From:

To: CC:

**Sent:** 1/11/2021 9:19:23 PM

Subject: EVM QC/QA

Attachments: Public Safety LTIP Target Setting V48.pptx

wanted the statistical sampling weekly, hence the change back to weekly from what sent in I am attaching the full deck for your reference. Sincerely appreciate the quick turnaround you provided.



## **EVM Quality Control – Layers of Defense**

# Enhanced Vegetation Management Work Performed by Contractors

### Layer 1: Vegetation Management Quality Control Team

#### 2020

- Primarily rely on contractor expertise for directly observing contract tree crews performing work
- Work verification is performed on 100% of only the EVM program each year, typically within an average of 14 days following completed work
- Current workforce encompasses a 1:5 ratio of QV inspector to tree crews with 100 QV contract inspectors staffed at peak

#### 2021

- Ramp-up verification to include all vegetation management work (T&D), in HFTD areas on a 100% basis; Shift towards near real-time quality assessment
- Proposed QV workforce of ~360 FTE, steady-state, targeting a 1:3 ratio of QV inspector to tree crews
- Staff the VM team with PG&E inspection employees to ensure internal expertise on all aspects of Vegetation work, targeting a 1:20 ratio of VMI to tree crew

# Layer 2: Electric Operations Quality Assurance Team & Veg Mgmt PMO

- Presented a one-time Quality Assurance Audit of the EVM process to identify improvement opportunities (audit completed in 2019)
- Reported to CPUC's Wildfire Safety Division and Federal Monitor; VM team addressed findings & coordinated follow-up actions

#### 2021

- Quality Assurance Assessments to be performed on a weekly basis using a statistical sampling approach for completed work
- Conduct two EVM QA audits to assess efficacy of the EVM program (1<sup>st</sup> audit) and evaluate the EVM process (2<sup>nd</sup> audit)
- Dedicated & Specialized Arborist Team, part of the VM organization, to directly liaison with Federal Monitor and CPUC's Wildfire Safety Division to be responsive on a timely basis to potential field audit findings

There is no such thing as a small act of kindness; every act creates a ripple with no logical end.