


SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03	 SOUTHERN CALIFORNIA <b>EDISON</b> Energy for What's Ahead <sup>SM</sup>
				Version	6	
Effective Date		4/1/24				
Supersedes		Version 5				
<b>Distribution Vegetation Management Plan (DVMP)</b>						

THIS DOCUMENT IS REQUIRED TO BE MAINTAINED IN ACCORDANCE  
WITH ERCP COMPLIANCE DOCUMENT REQUIREMENTS


# UVM-03

## Utility Vegetation Management

## Distribution Vegetation Management


## Plan (DVMP)

---


SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03	 <b>SOUTHERN CALIFORNIA EDISON®</b> Energy for What's Ahead™
				Version	6	
Effective Date		4/1/24				
Supersedes		Version 5				
<b>Distribution Vegetation Management Plan (DVMP)</b>						

## Table of Contents

1	Introduction .....	4
1.1	Purpose .....	4
1.2	Objectives.....	4
2	Applicability.....	5
2.1	Operating Units .....	5
2.2	Distribution Facilities.....	5
3	Definitions.....	5
4	Details.....	5
4.1	Encroachments .....	5
4.1.1	GO 95, Rule 35 and Rule 37 .....	5
4.1.2	Public Resource Code (PRC) § 4292 .....	6
4.1.3	Title 14, California Code Regulations (CCR) Section § 1254 – Minimum Clearance Provisions PRC § 4292 .....	6
4.1.4	Public Resource Code (PRC) § 4293 .....	7
5	Clearance Requirements .....	8
5.1	Distribution Lines.....	8
5.1.1	Fire Areas (reference Table 1).....	8
5.1.2	Non-Fire Areas (reference Table 2) .....	8
5.1.3	Restricted Areas .....	8
5.1.4	Low Voltage Lines (Fire and Non-Fire Areas).....	9
6	Other Program Elements .....	13
6.1	Inspection Types .....	13
6.1.1	Inspections performed by SCE's Pre-Inspectors (PIs).....	13
6.1.2	Supplemental Inspections.....	13
6.2	Inspection Methods .....	13
6.2.1	Ground Inspections.....	13
6.2.2	LiDAR Inspections .....	13
6.2.3	Ground Inspections Using Previously Acquired LiDAR Data .....	13
6.2.4	Aerial Inspections .....	13
6.3	Abnormal Field Conditions .....	14

SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03	 SOUTHERN CALIFORNIA <b>EDISON</b> Energy for What's Ahead <sup>SM</sup>
				Version	6	
Effective Date		4/1/24				
Supersedes		Version 5				
<b>Distribution Vegetation Management Plan (DVMP)</b>						

6.4	Vegetation Control Techniques .....	14
6.5	Post Work Verifications .....	14
7	Distribution and Data Retention .....	14
8	Approvals.....	15
9	Revision History.....	15
10	References .....	16
11	Attachments.....	16
12	Key Contacts .....	16

SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03	 <b>SOUTHERN CALIFORNIA EDISON®</b> Energy for What's Ahead™
				Version	6	
Effective Date		4/1/24				
Supersedes		Version 5				
<b>Distribution Vegetation Management Plan (DVMP)</b>						

## 1 Introduction

### 1.1 Purpose

Southern California Edison (SCE) maintains a reliable electric distribution system by managing vegetation located under and adjacent to electric conductors in order to minimize the risk of encroachments into the specified clearance zones.


### 1.2 Objectives

The SCE Distribution Vegetation Management Plan (DVMP) is designed to improve the reliability of SCE's distribution system and to comply with regulatory requirements established by the California Public Utilities Commission (CPUC) General Order (GO) 95, California Public Resource Codes (PRC), and Title 14 California Code of Regulations (CCR) by establishing maintenance and inspection procedures to:

- Manage vegetation to prevent vegetation encroachment into the clearance zones under normal conditions as stated in the following regulations, as applicable. During Force Majeure<sup>1</sup> events it may not be possible to ensure that an encroachment into the clearance zones will not occur.
  - GO 95, Rule 35 (Case 13 and Case 14)
  - GO 95, Rule 37
  - PRC Section 4292
  - PRC Section 4293
  - CCR Sections 1250-1258
- Document the maintenance procedures and processes used to manage vegetation to prevent the encroachment into the clearances described in the regulations noted above.
- Include consideration of 1) conductor (line) dynamics 2) vegetation movement during high winds (tree dynamics), and 3) the interrelationships between vegetation growth rates, control methods and inspection frequency.
- Provide timely notification to the appropriate Vegetation Management Operations (VM) Senior Specialist (SSP) or Manager of vegetation conditions that could cause a flash-over or Fault.
- Implement corrective actions to prevent encroachments into the clearance distances described in the regulations noted above due to work constraints.
- Inspect vegetation conditions annually or more frequently, as needed.
- Complete the annual work needed to prevent encroachments into the clearance distances described in the regulations noted above.

<sup>1</sup> Circumstances that are beyond a utility's control, including natural disasters such as earthquakes, fires, tornados, hurricanes, landslides, wind shear, fresh gale, major storms, ice storms, and floods; human or animal activity such as logging, animal severing tree, vehicle contact with tree, or installation, removal, or digging of vegetation. Definition is from NERC Reliability Standard FAC-003-4.



SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03	 <b>SOUTHERN CALIFORNIA EDISON®</b> Energy for What's Ahead™
				Version	6	
Effective Date		4/1/24				
Supersedes		Version 5				
<b>Distribution Vegetation Management Plan (DVMP)</b>						

## 2 Applicability

### 2.1 Operating Units

This document is applicable to the OUs impacted by the Energy Regulatory Compliance Program (ERCP) Compliance Requirements related to Vegetation Management, including but are not limited to:

- Transmission & Distribution (Distribution)
- Generation

### 2.2 Distribution Facilities

Distribution lines and equipment that are operated at 2.4 kV to 69 kV with the exception of those lines that are part of the defined Bulk Electric System or are an element of a Major Western Electricity Coordinating Council (WECC) Transfer Path or an element of an Interconnection Reliability Operating Limit (IROL)<sup>2</sup>, which are managed according to SCE's Transmission Vegetation Management Plan (TVMP).

