

September 2, 2020, 9:00 a.m. to 10:00 a.m.

- 1. Welcome, Call to Order, Introductions—Greg Park, NWPP**
- 2. Review WECC Antitrust Policy—James Hanson, WECC**

[WECC Antitrust Policy.](#)

Please contact WECC legal counsel if you have any questions.

- 3. Approve Agenda**
- 4. Review and Approve Previous Meeting Minutes**

Approval Item: August 5, 2020 minutes. Emailed out August 25, 2020

- 5. Review Responses and Action Items from Open Events—James Hanson, Greg Park**

2020-04-11 Category 1a

Entity operators were restoring bus #4 at one of their substations and commissioning a new bay position for a Cap bank CB 10H366. Two SCADA close attempts were made to place the Cap bank CB 10H366 in service. Both attempts resulted in the breaker tripping back out. When a third SCADA close was attempted a line to ground fault was detected by one of the substations 345 kV line relays. Relays detected the fault 100 miles from this substation and 64 miles from the far end of the line. Line relays at both stations responded and tripped their local line breakers, however, Unit 4 bus breaker CB 10H354 tripped too. Two minutes later, the bus 4 differential operated, and units 3 and 4 tripped offline.

6. Review New Events Since Previous Meeting—James Hanson, Greg Park

2020-07-07 Category 1i

A broken static wire caused line faults on two 230 kV circuits on a double circuit tower. In response to this line fault, there was a loss of approximately 900 MW of inverter based resources in the general area. Some of this generation was lost due to momentary cessation settings, and started injecting current back to the system after a short duration. Other resources experienced a complete trip, and remained off for much longer.

2020-07-07 Category 1a

An entity was switching a reactor out of service. During the switching, a fault occurred and caused the associated 345 KV line to trip at both ends. Concurrent with this line trip, breakers at two additional stations tripped, resulting in two additional lines being removed from service (one 345 KV line and one 230 kV line). It was determined during the investigation that the fault was a flashover between the reactor breaker and its disconnect switch.

2020-07-27 Category 1a

PRC-005 maintenance testing was being performed at a substation. A relay technician was simulating inputs and outputs on a generating unit's relays and applied an input signal. This input is used by the entity's RAS equipment as a breaker fail back-up to the direct breaker trips. The relay that the input signal was applied to was not properly isolated so the breaker failure logic was picked up, timed out, and tripped the Bus Section 2 Lockout Relay (LOR). All 230kV power circuit breakers (PCBs) connected to bus section 2 were tripped. This action, combined with a line out for maintenance initiated a RAS action which properly tripped 444 MW of generation.

2020-08-01 Category 1h

Operations personnel in Entity's primary/staffed control center experienced an issue with the Energy Management System (EMS) which affected both the primary and secondary systems. Data on the EMS appeared stale with no telemetry. The outage affected secondary systems, as well as all transmission RTUs, which removed the ability to monitor or control from both primary and backup control centers.



The entity quickly assembled a restoration team comprised of EMS staff, IT staff, and Network Operations. The entity staff restarted their EMS application in attempt to regain visibility and control. The first restart attempt was successful, however, the EMS was experiencing instability and remained unresponsive. Their second attempt to restart the EMS application successfully remained online but there were latency issues with RTU and network communications, which resulted in System Operators being unable to monitor and control the EMS.

7. Review Upcoming Meetings

- October 7, 2020Webinar
- November 4, 2020Webinar
- December 2, 2020Webinar

8. Adjourn

