

Event Analysis

Internal Vetting of Events

September 30, 2015



Southwest Outage

- A system disturbance that occurred on the afternoon of **September 8, 2011** in the Pacific Southwest, which resulted in **cascading outages** and left approximately **2.7 million customers (equivalent to five million or more individuals) without power**, some for multiple hours extending into the next day. The total load loss for the event was in **excess of 30,000 MWh**. The event started with a three-phase fault which led to the loss of APS's Hassayampa-N. Gila 500 kV transmission line (H-NG). This transmission line is a segment of the Southwest Power Link (SWPL), a major transmission corridor transporting power in an east-west direction, from generators in Arizona, through the service territory of Imperial Irrigation District (IID), into Southern California.

Southwest Outage Penalties

- July 7, 2014 – Arizona Public Service Company (APS)
- APS agrees to pay a civil penalty of **\$3,250,000**, of which \$2,000,000 will be paid to the United States Treasury and NERC, divided in equal amounts, and **\$1,250,000 will be invested in reliability enhancement measures that go above and beyond mitigation of the violations and the requirements of the Reliability Standards.** APS also agrees to commit to mitigation and compliance measures necessary to mitigate the violations described in this Agreement, and to make semi-annual compliance reports to Enforcement and NERC for at least one year.

Southwest Outage Penalties: \$37,900,000

- August 7, 2014 – Imperial Irrigation District (IID)
 - \$12,000,000
- October 21, 2014 – Southern California Edison Company (SCE)
 - \$650,000
- November 24, 2014 – Western Area Power Administration – Desert Southwest Region (Western-DSW)
 - \$0
 - Western-DSW agrees to commit to mitigation and compliance measures necessary to mitigate the violations described in the Agreement, and to make semi-annual compliance reports to Enforcement and NERC for at least one year

Southwest Outage Penalties: \$37,900,000

- November 28, 2014 – California Independent System Operator Corporation (CAISO)
 - \$6,000,000
- May 26, 2015 – Western Electricity Coordinating Council (WECC), and Peak Reliability (Peak)
 - \$16,000,000
- Total penalties:
\$37,900,000 (US Treasury and NERC -\$10,250,000)

RCWG Event Analysis Task Force

- Work with SPP Event Analysis Working Group (EAWG)
- Current Tasks
 - Develop a compliance assessment template associated with Event Categories
 - Share best practices and lessons learned with redacted information, if the event information is still useful
 - Discuss with entities at the Forum, how they vet events internally, and share processes
- Please join us for the Task Force Meetings!

Internal Vetting of Events



Please share your processes!