## 3 Definitions

Refer to the NERC Glossary of Terms, the E&C Shared Services Glossary of Terms (ECSS-02), and UVM Program Glossary of Terms (UVM-16) for any capitalized terms used in this document.

## 4 Details

### 4.1 Encroachments

#### 4.1.1 GO 95, Rule 35 and Rule 37


Where overhead conductors traverse trees and vegetation, safety and reliability of service demand that certain vegetation management activities are to be performed to establish and maintain necessary and reasonable clearances. Minimum clearances are established in Cases 13 and 14 of Rule 35.

- For distribution lines and equipment located in Non-fire areas, GO 95, Rule 35 (Case 13) applies.
- For distribution lines and equipment located in Extreme (Tier 3) and Very High (Tier 2) fire areas, GO 95, Rule 35 (Case 14) applies.

#### Strategy and Supporting Documentation

In order to prevent an encroachment into the Regulation Clearance Distance (RCD) described in Table 1 and Table 2 below, SCE or its approved contractor will inspect and manage all vegetation under and adjacent to its applicable lines operating under normal conditions. During the inspection and completion of work, movement of the line conductors, movement of the vegetation, and vegetation growth shall be taken into consideration.

<sup>2</sup> Major WECC Transfer Paths and IROLs are managed as described in SCE's Transmission Vegetation Management Plan (TVMP)

SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03
				Version	6
Effective Date		4/1/24			
Supersedes		Version 5			
<div> SOUTHERN CALIFORNIA <b>EDISON</b><sup>®</sup> Energy for What's Ahead<sup>SM</sup></div>					
Distribution Vegetation Management Plan (DVMP)					

Confirmation that SCE or its approved contractor managed vegetation to prevent encroachments into the RCD shall include: documenting in the UVM Annual Work Plan; documentation using Attachment A, "Utility Vegetation Management (UVM) Inspection Report / Grid Cover Sheet," when applicable, and documenting Post Work Verifications in VM's Work Management System.

Vegetation inspections and maintenance should be completed annually or more often as deemed necessary. SCE or its approved contractor will verify the completion of annual vegetation maintenance via Post Work Verifications or QC inspections as described in UVM-07, "Post Work Verificaiton and UVM Program Oversight."

#### **4.1.2 Public Resource Code (PRC) § 4292**


Any person that owns, controls, operates, or maintains any electrical transmission or distribution line upon any mountainous land, or forest covered land, brush-covered land, or grass-covered land shall, during such times and in such areas as are determined to be necessary by the director or the agency which has primary responsibility for fire protection of such areas, maintain around and adjacent to any pole or tower which supports a switch, fuse, transformer, lightning arrester, line junction, or dead end or corner pole, a firebreak which consists of a clearing of not less than 10-feet in each direction from the outer circumference of such pole or tower (see Figure 2).

#### **4.1.3 Title 14, California Code Regulations (CCR) Section § 1254 – Minimum Clearance Provisions PRC § 4292**

The firebreak clearances required by PRC § 4292 are applicable within an imaginary cylindrical space surrounding each pole or tower on which a switch, fuse, transformer or lightning arrester is attached and surrounding each dead-end or corner pole, unless such pole or tower is exempt from minimum clearance requirements by provisions of Title 14, CCR, § 1255 or PRC § 4296. The radius of the cylindroid is 3.1 m (10 feet) measured horizontally from the outer circumference of the specified pole or tower with height equal to the distance from the intersection of the imaginary vertical exterior surface of the cylindroid with the ground to an intersection with a horizontal plane passing through the highest point at which a conductor is attached to such pole or tower. Flammable vegetation and materials located wholly or partially within the firebreak space shall be treated as follows:

Distribution lines and equipment located in Fire areas where PRC § 4292 applies:

- (a) At ground level - remove flammable materials, including but not limited to, ground litter, duff and dead or desiccated vegetation that will allow fire to spread, and;
- (b) From 0 - 2.4 m (0-8 feet) above ground level remove flammable trash, debris or other materials, grass, herbaceous and brush vegetation. All limbs and foliage of living trees shall be removed up to a height of 2.4 m (8 feet).
- (c) From 2.4 m (8 feet) to horizontal plane of highest point of conductor attachment remove dead, diseased or dying limbs and foliage from living sound trees and any dead, diseased or dying trees in their entirety.

SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03	 <b>SOUTHERN CALIFORNIA EDISON®</b> Energy for What's Ahead™
				Version	6	
Effective Date		4/1/24				
Supersedes		Version 5				
<b>Distribution Vegetation Management Plan (DVMP)</b>						

#### Strategy and Supporting Documentation

In order to prevent vegetation growth and maintain a firebreak at the base of structures that support non-exempt equipment, SCE or its approved contractor will inspect and manage vegetation at the base of poles, in accordance with PRC 4292 where feasible and permissible. In Tier 2 and Tier 3, SCE or its approved contractor will clear the base of exempt poles or apply a fire retardant to the base of the pole in a 10 foot radius.

Confirmation that SCE or its approved contractor managed vegetation to prevent encroachments into the RCD shall include: documenting in the UVM Annual Work Plan; documentation using Attachment A, "Utility Vegetation Management (UVM) Inspection Report / Grid Cover Sheet," when applicable, and documenting Post Work Verifications in VM's Work Management System.

Vegetation inspections and maintenance should be completed annually or more often as deemed necessary. SCE or its approved contractor will verify the completion of annual vegetation maintenance via Post Work Verifications or QC inspections as described in UVM-07, "Post Work Verificaiton and UVM Program Oversight."

#### **4.1.4 Public Resource Code (PRC) § 4293**

Any person that owns, controls, operates, or maintains any electrical transmission or distribution line upon any mountainous land, or in forest-covered land, brush-covered land, or grass-covered land shall, during such times and in such areas as are determined to be necessary by the director or the agency which has primary responsibility for the fire protection of such areas, maintain a clearance of the respective distances in all directions between all vegetation and all conductors which are carrying electric current.


