

**PG&E Site Visit
April 14th, 2021**

Enhanced Vegetation Management

Review of Pre and Post-EVM project that was a carryover from 2020

- Observation: Tree Wire Exemption
 - It was stated by PG&E VM Staff that tree wire allows for incidental contact
 - That allowance is for both SRA (PRC 4293) and LRA (GO95, Rule 35)
 - This is inconsistent with my understanding that no contact allowance is allowed
- Tracking of “Hold Trees”
 - Lengthy discussion of how hold trees are documented and tracked
 - Example was the large Oak removal with an owl nest
 - Need to have a deep dive to understand tracking and completion of “Hold Trees”
- PG&E Procedure 1464 – Need to request a copy (Joe Echols)

Post Wildfire Vegetation Mitigation

Rebuild and hazard tree mitigation after August '20 North Complex Fire

- Existing ROWs have limited/lacking easement rights
- Original construction was old
- High potential for mud and debris slides on slopes denuded of vegetation
- Technically can only construct as the conditions prior to the fire
 - Presents challenges if want to reconstruct with System Hardening or Underground
- Schedule is driving decisions. Lack of civil crews limits undergrounding.
- Need short/long term plan to manage ROWs after VM has reclaimed ROWs

**PG&E Site Visit
April 15th, 2021**

Distribution OH Inspection App w/ Contract Inspectors

Field observation of contract personnel performing 'real time' system inspections on PG&E distribution facilities in HFTD Tier 3 areas.

- Observed Rockstad Qualified Electrical Worker [REDACTED] performing inspections
 - Has been a Journeyman lineman for 15 years
- [REDACTED] had been performing inspections for approximately one month
 - First year performing the inspections
 - Took and ten days to get proficient with the process and app
- Once became proficient, takes 10 to 12 minutes per inspection
- [REDACTED] commented that some of the questions should be moved up higher
 - Example was Non-Exempt Equipment questions towards the end of the App
 - Why do they need to know if the "Butt Wrap" is present/in-tact
 - Butt Wrap is a pole treatment that is applied during pole test and treat
- [REDACTED] hasn't had any App problems/crashes or unexplained data losses
- Daily Work Process
 - Downloads that days work assignments first thing in the morning
 - Runs the App in "Real Time" connectivity without any issues
 - At the end of the day, makes sure every inspection uploaded without issues

Transmission OH Inspection w/ PG&E Transmission Troublemán

Location: [REDACTED]

Field observation of PG&E personnel performing "real time" system inspections on PG&E transmission facilities in HFTD Tier 3 areas. Team met with [REDACTED] Supervisor and XXX, Transmission Troublemán.

- Conducted an inspection on a 230 kV Transmission lattice tower
- < 500 kV Transmission towers/lines in Tier 3 receive a minimum of three inspections annually; Ground, Aerial, and Drone.
- In addition to Ground, Aerial, and Drone inspections, \geq 500 kV towers/lines receive an annual climbing inspection (regardless of Tier location).

(Need to confirm the previous two bullets w/ [REDACTED] during our call on Monday)

- Training was consistent for Inspect App with both Transmission and Distribution
- Open Tags
 - E-Tags in Tier 3 have a 6-month deadline (12-months in non-Tier 3 areas)
 - If 6 months passes and the E Tag is still open, Asset Management issues an FSR (Need to verify what FSR stands for w/ [REDACTED] on Monday)
 - Frustrating for T-Line Troublemans, as they know their condition hasn't changed
 - Have the ability to upgrade an E-Tag to a B-Tag, but that isn't usually necessary
- Observation – Need to develop a prioritization process for Open E-Tags. Should include failure/consequence for delaying E-Tags. Currently, there are >500k open E Tags for both T&D.
- Observation – Do not currently have an “EC” Layer in the Transmission version of the Inspect App, like there is in the Distribution Inspect App. Must go to the “Construct App” to review open tags in Transmission. Need to incorporate the “EC” Layer in the Transmission Inspect App.
- Observation – Central Inspection Review Team (CIRT): The process team that was set up last year to review T&D Inspections to validate the tag priority. CIRT can change the priority. Last year, CIRT made changes without consulting with the field. Has improved this year, with more communication between CIRT and the field.

**PG&E Site Visit
April 16th, 2021**

System Hardening

- Agencies included CPUC WED, CalTrans, Calfire, UP Railroad, Plumas National Forest.
- Good dialogue with Agencies, including their requirements...
 - USFS must follow NEPA (National Environmental Protection Act)
 - State Agencies must follow SEPA (State Environmental Protection Act)
- Caltrans has the CUPA (Complex Utility Public Agreement) for projects
- All of the agencies expressed the importance of early meetings to collaborate
- USFS has standing 5-year operating agreements with PG&E
- Observation
 - Need to develop a standardized “Playbook” for PG&E Project Managers for restoration Projects. No clear standardized process for PM’s to follow.
 - The Agencies and PG&E for this project have a good working relationship, and would be a good pilot to develop a standardized process/playbook.
- Observation – The 3rd stop for this topic was noted as an emergency LZ by Calfire.
 - Would need to consider how the OH risers might impact the LZ
- Observation - Non-exempt Equipment
 - Identified expulsion fuses at a Hydro facility on the Feather River
 - Need to confirm that this location is included in the Hydro substation inspections