



RET Model – Data Used to Revise RET Score

Distribution Overhead Conductor Secondary Risk score change:

- Current P95 scenario identifies a third party or employee fatality (Safety impact of 6) with a frequency score of 4 (once every 3-10 years)
- PG&E has had 1 employee fatality from 2000 to 2014 that was associated with secondary conductor
- Third party and employee fatality data supports a frequency change to 3 (once every 10-30 years)

EO Ref #	Risk Name	Risk Definition	Scenario Evaluated (P95)	Safety	Environ.	Compliance	Reliability	Trust	Financial	Freq. Score	Risk Score
EDOH5	Distribution Overhead Conductor Secondary	Failure of or contact with, energized electric distribution secondary conductor may result in public or employee safety issues, fire, or significant property damage	A third party or employee working on or near a secondary overhead conductor makes contact with energized secondary resulting in a fatality	6	1	3	2	3	4	Current	4 310
										Proposed	3 235



Data Collected in Low Frequency, High Consequence Events

Wires-Down Database - Data collected by engineers through site visits after a wire down event

Data used now to develop work plans – could be used in future risk models

Basic Outage Info	Basic Asset Info	Event Specific Info	Field Collected Info	Loading, Fault Duty Information
<ul style="list-style-type: none"> • Outage Number • Division • Outage Date • Event Log # • Circuit • Customer Interruptions • Customer Minutes • Weather Condition • Major Event Day? • Basic Cause • Supplemental Cause • Equipment ID • Equipment Type • Equipment Involved • Equipment Condition • Source Side Protection Type • Source Side Protection Device 	<ul style="list-style-type: none"> • Wire Size • Wire Type • Corrosion Zone • Snow Loading Area • Year Installed • # of Phases • DPA Designation Rural vs Urban/ Suburban 	<ul style="list-style-type: none"> • Downed Wire Energized? • # Past Wire on Ground Outages in last 3yr • If Energized=Yes: Wire was on ground: • If Energized=Yes: Wire was Surface: • If Energized=Yes: SGF setting installed? • IF SGF installed=Yes: Lockout by SGF? 	<ul style="list-style-type: none"> • Max splices individual phase • Total # splices in span (all phases) • Compression Splice • Automatic Splice • Unknown Splice • Other Splice • Span Length • Source-Side Pole Framing • Load-Side Pole Framing 	<ul style="list-style-type: none"> • I2t Review • Normal Peak Loading • Normal Conductor Capability • Fault Duty Symmetrical