#### Strategy and Supporting Documentation

In order to prevent an encroachment into the RCD described in Table 1 below, SCE or its approved contractor will inspect and manage all vegetation under and adjacent to its applicable lines, as described in Section 2 above, operating under normal conditions. During the inspection and the completion of work, movement of the line conductors, movement of the vegetation, and vegetation growth shall be taken into consideration.

Confirmation that SCE or its approved contractor managed vegetation to prevent encroachments into the RCD shall include: documenting in the UVM Annual Work Plan; documentation using Attachment A, "Utility Vegetation Management (UVM) Inspection Report / Grid Cover Sheet," when applicable, and documenting Post Work Verifications in VM's Work Management System.

#### Maintenance Work Validation



SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03	 <b>SOUTHERN CALIFORNIA EDISON®</b> Energy for What's Ahead™
				Version	6	
Effective Date		4/1/24				
Supersedes		Version 5				
<b>Distribution Vegetation Management Plan (DVMP)</b>						

SCE or its approved contractor will verify the completion of annual vegetation maintenance via Post Work Verifications or QC inspections as described in UVM-07, "Post Work Verification and UVM Program Oversight."

## 5 Clearance Requirements

### 5.1 Distribution Lines

Based on the conditions described below, the subsequent processes are to be used to establish the clearance requirements in the Encroachment Zones:

#### 5.1.1 Fire Areas (reference Table 1)

Applicable regulations:

1. PRC § 4293
2. GO 95, Rule 35, Case 14

Grid Resiliency Clearance Distances (GRCD) are established to mitigate fire risk and maintain compliance with PRC § 4293 and GO 95, Rule 35 requirements.

- GRCD-A and GRCD-B are to be established at time of maintenance work based on line voltage
- Trigger Clearance Distance<sup>3</sup> (TCD) for UVM work to be initiated based on line voltage
- Compliance Clearance Distances<sup>4</sup> (CCD) to be maintained at all times based on line voltage
- Drop-in Zone is to be cleared of all vegetation as appropriate

#### 5.1.2 Non-Fire Areas (reference Table 2)

Applicable regulation:

1. GO 95, Rule 35, Case 13

GRCDs are established to maintain compliance with GO 95, Rule 35 requirements.


- GRCD-A and GRCD-B are to be established at time of maintenance work based on line voltage
- CCD to be maintained at all times based on voltage

#### 5.1.3 Restricted Areas

Restricted Areas may result in conditions preventing the GRCD-A or GRCD-B, TCD or CCD for Tables 1 or 2 from being implemented. Examples may include crops, orchards, environmentally sensitive areas, lack of easement rights, or customer refusals.

<sup>3</sup> TCD = CCD + 3-feet

<sup>4</sup> CCD = RCD x 1.5 (Safety Margin) rounded up

SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03	 <b>SOUTHERN CALIFORNIA EDISON®</b> Energy for What's Ahead™
				Version	6	
Effective Date		4/1/24				
Supersedes		Version 5				
<b>Distribution Vegetation Management Plan (DVMP)</b>						

When restricted areas are encountered and the clearances specified in Tables 1 or 2 cannot be achieved, then:

- GRCD-A or GRCD-B can be modified and documented to address the specific circumstances or restrictions at each specific location
- Ensure sufficient clearance is achieved to maintain RCD for 12 months

#### 5.1.4 Low Voltage Lines (Fire and Non-Fire Areas)

Low voltage lines, 750 volts and below, are categorized as follows:

- Secondary – Pole to pole
  - Aerial Cable or Open Wire (Insulated or Uninsulated)
- Service Drop – Pole to weatherhead
  - Triplex and Quadruplex (Bundled), or Open Wire


Low voltage line clearances are described in Tables 1 and 2.

Fire Areas						
PRC 4293 and GO 95, Rule 35, Extreme and Very High Fire Areas (Case 14)						
Nominal Voltage	Grow-in Zone Clearance Distance at Time of Maintenance GRCD-A	Blow-in Zone Clearance Distance at Time of Maintenance GRCD-B	Grow-in & Blow-in Zones Clearance Distance that Triggers Work TCD	Grow-in & Blow-in Zones Clearance Distance to be Maintained for Compliance CCD	Drop-in Zone	Regulation Clearance Distance RCD
2.4 - 69kV	12' <sup>5</sup>	12'	9'	6'	Clear of all Vegetation where Practical	4.0'
2.4 – 12kV Aerial Cable	4'	4'	Strain or abrasion	n/a	n/a	No strain or abrasion
≤ 750 volts Open Wire, Aerial and Bundled	4'	4'	Strain or abrasion	n/a	n/a	No strain or abrasion

**Table 1: Clearance Distances – Fire Areas**

<sup>5</sup> GO 95 Rule 35 Appendix E recommended clearance (Case 14)




SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03	 <b>SOUTHERN CALIFORNIA EDISON<sup>®</sup></b> Energy for What's Ahead <sup>SM</sup>
				Version	6	
Effective Date		4/1/24				
Supersedes		Version 5				
<b>Distribution Vegetation Management Plan (DVMP)</b>						

