

# Project Need



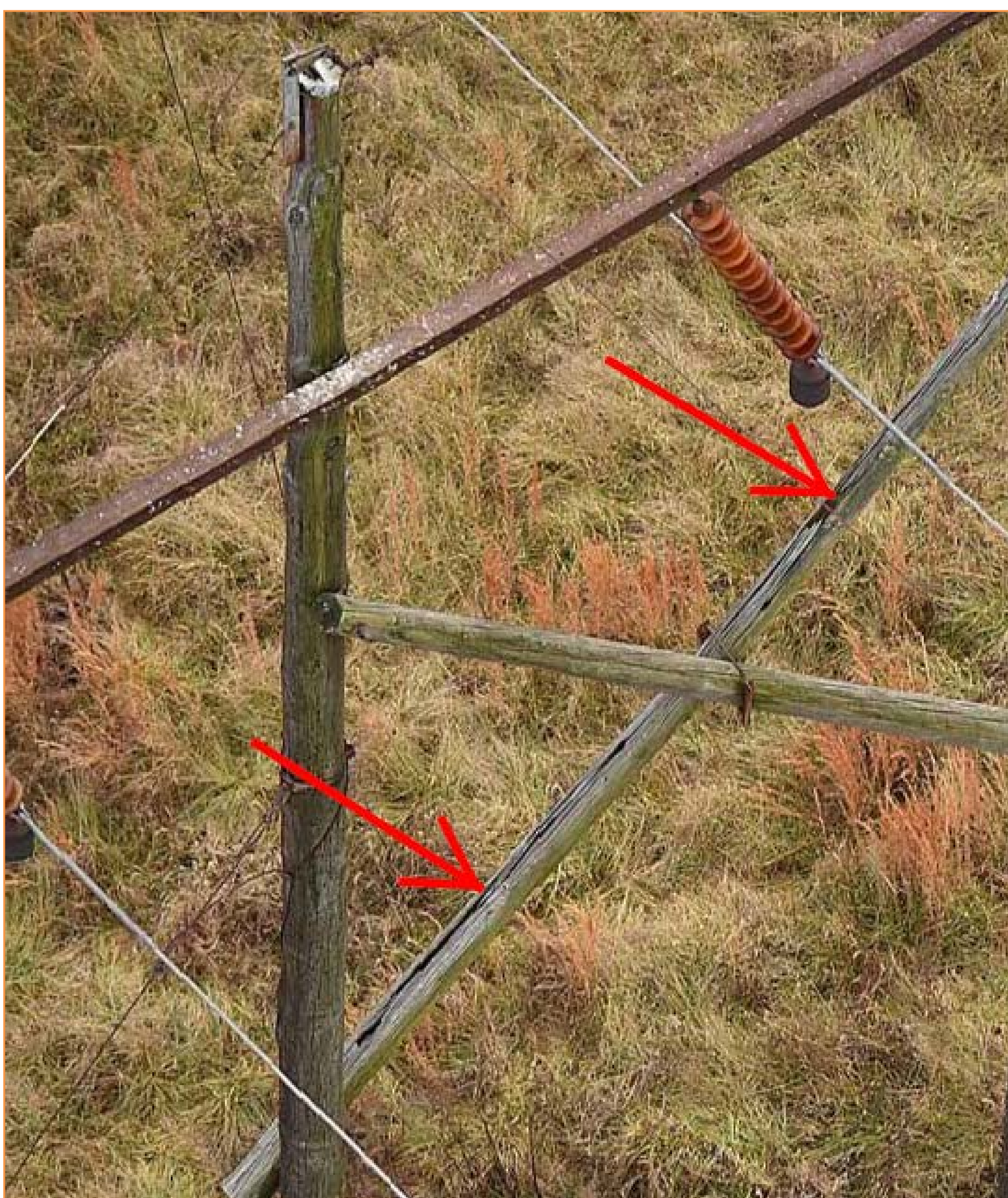
## Reliability Concerns & Drivers

Rebuild is necessary to resolve identified capacity violations of the North American Reliability Corporation Reliability Standards.

- Generation Deliverability Violations beginning in 2020 identified in 2016

Approximately 21 miles of single circuit 230 kV transmission line between Chesterfield–Lakeside Substations is at end of its service life.

- Wooden structures were Installed in the late 1950s
- Transmission wire and static (shield) wire are at the end of useful life



## Proposed Solution

In order to maintain structural integrity and reliability, Dominion Energy is proposing to rebuild the existing transmission lines and replace fiber.

- Located entirely within existing right of way
- Proposed weathering steel to match replaced poles
- Partial co-location with another transmission line
- Rebuilding to current industry standards
- Target completion date: **June 1, 2020**