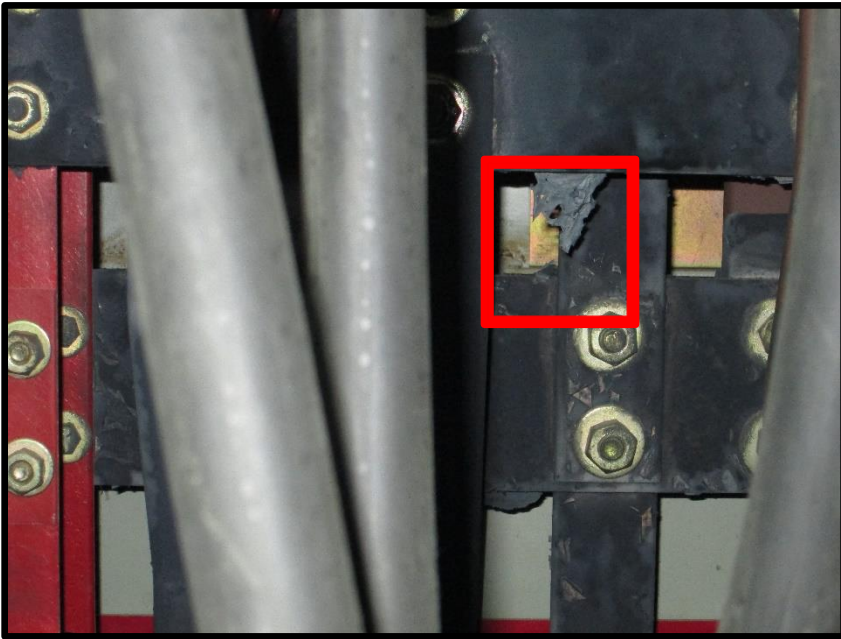


IR Case Study

Buss Bars had severe scaling and flaking

Metallic Dust buildup noted on wiring insulation

H₂S Gas @ 2.3 ppm



IR Case Study

This breaker powered the plant site's wastewater process

If this area loses power, the entire plant site must be shut down

Plant site previously lost a group breaker in this process area due to a catastrophic failure that resulted in an arc flash.

32 hours of unplanned downtime

That incident cost the plant site approximately **\$1.2 million** in lost production, parts, and labor

IR Case Study

Infrared Thermography saved the plant site hundreds of thousands of dollars in repairs and lost production

Helped to avoid an arc flash from occurring

Avoided the potential injury if a catastrophic failure occurred