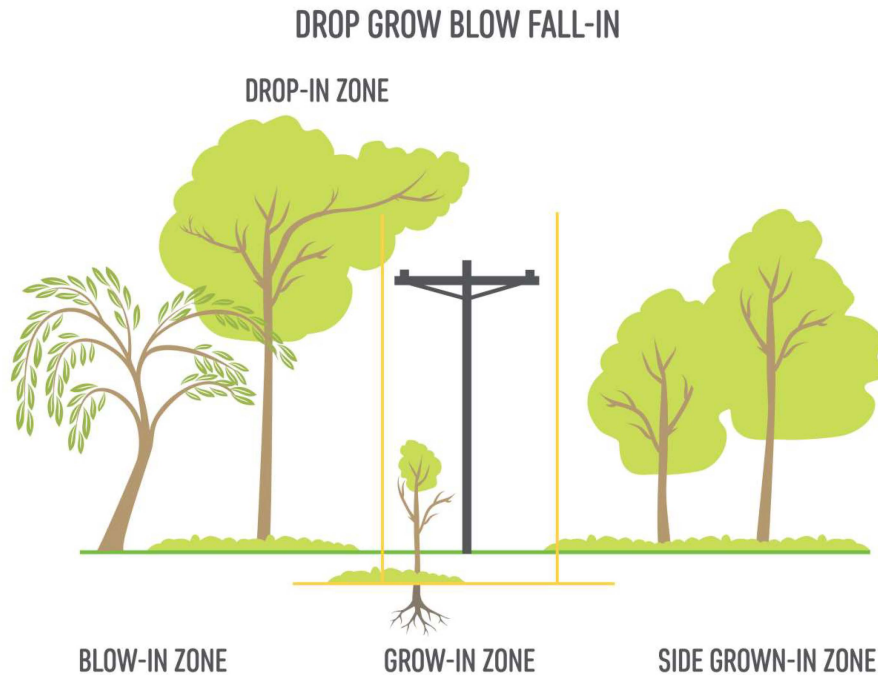
Non-Fire Areas						
GO 95, Rule 35 (Case 13)						
Nominal Voltage	Grow-in Zone Clearance Distance at Time of Maintenance GRCD-A	Blow-in Zone Clearance Distance at Time of Maintenance GRCD-B	All Zones Clearance Distance that Triggers Work TCD	All Zones Clearance Distance to be Maintained for Compliance CCD	Drop-in Zone	Regulation Clearance Distance RCD
2.4 - 69kV	6 <sup>67</sup>	6'	n/a	3'	Clear of all Vegetation where Practical	1.5'
2.4 – 12kV Aerial Cable	4'	4'	Strain or abrasion	n/a	n/a	No strain or abrasion
≤ 750 volts Open Wire, Aerial and Bundled	4'	4'	Strain or abrasion	n/a	n/a	No strain or abrasion

**Table 2: Clearance Distances – Non-Fire Areas**

<sup>6</sup> Although GO95 Rule 35 Appendix E Case 13 (non-Fire Areas) recommends 4' clearance for 2.4kV to 72kV, SCE is adopting a 6' clearance

<sup>7</sup> Required vegetation maintenance shall ensure RCD for 12 months


SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03	 SOUTHERN CALIFORNIA <b>EDISON</b> <sup>®</sup> Energy for What's Ahead <sup>SM</sup>
				Version	6	
Effective Date		4/1/24				
Supersedes		Version 5				
<b>Distribution Vegetation Management Plan (DVMP)</b>						



**Figure 1: Encroachment Zones**

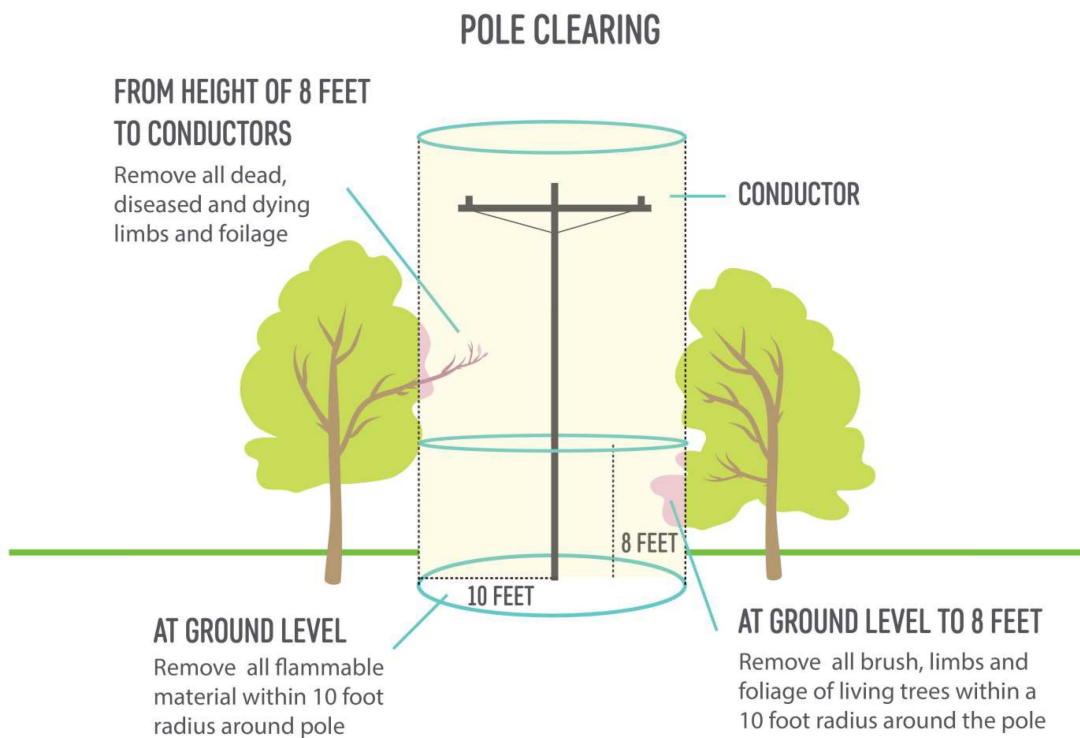
- Vegetation in the Grow-in Zone, Blow-in Zone and Side Grow-in Zone must be cleared to, and maintained per the clearance distances (Table 1 and Table 2). All fast growing tree species located in the Grow-in Zone shall be removed as appropriate<sup>8</sup>. All fast growing tree species are described in Attachment B.
- Where practical and achievable, all vegetation in the Drop-in Zone (overhangs) within the designated fire areas shall be removed.
- Vegetation identified as a Hazard Tree will be mitigated in accordance with UVM-04, "Hazard Tree Management Plan."
- If RCD plus 12 months growth clearance cannot be attained at the time of scheduled maintenance due to easements, customer refusals, other legal agreements, or regulations that restrict vegetation management practices, the maximum allowable amount of vegetation will be removed or otherwise controlled as appropriate. These Exception Tree(s) will be documented in the work management system and re-inspected as necessary throughout the year.

