

# PacifiCorp Vegetation Management Quality Management Program Guidelines

## Program Overview

This document describes PacifiCorp's audits and reviews of vegetation management activities for adherence with Company standards and specifications.

PacifiCorp's quality control program consists of the following:

- Quality Assurance (QA)
  - Written procedures that ensure utility vegetation management practices result in a safe and reliable network of power.
- Quality Control (QC)
  - Audit process to verify that completed vegetation maintenance meets written procedure requirements.

## Quality Assurance

PacifiCorp achieves quality assurance through implementation of its Transmission & Distribution Vegetation Management Program Standard Operating Procedures (SOP) and requirements therein. PacifiCorp's SOP establishes program requirements to achieve desired objectives.

## Quality Control

PacifiCorp conducts QC through quality reviews and post-audits to verify the effectiveness and adherence of program requirements.

### Quality Reviews

Quality reviews are detailed reviews of a portion of completed work against PacifiCorp's SOP and requirements. Quality reviews are focused on random sampling of individuals or crews conducting pre-inspection, pole clearing, chemical maintenance, and tree maintenance activities, and includes review of:

- documentation review,
- vegetation maintenance performed,
- work against applicable workflows and processes,
- adherence to safety practices,
- quarterly review of contractor's credential status for continuous improvement.

Vegetation maintenance actions, frequency, and contractor personnel, that are targeted for quality reviews are presented in **Table 1**.

**Table 1. Quality Review Targets**

| Maintenance Action   | Quality Review Frequency (minimum) | Contractor Personnel                                              |
|----------------------|------------------------------------|-------------------------------------------------------------------|
| Pre-Inspection       | Annual                             | Consulting Utility Foresters                                      |
| Pole Clearing        | Annual                             | Pole clearer(s) or Pole clearing crews                            |
| Tree Maintenance     | Annual                             | Tree crews                                                        |
| Chemical Maintenance | Annual                             | Tree growth regulator applicators and herbicide application crews |

### Post-Audits

PacifiCorp conducts post-audits to ensure vegetation maintenance actions conforms with required scope and standards.

Post-audits are conducted by PacifiCorp staff or third-party contractors.

Vegetation maintenance actions, sample size, and audit types, that are targeted for post-audits are presented in **Table 2**.

**Table 2. Post-Audit Targets**

| Maintenance Action              | Sample Size                                                                                            | Audit Type(s)                  | Targeted Activities (Work Codes)                                                                                                                                                                           |
|---------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pole Clearing                   | <u>Pacific Power Only:</u><br>A minimum of 10% of the cleared poles, or 20 poles, whichever is greater | Visual ground-based or desktop | <ul style="list-style-type: none"> <li>• Distribution Pole Clearing - Fire Mitigation (FDP)</li> <li>• Distribution Pole Clearing - SRA (DPL)</li> <li>• Distribution Pole Clearing - LRA (LRA)</li> </ul> |
| Tree Maintenance - Distribution | 100% of scheduled line miles                                                                           | Visual ground-based or aerial  | <ul style="list-style-type: none"> <li>• Distribution Cycle Maintenance (DST)</li> <li>• Fire Mitigation Distribution (FMD)</li> </ul>                                                                     |
| Tree Maintenance - Transmission | 100% of scheduled miles                                                                                | Visual ground-based or aerial  | <ul style="list-style-type: none"> <li>• Fire Mitigation Transmission (FMT)</li> </ul>                                                                                                                     |

### **Documentation and Contractor Coordination**

QC actions are documented electronically and reviewed with contract management to drive continuous improvement.