



# OC/EPAS Update to GOWG

Tim Reynolds

Mgr., Event Analysis and  
Situation Awareness

# OC Activities

---

- Changing Resource and load mix
- Monitoring operation of the Reliability Coordinators
- Extreme Natural Events
  - Wildfire data request
- Grid Forming Inverter-Based Resources Workshop
- Resource Adequacy
- Path Taskforce

\*Not a complete list

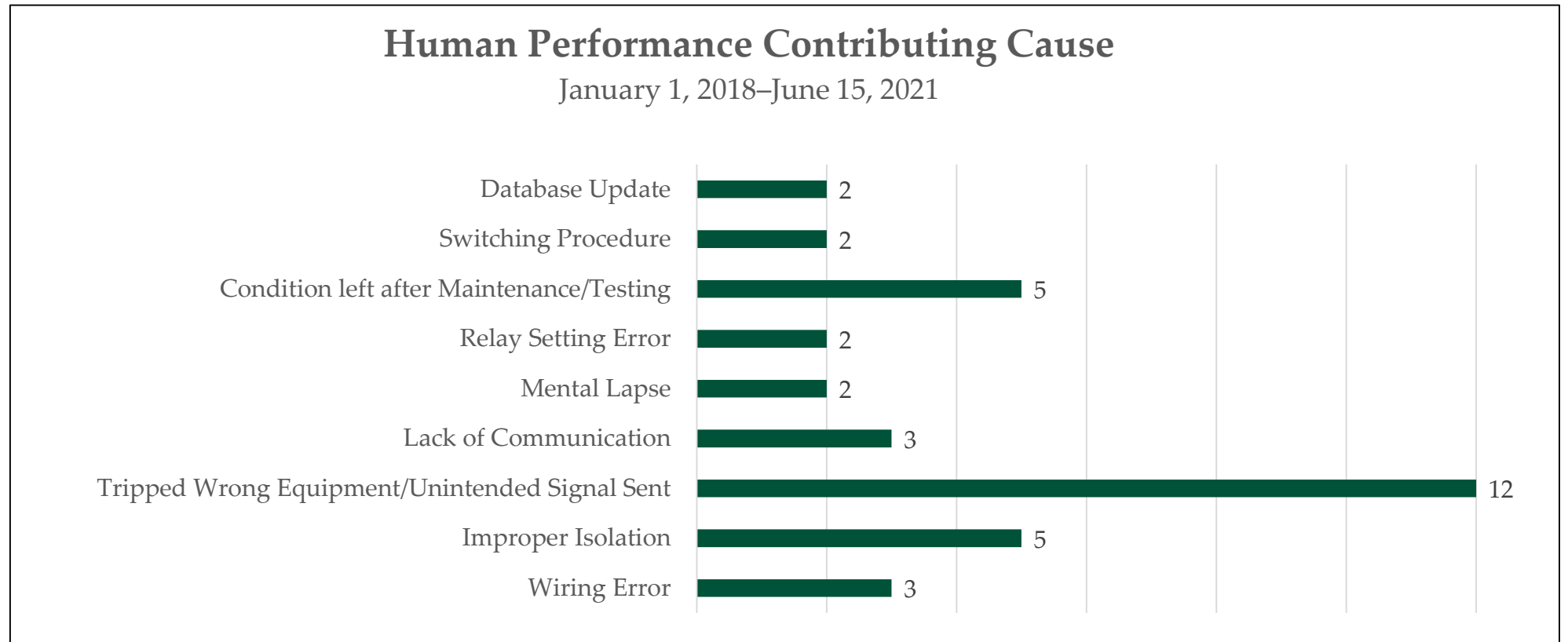
# EPAS Update

---

- Support the Open Loop Advisory Group
- Approved changes to the following documents
  - Communications Systems Performance Guide for Electric Protection Systems
  - Transformer Protection – Sudden Pressure Relays
  - System Operation Investigation Analysis workflow
  - RAS Design Guide
  - Human Performance Knowledge Transfer Task Force Paper

# Recent EPAS Events

- Solar generation resource events
- Human performance issues increase



# Examples

---

## Tripped Wrong Equipment/Unintended Signal Sent

- Went to the back of wrong breaker, sent test signal
- Sent signal to RAS B controller while it was RAS A that was isolated for testing
- Sent signal to 86T output rather than 86GT
- Connected temporary jumper to wrong connection
- Improper relay setting for application (copied setting from another installation)



**WECC**

Electric Reliability and Security for the West

## Contact:

Tim Reynolds

[treynolds@wecc.org](mailto:treynolds@wecc.org)