<sup>8</sup> Trees that have the capability to encroach into the clearance distance at maturity shall be removed


SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03	 SOUTHERN CALIFORNIA <b>EDISON</b> <sup>®</sup> Energy for What's Ahead <sup>SM</sup>
				Version	6	
Effective Date		4/1/24				
Supersedes		Version 5				
<b>Distribution Vegetation Management Plan (DVMP)</b>						

The following clearances around poles are to be maintained as required in PRC 4292 and CCR 1254.

- Where practical and achievable all vegetation is cleared from above the 8 foot cylinder height established by PRC 4292 to the bottom of the conductors



**Figure 2: PRC §4292 & CCR §1254 Pole Clearance**

SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03
				Version	6
Effective Date		4/1/24			
Supersedes		Version 5			
<div> SOUTHERN CALIFORNIA <b>EDISON</b><sup>®</sup> Energy for What's Ahead<sup>SM</sup></div>					
Distribution Vegetation Management Plan (DVMP)					

## 6 Other Program Elements

### 6.1 Inspection Types

#### 6.1.1 Inspections performed by SCE's Pre-Inspectors (PIs)

SCE or contracted PIs conduct Inspections (denoted as Pre-inspections) of applicable lines to identify:

- 1) Vegetation management work needed to maintain compliance with applicable regulations
- 2) Potential RCD and CCD encroachments
- 3) Hazard Risk Trees, see UVM-04, Hazard Tree Management Plan
- 4) Exception Trees

#### 6.1.2 Supplemental Inspections

Supplemental inspections are performed by qualified SCE Operations personnel throughout the year. Identified conditions requiring vegetation-related work are documented and reported to the VM personnel and scheduled for remediation.

### 6.2 Inspection Methods

#### 6.2.1 Ground Inspections

SCE shall conduct inspections, for lines with identified vegetation, from vehicles or by foot from beginning to the end of line.

#### 6.2.2 LiDAR Inspections

LiDAR should be used where lines cannot be readily accessed by ground or the clearances between vegetation and conductors cannot be obtained both vertically and horizontally from an aerial patrol. Based on topography, line construction, and ecosystem type, LiDAR inspection shall be scheduled as needed.

Vegetation concerns identified from evaluation of the LiDAR data may supplemented by foot/ground patrols to validate concerns and/or other required information, as applicable.


#### 6.2.3 Ground Inspections Using Previously Acquired LiDAR Data

Slow-growing plant communities or Subject Trees near or beyond the Border Zone can have valid LiDAR data older than five years from the original LiDAR inspection detailed in section 6.2.2. In these instances, ground inspections using previously acquired LiDAR data can be used to identify changes/growth of vegetation and assessment of required pruning/maintenance to achieve required clearance. When using this method of inspection, the preinspector is required to inspect from the source point to the end of line.

#### 6.2.4 Aerial Inspections

Where vegetation to line clearance cannot be readily accessed from the ground but the horizontal and vertical clearance between the vegetation and conductors can be determined from an aerial inspection, then aerial inspections are an acceptable form of inspection. Aerial inspections are also an acceptable method for conducting post-storm/post-fire emergency inspections.



SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03
				Version	6
Effective Date		4/1/24			
Supersedes		Version 5			
<div> SOUTHERN CALIFORNIA <b>EDISON</b><sup>®</sup> Energy for What's Ahead<sup>SM</sup></div>					
<b>Distribution Vegetation Management Plan (DVMP)</b>					

### 6.3 Abnormal Field Conditions

Inspections that cannot be completed due to inaccessibility, customer refusals or other restrictions will be promptly reported to the VM Event Expeditor for managing the condition in accordance with UVM-14. When these conditions are identified by SCE Vegetation contractors, the condition and/or reason for the incomplete work shall be documented in the Work Management System and the SSP with local jurisdiction shall be notified to assist with resolution of the identified condition.

In the event that any imminent threat condition is observed, Vegetation Management Operations (VM) personnel, or the Grid Control Center (GCC) will be contacted without any intentional time delay and the steps outlined in UVM-08 will be followed.

### 6.4 Vegetation Control Techniques

SCE utilizes industry standard Integrated Vegetation Management (IVM) techniques to perform scheduled and required work. These techniques may include:

- Manual (Pruning and Removal)
- Chemical (Herbicides)
- Mechanical (Mowing, Mastication, Feller Bunchers, etc.)
- Other cultural and biological practices to promote desirable, stable, low - growing plant communities that will resist invasion by tall growing tree species

Prescriptions for required work are generally developed on a case by case basis and consider a myriad of local factors.

### 6.5 Post Work Verifications

VM SSPs perform a Post Work Verification after completion of contractor(s) work. The VM SSP review occurs after the inspection and/or line clearing work is completed. Review samples are selected in accordance with UVM-07, Post Work Verification and UVM Program Oversight.


## 7 Distribution and Data Retention

The approved version of the document shall be stored on the Vegetation Management SharePoint site while in effect and for at least ten (10) years thereafter.

#### Distribution:

- T&D VM Managers
- Impacted OU Touchpoints
- E&C PMO




SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03
				Version	6
Effective Date		4/1/24			
Supersedes		Version 5			
<div> SOUTHERN CALIFORNIA <b>EDISON</b><sup>®</sup> Energy for What's Ahead<sup>SM</sup></div>					
Distribution Vegetation Management Plan (DVMP)					

## 8 Approvals

Program Manager	Signature	Date
[NAME REMOVED], Principal Manager	[NAME REMOVED]	3/19/24

## 9 Revision History

Revision Number	Date	Description of the Revision	By	Next Review Date
1	9/27/18	Initial DVMP for the UVM Program	UVM Build Team	2019
2	2/1/19	Updated clearance distances in all tables Formatted Attachments	[NAME REMOVED]	2019
3	5/17/19	General Document Refresh	[NAME REMOVED]	5/17/20
4	9/1/19	Table 2: Reduced GRCD clearance from 12' to 6' and eliminated TCD for voltages 2.4 – 69kV Added clearance for HV Aerial Cable	[NAME REMOVED]	9/1/20
5	3/1/21	Removed "For Internal Use" Procedure Designation	[NAME REMOVED]	3/1/21

SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03	 <b>SOUTHERN CALIFORNIA EDISON®</b> Energy for What's Ahead™
				Version	6	
Effective Date		4/1/24				
Supersedes		Version 5				
<b>Distribution Vegetation Management Plan (DVMP)</b>						

6	4/1/24	General document refresh. Deleted prior attachments B and D	[NAME REMOVED]	4/1/25
---	--------	---	----------------	--------

## 10 References

### External References

- NERC Glossary of Terms
- CPUC General Order (GO) 95
- Cal Fire Public Resource Codes (PRC) 4292 and 4293 and 4296
- Title 14, CCR, § 1255

### Internal References

- ECSS-02, E&C Shared Services Glossary of Terms
- UVM-04, Hazard Tree Management Plan
- UVM-06, LiDAR Reference Guide
- UVM-07, Post Work Verification and UVM Program Oversight
- UVM-11, Qualification of UVM Senior Specialists
- UVM-12, Employee and Contractor Training
- UVM-14, Manage Refusal Events
- UVM-16, UVM Program Glossary of Terms

## 11 Attachments


Attachment A: UVM Inspection Report / Grid Cover Sheet

Attachment B: Tree Species in SCE Service Territory

## 12 Key Contacts

UVM Principal Manager, Operations: [NAME AND PHONE NUMBER REMOVED]

UVM Senior Manager, Compliance: [NAME AND PHONE NUMBER REMOVED]

SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03	 <b>SOUTHERN CALIFORNIA EDISON®</b> Energy for What's Ahead™
				Version	6	
Effective Date		4/1/24				
Supersedes		Version 5				
<b>Distribution Vegetation Management Plan (DVMP)</b>						

**Attachment A**  
**UVM Inspection Report / Grid Cover Sheet**

Circle one: **DISTRIBUTION** or **TRANSMISSION**

Zone:  District:  Grid:  ISO:

Pre-Inspection		Tree Contractor		SCE Senior Specialist	
2018 Inventory		2018 Performed Trims		% GRID Trims Achieved	
2018 Prescribed Trims		2019 Performed Trims		% Approved Exceptions	
2019 Inventory		2019 Performed Removals		% Unapproved Exceptions	
2019 Prescribed Trims		Total Hours Invoiced		Trim Refusals Pending	
2019 Prescribed Removals		Approved Exceptions		Removal Refusals Pending	
2019 Removals Approved		Unapproved Exceptions		P1 Not Permanently Res.	
Total Hours Invoiced		Priority 1 Permanently Res.		SCE Field Review	
Approved Exceptions		Additional Compliance			
Unapproved Exceptions		Add Locations			
Priority 1		Abnormal Field Conditions			
Additional Compliance					
Notification Consultant					


Company Name:	Notes:
Pre-Inspector:	
Start Date:	
Completion Date:	
I certify the work I performed within this grid to be accurate and in accordance with the applicable Statement of Work"	
Print/Signature:	

Company Name:	Notes:
VM Contractor GF:	
Start Date:	
Completion Date:	
I certify the work I performed within this grid to be accurate and in accordance with the applicable Statement of Work"	
Print/Signature:	

SCE Senior Specialist PI Review Date:	
SCE Senior Specialist TC Review Date:	
Senior Specialist Print/Signature (PI):	Senior Specialist Print/Signature (TC):

Date Received by SCE:	
Date Updated in Database:	

**EXAMPLE**


SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03	 <b>SOUTHERN CALIFORNIA EDISON®</b> Energy for What's Ahead™
				Version	6	
Effective Date		4/1/24				
Supersedes		Version 5				
<b>Distribution Vegetation Management Plan (DVMP)</b>						

## Attachment B

### Tree Species in SCE Service Territory


Common Name	Genus	species	Growth Rate	Risk Rating
Ailanthus	Ailanthus	altissima	Fast	High
Arundo	Arundo	donax	Medium	High
Ash	Fraxinus	spp	Fast	High
Ash - Evergreen	Fraxinus	udhei	Fast	High
Ash - Modesto	Fraxinus	velutina	Fast	High
Ash - Raywood	Fraxinus	oxycarpa	Fast	High
Aspen - Quaking	Populus	tremuloides	Medium	High
Athel	Tamarix	spp	Fast	High
Bamboo	Bambusa	spp	Fast	High
Catalpa	Catalpa	speciosa	Fast	High
Century Plant	Agave	americana	Fast	High
Coolibah	Eucalyptus	coolabah	Fast	High
Coral	Erythrina	corallodendron	Fast	High
Cottonwood	Populus	spp	Fast	High
Cottonwood - Black	Populus	trichocarpa	Fast	High
Cottonwood - Western	Populus	fremontii	Fast	High
Eucalyptus	Eucalyptus	spp	Fast	High
Eucalyptus - Blue Gum	Eucalyptus	globulus	Fast	High
Eucalyptus - Lemon	Corymbia	citriodora	Fast	High
Eucalyptus - Manna Gum	Eucalyptus	viminalis	Fast	High
Eucalyptus - Red Flowering Gum	Corymbia	ficifolia	Fast	High
Eucalyptus - Red Gum	Eucalyptus	camaldulensis	Fast	High
Eucalyptus - Red Ironbark	Eucalyptus	sideroxylon	Fast	High
Eucalyptus - Silver Dollar Gum	Eucalyptus	polyanthemos	Fast	High
Jacaranda	Jacaranda	mimosifolia	Fast	High
Liquid Amber	Liquidambar	styraciflua	Medium	High
Locust	Gleditsia	spp	Fast	High
Locust - Black	Robinia	pseudoacacia	Fast	High
Locust - Honey	Gleditsia	triacanthos	Fast	High
Maple	Acer	spp	Fast	High
Maple - Bigleaf	Acer	macrophyllum	Fast	High
Maple - Box Elder	Acer	negundo	Fast	High
Maple - Silver	Acer	saccharinum	Fast	High
Mimosa	Albizia	julibrissin	Fast	High
Mulberry	Morus	alba	Fast	High
Oak - Black	Quercus	kellooggii	Medium	High
Oak - Valley	Quercus	lobata	Fast	High
Palm - California	Washingtonia	filifera	Fast	High
Palm - Canary Island	Phoenix	canariensis	Medium	High




SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03	 <div>SOUTHERN CALIFORNIA <b>EDISON</b><sup>®</sup> Energy for What's Ahead<sup>SM</sup></div>
				Version	6	
Effective Date		4/1/24				
Supersedes		Version 5				
<b>Distribution Vegetation Management Plan (DVMP)</b>						

Common Name	Genus	species	Growth Rate	Risk Rating
Palm - Date	Phoenix	dactylifera	Fast	High
Palm - Guadalupe	Brahea	edulis	Fast	High
Palm - King	Archontophoenix	cunninghamiana	Medium	High
Palm - Mexican	Washingtonia	robusta	Fast	High
Palm - Other	Palm	spp	Fast	High
Palm - Queen	Syagrus	romanzoffiana	Fast	High
Palm - Triangle	Dypsis	decaryi	Medium	High
Pepper - Brazilian	Schinus	terebinthifolius	Fast	High
Pepper - California	Schinus	molle	Fast	High
Pine - Canary Island	Pinus	canariensis	Medium	High
Pine - Gray	Pinus	sabiniana	Medium	High
Pine - Lodgepole	Pinus	contorta	Slow	High
Poplar	Populus	spp	Fast	High
Poplar - Lombardy	Populus	nigra 'italica'	Fast	High
Poplar - White	Populus	alba	Fast	High
Sycamore	Platanus	occidentalis	Fast	High
Tanoak	Notholithocarpus	densiflorus	Medium	High
Tipuana	Tipuana	tipu	Fast	High
Vine	Ivy	spp	Fast	High
Willow	Salix	spp	Fast	High
Willow - Weeping	Salix	babylonica	Fast	High
Acacia	Acacia	spp	Medium	Medium
Acacia - Bailey	Acacia	baileyana	Medium	Medium
Acacia - Blackwood	Acacia	melanoxylon	Medium	Medium
Alder	Alnus	spp	Medium	Medium
Alder - Red	Alnus	rubra	Medium	Medium
Alder - White	Alnus	rhombifolia	Medium	Medium
Araucaria	Araucaria	spp	Medium	Medium
Araucaria - Bunya Pine	Araucaria	bidwillii	Medium	Medium
Araucaria - Monkey Puzzle	Araucaria	araucana	Medium	Medium
Araucaria - Norfolk Island Pine	Araucaria	heterophylla	Medium	Medium
Avocado	Persea	americana	Medium	Medium
Bottle	Brachychiton	acerifolius	Medium	Medium
Camphor	Cinnamomum	camphora	Medium	Medium
Carob	Ceratonia	siliqua	Medium	Medium
Carrotwood	Cupaniopsis	anacardioides	Medium	Medium
Casuarina	Casuarina	equisetifolia	Fast	Medium
Cedar	Cedrus	spp	Slow	Medium
Cedar - Atlas	Cedrus	atlantica	Slow	Medium




SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03	 SOUTHERN CALIFORNIA <b>EDISON</b> <sup>®</sup> Energy for What's Ahead <sup>SM</sup>
				Version	6	
Effective Date		4/1/24				
Supersedes		Version 5				
<b>Distribution Vegetation Management Plan (DVMP)</b>						


Common Name	Genus	species	Growth Rate	Risk Rating
Cedar - Deodara	Cedrus	deodara	Slow	Medium
Cedar - Incense	Calocedrus	decurrens	Slow	Medium
Cherry	Prunus	avium	Medium	Medium
Chinaberry	Melia	azedarach	Medium	Medium
Cow Itch	Lagunaria	patersonia	Medium	Medium
Elm	Ulmus	spp	Fast	Medium
Elm - American	Ulmus	americana	Medium	Medium
Elm - Chinese	Ulmus	parvifolia	Fast	Medium
Ficus	Ficus	spp	Medium	Medium
Ficus - Indian Laurel	Ficus	nitida	Medium	Medium
Ficus - Rusty Leaf Fig	Ficus	rubiginosa	Medium	Medium
Ficus - Weeping Fig	Ficus	benjamina	Medium	Medium
Fir - White	Abies	concolor	Slow	Medium
Golden Rain	Koelreuteria	paniculata	Medium	Medium
Grevillea - Banks	Grevillea	banksii	Medium	Medium
Hackberry	Celtis	reticulata	Fast	Medium
Laurel - Bay	Laurus	nobilis	Medium	Medium
Laurel - California Bay	Umbellularia	californica	Medium	Medium
Magnolia - Southern	Magnolia	grandiflora	Medium	Medium
Mayten	Maytenus	boaria	Medium	Medium
Melaleuca	Melaleuca	linariifolia	Medium	Medium
Oak - Canyon Live	Quercus	chrysolepis	Slow	Medium
Oak - Interior Live	Quercus	wislizeni	Slow	Medium
Oak - Pin	Quercus	palustris	Medium	Medium
Orchid	Bauhinia	spp	Medium	Medium
Other	Misc	spp	Medium	Medium
Other - Fast Growing	Misc	spp	Fast	Medium
Other - Medium Growing	Misc	spp	Medium	Medium
Palo Verde	Parkinsonia	spp	Medium	Medium
Pecan	Carya	illinoensis	Fast	Medium
Pine - Bishop	Pinus	muricata	Slow	Medium
Pine - Italian Stone	Pinus	pinea	Slow	Medium
Pine - Ponderosa	Pinus	ponderosa	Slow	Medium
Pistache	Pistacia	chinensis	Medium	Medium
Podocarpus	Podocarpus	spp	Medium	Medium
Rubber	Ficus	elastica	Medium	Medium
Sequoia - Coast Redwood	Sequoia	sempervirens	Slow	Medium
Silk Floss	Ceiba	speciosa	Medium	Medium
Silk Oak	Grevillea	robusta	Fast	Medium

SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03	 <b>SOUTHERN CALIFORNIA EDISON®</b> Energy for What's Ahead™
				Version	6	
Effective Date		4/1/24				
Supersedes		Version 5				
<b>Distribution Vegetation Management Plan (DVMP)</b>						

Common Name	Genus	species	Growth Rate	Risk Rating
Sumac	Rhus	spp	Medium	Medium
Tallow	Triadica	spp	Medium	Medium
Tulip	Liriodendron	tulipifera	Medium	Medium
Walnut	Juglans	spp	Fast	Medium
Walnut - Black	Juglans	californica	Fast	Medium
Walnut - English	Juglans	regia	Fast	Medium
Willow - Australian	Geijera	parviflora	Medium	Medium
Zelkova	Zelkova	serrat	Medium	Medium
Almond	Prunus	amygdalus	Medium	Low
Apple	Malus	domestica	Medium	Low
Beech	Fagus	spp	Slow	Low
Birch	Betula	spp	Slow	Low
Bird of Paradise	Strelitzia	spp	Medium	Low
Bottlebrush	Callistemon	citrinus	Medium	Low
Brisbane Box	Lophostemon	confertus	Medium	Low
Brush	Misc	spp	Slow	Low
Brush - Fast	Misc	spp	Fast	Low
Buckeye	Aesculus	californica	Slow	Low
Ceanothus	Ceanothus	spp	Slow	Low
Chestnut	Castanea	seguinii	Medium	Low
Citrus	Citrus	spp	Medium	Low
Cypress	Cupressus	spp	Slow	Low
Cypress - Italian	Cupressus	sempervirens	Slow	Low
Cypress - Monterey	Cupressus	macrocarpa	Slow	Low
Dogwood-Pacific	Cornus	nuttallii	Slow	Low
Elderberry	Sambucus	spp	Medium	Low
Eugenia	Syzygium	paniculatum	Medium	Low
Fir	Abies	spp	Slow	Low
Fir - Douglas	Pseudotsuga	menziesii	Slow	Low
Fir - Grand	Abies	grandis	Slow	Low
Fir - Red	Abies	magnifica	Slow	Low
Fruit Tree	Misc	spp	Medium	Low
Ginkgo - Maidenhair	Ginkgo	biloba	Medium	Low
Hawthorn	Crataegus	spp	Slow	Low
Hemlock	Tsuga	spp	Slow	Low
Hemlock - Western	Tsuga	heterophylla	Slow	Low
Hickory	Carya	spp	Medium	Low
Joshua	Yucca	brevifolia	Slow	Low
Juniper	Juniperus	spp	Slow	Low

SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03	 <div>SOUTHERN CALIFORNIA <b>EDISON</b><sup>®</sup> Energy for What's Ahead<sup>SM</sup></div>
				Version	6	
Effective Date		4/1/24				
Supersedes		Version 5				
<b>Distribution Vegetation Management Plan (DVMP)</b>						

Common Name	Genus	species	Growth Rate	Risk Rating
Linden	Tilia	spp	Slow	Low
Loquat	Eriobotrya	japonica	Slow	Low
Macadamia	Macadamia	tetraphylla	Medium	Low
Madrone	Arbutus	meniesii	Slow	Low
Magnolia - Saucer	Magnolia	soulangeana	Slow	Low
Magnolia - Star	Magnolia	stellata	Slow	Low
Mesquite	Prosopis	glandulosa	Medium	Low
Myoporum	Myoporum	laetum	Slow	Low
Myrtle - Crape	Lagerstroemia	Indica	Slow	Low
Myrtle - Pacific Wax	Myrica	cerifera	Slow	Low
New Zealand Christmas Tree	Metrosideros	excelsa	Slow	Low
Oak	Quercus	spp	Slow	Low
Oak - Blue	Quercus	douglasii	Slow	Low
Oak - Coast Live	Quercus	agrifolia	Slow	Low
Oak - Cork	Quercus	suber	Slow	Low
Oak - English	Quercus	robur	Slow	Low
Oak - Holly	Quercus	ilex	Slow	Low
Oak - Northern Red	Quercus	rubra	Slow	Low
Oak - Oracle	Quercus	x morehus	Slow	Low
Oak - Oregon White	Quercus	garryana	Slow	Low
Oak - Scrub	Quercus	dumosa	Slow	Low
Oleander	Nerium	oleander	Slow	Low
Olive	Olea	europaea	Medium	Low
Other - Slow Growing	Misc	spp	Slow	Low
Peach	Prunus	persica	Medium	Low
Pear	Pyrus	calleryana	Medium	Low
Pear - Evergreen	Pyrus	kawakamii	Medium	Low
Persimmon	Diospyros	texana	Slow	Low
Photinia	Photinia	fraseri	Slow	Low
Pine	Pinus	spp	Slow	Low
Pine - Aleppo	Pinus	halepensis	Slow	Low
Pine - Jeffery	Pinus	jeffreyi	Slow	Low
Pine - Knobcone	Pinus	attenuata	Slow	Low
Pine - Monterey	Pinus	radiata	Slow	Low
Pine - Sugar	Pinus	lambertiana	Slow	Low
Pine - Western white	Pinus	monticola	Slow	Low
Pine - Whitebark	Pinus	albicaulis	Slow	Low
Pistachio	Pistacia	vera	Slow	Low
Pittosporum	Pittosporum	undulatum	Slow	Low

SCE	Legal, Regulatory, and Compliance	Transmission & Distribution Utility Vegetation Management Program	Methodology	Doc. No.	UVM-03	 <b>SOUTHERN CALIFORNIA EDISON®</b> Energy for What's Ahead™
				Version	6	
Effective Date		4/1/24				
Supersedes		Version 5				
<b>Distribution Vegetation Management Plan (DVMP)</b>						

Common Name	Genus	species	Growth Rate	Risk Rating
Plum	Prunus	domestica	Medium	Low
Pomegranate	Punica	granatum	Slow	Low
Privet	Ligustrum	japonicum	Slow	Low
Redbud - Eastern	Cercis	canadensis	Slow	Low
Redbud - Western	Cercis	occidentalis	Slow	Low
Redwood - Dawn	Metasequoia	glyptostrobooides	Slow	Low
Sequoia - Giant	Sequoiadendron	giganteum	Slow	Low
Spruce	Picea	spp	Slow	Low
Spruce - Blue	Picea	pungens	Slow	Low
Toyon	Heteromeles	arbutifolia	Slow	Low